



KLS ECONOMIC GEOLOGY LITERATURE SERVICE

Precious and Base Metals

July 2016

Highlights

M1607-015	Dmitriy I. Belakovskiy, Fernando Cámara, Olivier C. Gagne, and Yulia Uvarova	"New Mineral Names"	American Mineralogist
M1607-021	Gus Gunn	"Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "The future availability of critical metals: facts, fiction and fixes""	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B
M1607-049	R. J. Chapman, J. K. Mortensen	"Characterization of Gold Mineralization in the Northern Cariboo Gold District, British Columbia, Canada, Through Integration of Compositional Studies of Lode and Detrital Gold with Historical Placer Production: A Template for Evaluation of Orogenic Gold Districts"	Economic Geology
M1607-059	Russell A. Carter	"Oyu Tolgoi to restart underground development"	E&MJ: Engineering and Mining Journal
M1607-092	F. P. Bierlein, S. McKeag, N. Reynolds, C. J. Bargmann et al	"The Jebel Ohier deposit—a newly discovered porphyry copper–gold system in the Neoproterozoic Arabian–Nubian Shield, Red Sea Hills, NE Sudan"	Mineralium Deposita
M1607-129	Mohammad Reza Ghodsi, Mohammad Boomeri, Sasan Bagheri et al	"Metallogeny and Mineralization Potential of the Bazman Granitoids, SE Iran"	Resource Geology

Best regards,

The KLS Economic Geology Literature Service is dedicated to **advancing research driven mineral exploration** by increasing the **awareness** and **availability** of scientific publications and technical resources. It facilitates **communication** and **collaboration** between industry professionals and academia in the search for **world class discoveries**.

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COMMODITY 'QUICK-LOOK' SYMBOLS

Commodity	Symbol
Gold	Au
Copper	Cu
Silver / Zinc / Lead	Ag, Zn, Pb
Tin	Sn
Nickel / Chromium / Cobalt	Ni, Cr, Co
Iron / Iron Oxide / Manganese	Fe, Fe-Ox, Mn
Platinum Group Elements	PGE
U, Niobium, Rare Earth Elements	U, Nb, REE
Titanium / Zirconium	Ti, Zr
Polymetallic/base metals (Fe,Ni,Pb,Zn)	poly/base
Iron-Oxide-Copper-Gold	IOCG
Molybdenum	Mo
Tungsten	W
Diamonds	diam
Gemstones	gem

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NEW SCIENTIFIC LITERATURE (BY Source)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
Sn	M1607-001	Xianwu Bi, Ruizhong Hu, Guosheng Cai, Youwei Chen	2016	Tin partition behavior and implications for the Furong tin ore formation associated with peralkaline intrusive granite in Hunan Province, China	Acta Geochimica , Volume 35, Issue 2, June 2016, 138-147	Asia China Hunan	Tin Partition Peralkaline granite Hunan Province
Pb– Zn– (Ag)	M1607-002	Minfang Wang, Xubo Zhang, Daohui Pi, Xiaonan Guo	2016	Zircon U–Pb dating of Pubei granite and strontium isotope from sphalerite of the Xinhua Pb–Zn–(Ag) deposit, Yunkai Area of Guangxi Province, South China	Acta Geochimica , Volume 35, Issue 2, June 2016, 156-171	Asia China South	Zircon U–Pb Strontium isotope Xinhua Pb–Zn– (Ag) deposit Yunkai Area South China
	M1607-003	Ya-Jun Xu, Peter A. Cawood and Yuan-Sheng Du	2016	Intraplate orogenesis in response to Gondwana assembly: Kwangsian Orogeny, South China	American Journal of Science , April 2016; 316 (4), 329-362	Asia China	Intraplate Kwangsian Orogeny South China Kuungan Orogeny Assembly of Gondwana
	M1607-004	Andrej Spiridonov, Antanas Brazauskas and Sigita Radzevičius	2016	Dynamics of abundance of the mid- to late Pridoli conodonts from the eastern part of the Silurian Baltic basin: Multifractals, state shifts, and oscillations	American Journal of Science , April 2016; 316 (4), 363-400	Europe Eastern	Conodont paleoecology macroecology multifractal dynamics hierarchical causality Milankovitch cycles state shifts chaos Silurian geobiology
	M1607-005	Robert M. Hazen1 and Jesse H. Ausubel	2016	On the nature and significance of rarity in mineralogy	American Mineralogist , Volume 101, 1245–1251	Global	Phase equilibria, ephemeral minerals, philosophy of mineralogy, biological rarity, mineral ecology, Invited Centennial article
	M1607-006	Youxue Zhang and Zhengjiu Xu	2016	Zircon saturation and Zr diffusion in rhyolitic melts, and zircon growth geospeedometer	American Mineralogist , Volume 101, 1252-1267	Global	Zirconium diffusion, Zr diffusivity, zircon solubility, zircon growth, zircon geospeedometer, cooling rate, Bishop Tuff, Invited Centennial article
	M1607-007	Carol D. Frost, B. Ronald Frost, and	2016	On silica-rich granitoids and their eruptive equivalents	American Mineralogist , Volume 101, 1268-1284	Global	Granite, rhyolite, geochemistry, trondhjemite, leucogranite,

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		James S. Beard					petrogenesis, Invited Centennial article, Review article
	M1607-008	Ru Y. Zhang, Jing-Sui Yang, W.G. Ernst, Bor-Ming Jahn, Yoshiyuki Iizuka, and Guo-Lin Guo	2016	Discovery of in situ super-reducing, ultrahigh-pressure phases in the Luobusa ophiolitic chromitites, Tibet: New insights into the deep upper mantle and mantle transition zone	American Mineralogist , Volume 101, 1285–1294	Asia Tibet	Ophiolitic chromitite, in situ, super-reducing UHP phases, deep upper mantle, mantle transition zone, Tibet, moissanite, wüstite, Invited Centennial article
IOC G-U- Ag	M1607-009	Edeltraud Macmillan, Nigel J. Cook, Kathy Ehrig, Cristiana L. Ciobanu, and Allan Pring	2016	Uraninite from the Olympic Dam IOCG-U-Ag deposit: Linking textural and compositional variation to temporal evolution	American Mineralogist , Volume 101, 1295–1320	Oceania Australia East	Uranium, uraninite, Olympic Dam, IOCG deposits
Ni	M1607-010	Vadim S. Kamenetsky, Alexey V. Lygin, Jeff G. Foster, Sebastien Meffre, et al.	2016	A story of olivine from the McIvor Hill complex (Tasmania, Australia): Clues to the origin of the Avebury metasomatic Ni sulfide deposit	American Mineralogist , Volume 101, 1321-1331	Oceania Australia Tasmania	Ni sulfide deposits, peridotites, serpentinization, olivine, granite, metasomatism, geochronology
Mn	M1607-011	Raymond E. Arvidson, Steven W. Squyres, Richard V. Morris, Andrew H. Knoll, Ralf Gellert, et al.	2016	High concentrations of manganese and sulfur in deposits on Murray Ridge, Endeavour Crater, Mars	American Mineralogist , Volume 101, 1389-1405	Outer Space Mars	Mars, geochemistry, mineralogy, manganese oxides, sulfates
	M1607-012	Jonathan R. Pickles, Jonathan D. Blundy, and Richard A. Brooker	2016	Trace element thermometry of garnet-clinopyroxene pairs	American Mineralogist , Volume 101, 1438-1450	Global	Lattice strain model, geothermometer, garnet, clinopyroxene, eclogite, experimental petrology, REE
Ni	M1607-013	Cristina Villanova-de-Benavent, Fernando	2016	Ni-phylosilicates (garnierites) from the Falcondo Ni-laterite deposit (Dominican Republic): Mineralogy, nanotextures,	American Mineralogist , Volume 101, 1460-1473	North America Dominican Republic	Ni-laterites, garnierites, chrysotile, polygonal serpentine,

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Nieto, Cecilia Viti et al.		and formation mechanisms by HRTEM and AEM			lizardite, "kerolite"- "pimelite", sepiolite-falcondoite, HRTEM
Cu	M1607-014	Peng Ni and Youxue Zhang	2016	Cu diffusion in a basaltic melt	American Mineralogist , Volume 101, 1474-1482	Global	Copper diffusivity, kinetics, kinetic fractionation, copper isotope fractionation
	M1607-015	Dmitriy I. Belakovskiy, Fernando Cámara, Olivier C. Gagne, and Yulia Uvarova	2016	New Mineral Names	American Mineralogist , Volume 101, 1489-1497	Global	new minerals
Au	M1607-016	A. J. D'Angelico, G. R. T. Jenkin & D. James	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Orogenic gold mineralisation in northwest Iberia, Portugal: role of meta-sediment source as a co	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 73-74	Europe Portugal Iberia	Orogenic gold, mineralisation, northwest Iberia, Portugal, meta-sediment source, geochemistry, mineralogy
Zn-Pb	M1607-017	J. H. Ashton, R. J. Blakeman, J. F. Geraghty, B. O'Donovan, A. Beach, D. Coller, et al	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "The Giant Navan carbonate-hosted Zn–Pb deposit: exploration and geology: 1970–2015"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 75-76	Europe Ireland Navan	Giant Navan, carbonate-hosted, Zn–Pb, exploration, geology
	M1607-018	Harald G. Dill	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Heavy minerals from ore guide to the deposit"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 80-81	Global	Heavy minerals, ore guide
	M1607-019	Adeline Dutrieux, Anna Lichtschlag & Bramley	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125,	Global	seafloor, massive sulphide deposits

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		Murton		College Dublin, Ireland: "What is the geological fate of the seafloor massive sulphide deposits?"	Issue 2, 2016, 82		
	M1607-020	Nicholas J. Gardiner, Laurence J. Robb, Christopher K. Morley, Michael P. Searle, et al	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Myanmar: Tethyan tectonics and metallogeny"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 82-83	Asia SE Myanmar	Myanmar, Tethyan tectonics, metallogeny
	M1607-021	Gus Gunn	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "The future availability of critical metals: facts, fiction and fixes"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 83-84	Global	future availability, critical metals, facts, fiction, fixes
	M1607-022	Lisa Hart, Jamie Wilkinson, Robin Armstrong & Debora Araujo	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Element mobility during propylitic alteration in porphyry ore systems: a case study of the Oyu T	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 84	Asia Mongolia	propylitic alteration, porphyry ore systems, Oyu Tolgoi deposits, Mongolia
Cu- Au	M1607-023	Adam Pacey, Jamie J. Wilkinson, Adrian J. Boyce & David R. Cooke	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Propylitic alteration and metal mobility in porphyry systems: a case study of the Northparkes Cu	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 93	Oceania Australia NSW	Propylitic alteration, metal mobility, porphyry systems, case study, Northparkes, Cu-Au, Australia"
Au	M1607-024	Warren Pratt	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "A classification of styles of orogenic (shear zone) gold mineralisation, with examples from Scan	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 94	Europe Scandinavia	classification, orogenic, shear zone, gold mineralisation, Scandinavia

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
	M1607-025	Jamie J. Wilkinson, Zhaoshan Chang, David R. Cooke, Michael J. Baker, Clara C. Wilkinson, Shaun Inglis & J. Bruce Gemmell	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Chlorite chemistry as a new exploration tool in the propylitic halo of porphyry-epithermal systems"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B , Volume 125, Issue 2, 2016, 98-99	Asia SE Indonesia	Chlorite chemistry, exploration, tool, propylitic, porphyry-epithermal systems, Batu Hijau, porphyry, Cu-Au system, Indonesia
	M1607-026	Steve Rose and Gerry Fahey	2016	An overview of the modern mine geologists' role, and a discussion of professional best practice and pitfalls to avoid	AusIMM Bulletin , Jun 2016, n/a	Global	modern mine, geologists, professional best practice, pitfalls to avoid
	M1607-027	Dr Nicholas J Gardiner, Curtin Node, John P Sykes	2016	Is Myanmar about to experience an exploration boom?	AusIMM Bulletin , Jun 2016, n/a	Asia SE Myanmar	Myanmar, exploration, boom
	M1607-028	T. P. Mernagh, E. N. Bastrakov, S. Jaireth, P. de Caritat, P. M. English & J. D. A. Clarke	2016	A review of Australian salt lakes and associated mineral systems	Australian Journal of Earth Sciences , Volume 63, Issue 2, 2016, 131-157	Oceania Australia	Australian salt lakes, groundwater, paleovalleys, mineral systems, potash, lithium, boron
	M1607-029	J. D. Clemensa & M. A. Elburg	2016	Possible spatial variability in the Selwyn Block of Central Victoria: evidence from Late Devonian felsic igneous rocks	Australian Journal of Earth Sciences , Volume 63, Issue 2, 2016, 187-192	Oceania Australia Central Victoria	Lachlan Orogen, Melbourne Zone, Central Victoria, Selwyn Block, granites, felsic volcanic rocks
Fe	M1607-030	Youri Hamon, Remy Deschamps, Philippe Joseph, Daniel Garcia, Emmanuelle Chanvry	2016	New insight of sedimentological and geochemical characterization of siliciclastic-carbonate deposits (Alveolina Limestone Formation, Graus-Tremp basin, Spain)	Bulletin de la Société Géologique de France , May 2016 187 (3), n/a	Europe Spain	Mixed facies, Isotopes, Elemental geochemistry, Exposure, Sequence stratigraphy, Ilerrdian
	M1607-031	Okland, J.K. Gravdal, H. Dahle, A.K.S Kvassnes	2016	S1.3 Mining and the environment: Towards socially and environmentally acceptable: Mobilization of	Bulletin of The Geological Society of Finland , Special Volume 1, 2016,	Europe Norway	heavy metals, submarine, mine tailings, Norway

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		and I.H. Thorseth		heavy metals in submarine mine tailings	Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 84		
REE	M1607-032	J. Yang	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Studies on Mineralogy and Beneficiation of REE Ores	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 107	Global	Mineralogy, REE
	M1607-033	E. Jonsson ¹ , M. Sadeghi, K. Högdahl, P.Nysten, T. Bergman, J. Söderhielm and N.Arvanitidis	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: REE mineralisation in Sweden: 222 years of discovery?	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 108	Europe Sweden	REE, mineralisation, Sweden
	M1607-034	H. Wilts, N. Gries, S. Steger, E. Petavratzi, T. Brown and J. Pokki	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Quantifying the resource potential of selected end-of life products for five critical metals	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 109	Europe	critical metals
	M1607-035	K. Högdahl, E. Jonsson and A. Kritikos	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Critical metals in the mines and dumps of W Bergslagen, Sweden	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 110	Europe Sweden	critical metals, Sweden
Au	M1607-036	T. Fusswinkel, T. Wagner and G. Sakellaris	2016	S2.2 Fluid and melt processes in the Earth: Fluid inclusion LA-ICPMS analysis of ore fluids from the Pampalo orogenic gold deposit, Eastern Finland	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 117	Europe Finland	Fluid inclusion, LA-ICPMS, orogenic gold deposit, Eastern Finland
Au	M1607-037	V. Y. Prokofiev, D.	2016	S2.2 Fluid and melt processes in the Earth: Au-	Bulletin of The Geological Society of	Asia Russia	Au-rich fluid inclusions, gold-

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		A. Banks, K. V. Lobanov, M. V. Chicherov, and N. N. Akinfiev		rich fluid inclusions in gold-bearing quartz from the Kola superdeep borehole (SG-3)	Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 117		bearing quartz, Kola, borehole
	M1607-038	P. Sarala and A. Taivalkoski	2016	S2.3 Geochemical and geophysical exploration methods: Ultra low-impact geochemical method for greenfield exploration using snow	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 120	Europe Finland	Ultra low-impact, geochemical method, greenfield exploration, snow
Au	M1607-039	N.D.J. Cook	2016	S2.4 Precambrian metallogeny: Palokas Prospect: An Exciting new Gold Discovery in the Peräpohja Schist Belt, Finland	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 124	Europe Finland	new, Gold Discovery, Peräpohja Schist Belt, Finland
Cu-Au	M1607-040	J. Jäsberg, V. J. Ojala and P. Eilu	2016	S2.4 Precambrian metallogeny: Palokas Prospect: Phyllic alteration-related Cu-Au mineralisation at Raitevarri, Norway	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 131	Europe Norway	Phyllic alteration, Cu-Au mineralisation, Raitevarri, Norway
	M1607-041	P. Sarala, S. Tervonen and A.-L. Tolonen	2016	S3.2 Higher education in geosciences: Experiences, practices and development: GTK Academy for the maintenance of high-grade professional geological survey	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 143	Europe Finland	Experiences, practices and development: GTK Academy, maintenance, high-grade professional, geological survey
Ni-Cu-PGE	M1607-042	E. Hanski	2016	S10.4 Mafic-ultramafic intrusions and related ore deposits: Petrology and origin: Mafic-ultramafic intrusions and related Ni-Cu-PGE deposits in the northern part of the Fennoscandian Shield	Bulletin of The Geological Society of Finland , Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 221	Europe Finland	Mafic-ultramafic intrusions, Ni-Cu-PGE, Fennoscandian Shield

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
	M1607-043	D'Arcy Jenish	2016	MOON MINING It's closer than ever thanks to a small Canadian company	Canadian Mining Journal , June 1, 2016, n/a	Outer Space Moon	moon, mining, Canada
Au	M1607-044	Georges Beaudoin, Massimo Chiaradia	2016	Fluid mixing in orogenic gold deposits: Evidence from the H-O-Sr isotope composition of the Val-d'Or vein field (Abitibi, Canada)	Chemical Geology , Volume 437, Pages 1-182 (25 October 2016), 7-18	North America Canada Abitibi	H-O-Sr isotope composition, Val-d'Or vein, Abitibi, Canada
Mn	M1607-045	Changxun Yu, Joonas J. Virtasalo, Peter Österholm, Edward D. Burton, Pasi Peltola, Antti E.K. Ojala, Johan K. Hogmalm, Mats E. Åström	2016	Manganese accumulation and solid-phase speciation in a 3.5 m thick mud sequence from the estuary of an acidic and Mn-rich creek, northern Baltic Sea	Chemical Geology , Volume 437, Pages 1-182 (25 October 2016), 56-66	Europe Baltic Sea	solid-phase speciation, estuary, Mn, Baltic Sea
	M1607-046	Yao-Yi Chiang, Stefan Leyk, Narges Honarvar Nazari, Sima Moghaddam, Tian Xiang Tan	2016	Assessing the impact of graphical quality on automatic text recognition in digital maps	Computers & Geosciences , Volume 93, Pages 1-150 (August 2016), 21-35	Global	impact, graphical quality, automatic text recognition, digital maps
Cu	M1607-047	Vladimir Matjuschkin, Jon D. Blundy et al	2016	The effect of pressure on sulphur speciation in mid- to deep-crustal arc magmas and implications for the formation of porphyry copper deposits	Contributions to Mineralogy and Petrology , Volume 171, Issue 7, July 2016, n/a	Global	Sulphur solubility and speciation Oxygen fugacity Phase relations Hydrous magma Porphyry copper deposit
Au	M1607-048	Daniel D. Gregory, Ross R. Large, Adam B. Bath, Jeffrey A. Steadman, Selina Wu, Leonid Danyushevsky, Stuart W. Bull, Peter Holden, Trevor R. Ireland	2016	Trace Element Content of Pyrite from the Kapai Slate, St. Ives Gold District, Western Australia	Economic Geology , September 2016; 111 (6), 1297-1320	Oceania Australia West	Trace Element, Pyrite, Kapai Slate, St. Ives Gold District, Western Australia

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Au	M1607-049	R. J. Chapman, J. K. Mortensen	2016	Characterization of Gold Mineralization in the Northern Cariboo Gold District, British Columbia, Canada, Through Integration of Compositional Studies of Lode and Detrital Gold with Historical Placer Production: A Template for Evaluation of Orogenic Gold D	Economic Geology , September 2016; 111 (6), 1321-1345	North America Canada BC	Gold Mineralization, Northern Cariboo Gold District, British Columbia, Canada, Lode Gold, Detrital Gold, Orogenic Gold Districts
Cu	M1607-050	Hui-juan Peng, Jing-wen Mao, Lin Hou, Qi-hai Shu, Chang-qing Zhang, Huan Liu, Yun-man Zhou	2016	Stable Isotope and Fluid Inclusion Constraints on the Source and Evolution of Ore Fluids in the Hongniu-Hongshan Cu Skarn Deposit, Yunnan Province, China	Economic Geology , September 2016; 111 (6), 1369-1396	Asia China Yunnan	Stable Isotope, Fluid Inclusion, Evolution, Ore Fluids, Hongniu-Hongshan Cu Skarn Deposit, Yunnan Province, China
Cu	M1607-051	Farhad Bouzari, Craig J.R. Hart, Thomas Bissig, Shaun Barker	2016	Hydrothermal Alteration Revealed by Apatite Luminescence and Chemistry: A Potential Indicator Mineral for Exploring Covered Porphyry Copper Deposits	Economic Geology , September 2016; 111 (6), 1397-1410	Global	Hydrothermal Alteration, Apatite Luminescence, Chemistry, Indicator Mineral, Exploring, Covered Porphyry Copper Deposits
Ni-Cu	M1607-052	Shengchao Xue, Kezhang Qin, Chusi Li, Dongmei Tang, Yajing Mao, Liang Qi, Edward M. Ripley	2016	Geochronological, Petrological, and Geochemical Constraints on Ni-Cu Sulfide Mineralization in the Poyi Ultramafic-Troctolitic Intrusion in the Northeast Rim of the Tarim Craton, Western China	Economic Geology , September 2016; 111 (6), 1465-1484	Asia China West	Geochronological, Petrological, Geochemical Constraints, Ni-Cu Sulfide Mineralization, Poyi Ultramafic-Troctolitic Intrusion, Tarim Craton, Western China
Au	M1607-053	Jeremiah Shuster, Maggy Lengke, María Florencia Márquez-Zavalía, Gordon Southam	2016	Floating Gold Grains and Nanophase Particles Produced from the Biogeochemical Weathering of a Gold-Bearing Ore	Economic Geology , September 2016; 111 (6), 1485-1494	Global	Floating Gold Grains, Nanophase Particles, Biogeochemical Weathering, Gold-Bearing Ore
Au	M1607-054	Jean-Luc Pilote, Stephen J. Piercey,	2016	Resolving the Relative Timing of Au Enrichment in Volcanogenic Massive Sulfide Deposits Using	Economic Geology , September 2016; 111 (6), 1495-1508	North America Canada New Foundland	Au Enrichment, Volcanogenic Massive Sulfide Deposits, Scanning

NEW SCIENTIFIC LITERATURE (BY Source)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Stefanie M. Brueckner, David Grant		Scanning Electron Microscopy-Mineral Liberation Analyzer: Empirical Evidence from the Ming Deposit, Newfoundland, Canada			Electron Microscopy-Mineral Liberation Analyzer, Empirical Evidence, Ming Deposit, Newfoundland, Canada
Ni	M1607-055	Stephen J. Barnes, Steve W. Beresford, Margaux Le Vaillant	2016	Interspinifex Ni Sulfide Ore from the Coronet Shoot, Kambalda: Characterization Using Microbeam X-Ray Fluorescence Mapping and 3-D X-Ray Computed Tomography	Economic Geology , September 2016; 111 (6), 1509-1517	Global	Interspinifex Ni Sulfide Ore, Coronet Shoot, Kambalda, Microbeam X-Ray Fluorescence Mapping, 3-D X-Ray Computed Tomography
	M1607-056	Robert Moritz	2016	The Economic Geology of Iran: Mineral Deposits and Natural Resources (M. Ghorbani)	Economic Geology , September 2016; 111 (6), 1519-1519	Asia Iran	Economic Geology, Iran, Mineral Deposits, Natural Resources
Au	M1607-057	Christopher J. L. Wilson	2016	The Metallogeny of Lode Gold Deposits: A Syngenetic Perspective (U. Kretschmar and D. McBride)	Economic Geology , September 2016; 111 (6), 1520-1521	Global	Metallogeny, Lode Gold Deposits, Syngenetic Perspective
	M1607-058	Russell A. Carter	2016	Can technology advances relieve some of the economic pressure that's stifling greenfield mine development?	E&MJ: Engineering and Mining Journal , June 2016, Vol 217, Number 6, 66-68	Global	technology advances, greenfield mine development
Cu, Au	M1607-059	Russell A. Carter	2016	Oyu Tolgoi to restart underground development	E&MJ: Engineering and Mining Journal , June 2016, Vol 217, Number 6, 4-5	Asia Mongolia	Oyu Tolgoi, underground development, Au, Cu
Au	M1607-060	Russell A. Carter	2016	Looming Lawsuit threatens South African gold industry	E&MJ: Engineering and Mining Journal , June 2016, Vol 217, Number 6, 5	Africa South Africa	Lawsuit, threat, South African gold industry
Au	M1607-061	Rodney F. Tucker, Richard P. Viljoen and Morris J. Viljoen	2016	A Review of the Witwatersrand Basin - The World's Greatest Goldfield	Episodes , Vol. 39, no. 2, 105-133	Africa South Africa	Witwatersrand Basin World Greatest Goldfield
Au	M1607-062	J. Henckel, K. H. Poulsen, T. Sharp, P. Spora	2016	Lake Victoria Goldfields	Episodes , Vol. 39, no. 2, 135-154	Africa East	Lake Victoria Goldfields

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
Au	M1607-063	M. Robertson, L. Peters	2016	West African Goldfields	Episodes , Vol. 39, no. 2, 155-176	Africa West	West African Goldfields
Au	M1607-064	Albertus J. B. Smith, George Henry, Susan Frost-Killian	2016	A Review of the Birimian Supergroup-and Tarkwaian Group-Hosted Gold Deposits of Ghana	Episodes , Vol. 39, no. 2, 177-197	Africa Ghana	Birimian Supergroup Tarkwaian Group-Hosted Gold Deposits Ghana
PGE	M1607-065	Morris Viljoen	2016	The Bushveld Complex	Episodes , Vol. 39, no. 2, 239-268	Africa South Africa	Bushveld Complex
Mn	M1607-066	Nicolas J. Beukes, Edward P.W. Swindell, Herve Wabo	2016	Manganese Deposits of Africa	Episodes , Vol. 39, no. 2, 285-317	Africa	Manganese Deposits of Africa
Ni	M1607-067	D. M. Evans, J. P. P. M. Hunt, J. R. Simmonds	2016	An Overview of Nickel Mineralisation in Africa with Emphasis on the Mesoproterozoic East African Nickel Belt (EANB)	Episodes , Vol. 39, no. 2, 319-333	Africa East	An Overview of Nickel Mineralisation in Africa with Emphasis on the Mesoproterozoic East African Nickel Belt (EANB)
REE	M1607-068	R. E. Harmer, P. A. M. Nex	2016	Rare Earth Deposits of Africa	Episodes , Vol. 39, no. 2, 381-406	Africa	Rare Earth Deposits of Africa
	M1607-069	G. Yu. Shardakova	2016	Geochemistry and isotopic ages of granitoids of the Bashkirian Mega-Anticlinorium: Evidence for several pulses of tectono-magmatic activity at the junction zone between the Uralian orogen and East European Platform	Geochemistry International , July 2016, Volume 54, Issue 7, 594-608	Europe East	Geochemistry isotopic ages granitoids Bashkirian Mega-Anticlinorium tectono-magmatic Uralian orogen East European Platform
	M1607-070	Alice A. Davies, William F. Perkins, Rob J. Bowell	2016	Geochemical assessment of mine waste cover performance post reclamation at Parc mine, North Wales	Geochemistry: Exploration, Environment, Analysis , May 2016; 16 (2), 127-136	Europe UK Wales	Geochemical assessment mine waste post reclamation Parc mine North Wales
REE	M1607-071	Paweł Brański, Stanisław Zbigniew Mikulski	2016	Rare earth elements distribution in fine-grained deposits from the uppermost Triassic and Lower Jurassic of the Polish	Geological Quarterly , Vol 60, No 2, 441-450	Europe Poland	

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				Basin: provenance and weathering of source area			
REE	M1607-072	Pawel Kwecko	2016	Rare earth elements (REE) and thorium in the youngest Pleistocene glacial tills in Poland	Geological Quarterly , Vol 60, No 2, 451-460	Europe Poland	Rare earth elements thorium Pleistocene glacial tills Poland
	M1607-073	N. S. Bortnikov, A. V. Volkov, A. L. Galyamov, et al	2016	Mineral resources of high-tech metals in Russia: State of the art and outlook	Geology of Ore Deposits , Volume 58, Issue 2, March 2016, 83-103	Asia Russia	Mineral resources high-tech metals Russia
Au	M1607-074	A. V. Lalomov, S. E. Tabolich, R. M. Chefranov	2016	Advanced geological modeling of coastal-marine cassiterite placers based on data on deposits in Russia's Eastern Arctic Region	Geology of Ore Deposits , Volume 58, Issue 2, March 2016, 104-115	Asia Russia Eastern Arctic Region	Advanced geological modeling coastal-marine cassiterite placers Russia Eastern Arctic Region
Au	M1607-075	K. R. Kovalev, O. N. Kuzmina, B. A. Dyachkov, A. G. Vladimirov	2016	Disseminated gold-sulfide mineralization at the Zhaima deposit, eastern Kazakhstan	Geology of Ore Deposits , Volume 58, Issue 2, March 2016, 116-133	Asia Kazakhstan	Disseminated gold-sulfide mineralization Zhaima Kazakhstan
Au	M1607-076	B. B. Damdinov, S. M. Zhmodik, P. A. Roshchektaev	2016	Composition and genesis of the Konevinsky gold deposit, Eastern Sayan, Russia	Geology of Ore Deposits , Volume 58, Issue 2, March 2016, 134-148	Asia Russia South	Composition Konevinsky gold deposit Eastern Sayan Russia
REE	M1607-077	V. I. Ivashchenko	2016	Main types of rare-metal mineralization in Karelia	Geology of Ore Deposits , Volume 58, Issue 2, March 2016, 166-171	Asia Russia West	rare-metal mineralization Karelia
	M1607-078	Xudong Wu, Yong Wang, Liu Bian, and Ji Shen	2016	Diagenetic effects on magnetic minerals in a Holocene lacustrine sediment core from Huguangyan maar lake, southeast China	Geophysical Journal International , Volume 206, Issue 3, 1586-1598	Asia China SE	Diagenetic effects magnetic minerals Holocene lacustrine sediment core Huguangyan maar lake southeast China
	M1607-079	Riyadh Al-Saad, Ralph Bridle	2016	Near-surface modeling challenges highlighted at SEG/DGS Near-Surface Modeling Workshop	The Leading Edge , July 2016; 35 (7), 620-621	Global	Near-surface modeling challenges SEG/DGS Near-Surface Modeling

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
							Workshop
	M1607-080	W. Jackaman and D.A. Sacco	2016	Reconnaissance Biogeochemical Survey Using Spruce-Tops in the West Road (Blackwater) River Area, Fraser Plateau, British Columbia	Geoscience BC , 2016-05, 8 pgs	North America Canada BC	Reconnaissance Biogeochemical Survey Spruce-Tops Blackwater River Area Fraser Plateau British Columbia
	M1607-081	K. Akbari, S. M. Tabatabaei Manesh, H. Safaei	2016	Tectonic setting and petrological evidence for the emplacement of mylonitic granites within the middle part of Sanandaj-Sirjan shear zone from East and South East of Chadegan, Iran	Geotectonics , May 2016, Volume 50, Issue 3, 313-326	Asia Iran Chadegan	mylonitic granites deformation transpressional faults Chadegan Sanandaj-Sirjan Zone
	M1607-082	Qie Qin, He Huang, Tao Wang, Ruiqing Guo, Zhaochong Zhang & Ying Tong	2016	Relationship of the Tarim Craton to the Central Asian Orogenic Belt: insights from Devonian intrusions in the northern margin of Tarim Craton, China	International Geology Review , Volume 58, Issue 16, 2016, 2007-2028	Asia China	Zircon U–Pb–Hf isotopes, South Tianshan, Tarim Craton, active continental margin
	M1607-083	Cong Wang, Xiao-Gan Cheng, Han-Lin Chen et al	2016	From folding to transpressional faulting: the Cenozoic Fusha structural belt in front of the Western Kunlun Orogen, northwestern Tibetan Plateau	International Journal of Earth Sciences , Volume 105, Issue 5, July 2016, 1621-1636	Asia Tibet	Western Kunlun Orogen Fusha structural belt Folding Transpressional faulting
	M1607-084	Songbai Xuan, Chongyang Shen, Hui Li, Hongbo Tan	2016	Structural interpretation of the Chuan-Dian block and surrounding regions using discrete wavelet transform	International Journal of Earth Sciences , Volume 105, Issue 5, July 2016, 1591-1602	Asia China	Bouguer gravity anomalies Discrete wavelet transform Crustal structure Moho relief Chuan-Dian block
Pb-Zn-Ba	M1607-085	Rabah Laouar, Sihem Salmi-Laouar, Lounis Sami et al	2016	Fluid inclusion and stable isotope studies of the Mesloulia Pb-Zn-Ba ore deposit, NE Algeria: Characteristics and origin of the mineralizing fluids	Journal of African Earth Sciences , Volume 121, Pages 1-386 (September 2016), 119-135	Africa Algeria NE	Fluid inclusion stable isotope Mesloulia Pb-Zn-Ba ore deposit NE Algeria mineralizing fluids
Mg	M1607-086	Liqiong Jia, Xuanxue Mo, M. Santosh, Zhusen Yang et al	2016	Early Cretaceous continental delamination in the Yangtze Block: Evidence from high-Mg adakitic intrusions along the Tanlu fault, central Eastern	Journal of Asian Earth Sciences , Volume 127, Pages 1-314 (1 September 2016), 152-169	Asia China East	Early Cretaceous continental delamination Yangtze Block high-Mg adakitic intrusions Tanlu

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				China			fault Eastern China
Mo	M1607-087	Huaying Wu, Lianchang Zhang, Franco Pirajno et al	2016	The Mesozoic Caosiyao giant porphyry Mo deposit in Inner Mongolia, North China and Paleo-Pacific subduction-related magmatism in the northern North China Craton	Journal of Asian Earth Sciences , Volume 127, Pages 1-314 (1 September 2016), 281-299	Asia China North	Mesozoic Caosiyao giant porphyry Mo deposit Inner Mongolia North China Paleo- Pacific subduction- related magmatism northern North China Craton
	M1607-088	Charlie Kirkwood, Mark Cave, David Beamish, Stephen Grebby et al	2016	A machine learning approach to geochemical mapping	Journal of Geochemical Exploration , Volume 167, Pages 1-110 (August 2016), 49-61	Global	machine learning geochemical mapping
Cu- Au	M1607-089	Laura Maydagán, Marta Franchini, Agnes Impiccini, David Lentz	2016	Phyllosilicates geochemistry and distribution in the Altar porphyry Cu-(Au) deposit, Andes Cordillera of San Juan, Argentina: Applications in exploration, geothermometry, and geometallurgy	Journal of Geochemical Exploration , Volume 167, Pages 1-110 (August 2016), 83-109	South America Argentina	Phyllosilicates geochemistry Altar porphyry Cu-(Au) deposit Andes Cordillera San Juan, Argentina exploration geothermometry geometallurgy
Au	M1607-090	Sivaji Lahiri, Manish A. Mamtani	2016	Scaling the 3-D Mohr circle and quantification of paleostress during fluid pressure fluctuation – Application to understand gold mineralization in quartz veins of Gadag (southern India)	Journal of Structural Geology , Volume 88, Pages 1-72 (July 2016), 63-72	Asia India South	Scaling 3-D Mohr circle paleostress fluid pressure fluctuation gold mineralization quartz veins Gadag
	M1607-091	Changyun Park, Yungoo Song, Donghoon Chung, Il-Mo Kang et al.	2016	Recrystallization and hydrothermal growth of high U–Th zircon in the Weondong deposit, Korea: Record of post-magmatic alteration	Lithos , Volume 260, Pages 1-474 (1 September 2016), 268-285	Asia South Korea	Recrystallization hydrothermal U–Th zircon Weondong Korea post- magmatic alteration
Cu- Au	M1607-092	F. P. Bierlein, S. McKeag, N. Reynolds, C. J. Bargmann et al	2016	The Jebel Ohier deposit—a newly discovered porphyry copper–gold system in the Neoproterozoic Arabian–Nubian Shield, Red Sea Hills, NE Sudan	Mineralium Deposita , Volume 51, Issue 6, August 2016, 713-724	Middle East Sudan NE	Porphyry Cu–Au – Neoproterozoic – Red Sea Hills – U–Pb age dating – Arabian–Nubian Shield
Au- Ag	M1607-093	Conrado Permuy	2016	The Marianas-San Marcos vein system: characteristics	Mineralium Deposita , Volume 51, Issue 6,	South America Argentina	Epithermal Quartz vein Jurassic

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Vidal, Diego M. Guido, Sebastián M. Jovic et al		of a shallow low sulfidation epithermal Au–Ag deposit in the Cerro Negro district, Deseado Massif, Patagonia, Argentina	August 2016, 725-748	Patagonia	Patagonia Argentina
Pb- Zn- Ba-F	M1607- 094	Salah Bouhlef, David L. Leach, Craig A. Johnson et al	2016	A salt diapir-related Mississippi Valley-type deposit: the Bou Jaber Pb- Zn-Ba-F deposit, Tunisia: fluid inclusion and isotope study	Mineralium Deposita , Volume 51, Issue 6, August 2016, 749-780	Africa Tunisia	Fluid inclusions Laser ablation ICP- MS C, O, S, Sr, Pb isotopes Diapir- related MVT Ba-F- Pb-Zn deposit Bou Jaber Tunisia
Au- Pd- Pt	M1607- 095	Gabriel V. Berni, Christoph A. Heinrich, Lydia M. Lobato et al	2016	Ore mineralogy of the Serra Pelada Au-Pd-Pt deposit, Carajás, Brazil and implications for ore-forming processes	Mineralium Deposita , Volume 51, Issue 6, August 2016, 781-795	South America Brazil Carajás	Ore mineralogy Serra Pelada Au- Pd-Pt Carajás, Brazil
	M1607- 096	M. Valkama, K. Sundblad, N. J. Cook, V. I. Ivashchenko	2016	Geochemistry and petrology of the indium-bearing polymetallic skarn ores at Pitkäranta, Ladoga Karelia, Russia	Mineralium Deposita , Volume 51, Issue 6, August 2016, 823-839	Asia Russia West	Pitkäranta – Polymetallic – Indium – Skarn – Ore – Rapakivi
Mn	M1607- 097	Aleksandar Pačevski, Vladica Cvetković, Kristina Šarić et al	2016	Manganese mineralization in andesites of Brestovačka Banja, Serbia: evidence of sea-floor exhalations in the Timok Magmatic Complex	Mineralogy and Petrology , Volume 110, Issue 4, August 2016, 491-502	Europe Serbia	Manganese mineralization andesites Brestovačka Banja Serbia sea-floor exhalations Timok Magmatic Complex
Zr	M1607- 098	Fırat Şengün, Thomas Zack	2016	Trace element composition of rutile and Zr-in-rutile thermometry in meta- ophiolitic rocks from the Kazdağ Massif, NW Turkey	Mineralogy and Petrology , Volume 110, Issue 4, August 2016, 547-560	Asia Turkey NW	Trace element rutile Zr thermometry meta- ophiolitic rocks Kazdağ Massif, NW Turkey
Au	M1607- 099	S. C. Dominy	2016	Importance of good sampling practice throughout the gold mine value chain	Mining Technology: Transactions of the Institutions of Mining and Metallurgy: Section A , Volume 125, Issue 3, 2016, 129-141	Global	Theory of sampling, Sampling errors, Gold sampling, Protocol optimisation, Financial losses
	M1607- 100	MW Sagar, JM Palin, AJ Tulloch & LA Heath	2016	The geology, geochronology and affiliation of the Glenroy Complex and adjacent plutonic rocks, southeast Nelson	New Zealand Journal of Geology and Geophysics , Volume 59, Issue 2, 2016, 213- 235	Oceania New Zealand South Island, N	Alpine Fault, Big Bend, Darran Suite, Davis Creek Paragneiss, Glenroy Complex, granulites, Median Batholith, Separation Point

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							Suite, Western Fiordland Orthogneiss, Woodham Orthogneiss
	M1607-101	M Bernet & K Bassett	2016	Quartz types of the Eocene Broken River Formation, Mount Somers, South Island, New Zealand	New Zealand Journal of Geology and Geophysics , Volume 59, Issue 2, 2016, 274-285	Oceania New Zealand South Island	Eyre Group, Mount Somers, New Zealand; provenance, quartz arenite, SEM-CL
	M1607-102	Anne Krippner Guido Meinhold Andrew C. Morton et al	2016	Heavy-mineral and garnet compositions of stream sediments and HP–UHP basement rocks from the Western Gneiss Region, SW Norway	Norwegian Journal of Geology , Volume 96 (9), 7-17	Europe Norway SW	Provenance Heavy minerals Garnet geochemistry Western Gneiss Region Norway
W– Mo– Cu– Pb– Zn	M1607-103	Li Xiaofeng, Huang Cheng, Wang Chunzeng, Wang Lifa	2016	Genesis of the Huangshaping W–Mo–Cu–Pb–Zn polymetallic deposit in Southeastern Hunan Province, China: Constraints from fluid inclusions, trace elements, and isotopes	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 1-25	Asia China Hunan	Huangshaping W–Mo–Cu–Pb–Zn polymetallic deposit Southeastern Hunan Province China fluid inclusions trace elements isotopes
	M1607-104	Nicholas J. Gardiner, Laurence J. Robb, Christopher K. Morley et al	2016	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 26-45	Asia Myanmar	tectonic metallogenic framework Myanmar Tethyan mineral system
Cu	M1607-105	Yin-Hong Wang, Fang-Fang Zhang, Jia-Jun Liu et al	2016	Genesis of the Fuxing porphyry Cu deposit in Eastern Tianshan, China: Evidence from fluid inclusions and C–H–O–S–Pb isotope systematics	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 46-61	Asia China Tianshan	Genesis Fuxing porphyry Cu deposit Eastern Tianshan China fluid inclusions C–H–O–S–Pb isotope systematics
Au	M1607-106	W.S. Ibrahim, K. Watanabe, K. Yonezu	2016	Structural and litho-tectonic controls on Neoproterozoic base metal sulfide and gold mineralization in North Hamisana shear zone, South Eastern Desert, Egypt: The integrated field, structural, Landsat 7 ETM + and ASTER data approach	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 62-77	Africa Egypt	Structural litho-tectonic Neoproterozoic base metal sulfide gold mineralization North Hamisana shear zone South Eastern Desert Egypt integrated field structural
REE	M1607-107	Namhoon Kim, Albert	2016	Post-collisional carbonatite-hosted rare earth element	Ore Geology Reviews , Volume 79, Pages 1-	Asia Korea	Post-collisional carbonatite-hosted

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Chang-sik Cheong, Keewook Yi et al		mineralization in the Hongcheon area, central Gyeonggi massif, Korea: Ion microprobe monazite U-Th-Pb geochronology and Nd-Sr isotope geochemistry	544 (December 2016), 78-87		rare earth element mineralization Hongcheon central Gyeonggi massif Korea Ion microprobe monazite U-Th-Pb geochronology Nd-Sr isotope geochemistry
Pb-Zn	M1607-108	Yu-Bo Ma, Leon Bagas, Shu-Wen Xing, Shou-Ting Zhang	2016	Genesis of the stratiform Zhenzigou Pb-Zn deposit in the North China Craton: Rb-Sr and C-O-S-Pb isotope constraints	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 88-104	Asia China North	Genesis stratiform Zhenzigou Pb-Zn deposit North China Craton Rb-Sr C-O-S-Pb isotope constraints
Ag-Au, Zn	M1607-109	Zhongwei Wu, Xiaoming Sun, Huifang Xu, et al	2016	Occurrences and distribution of “invisible” precious metals in sulfide deposits from the Edmond hydrothermal field, Central Indian Ridge	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 105-132	Asia Central Indian Ridge	precious metals sulfide deposits Edmond hydrothermal field Central Indian Ridge
Cu-Au	M1607-110	F.P. Bierlein, N. Reynolds, D. Arne, C. Bargmann et al	2016	Petrogenesis of a Neoproterozoic magmatic arc hosting porphyry Cu-Au mineralization at Jebel Ohier in the Gebeit Terrane, NE Sudan	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 133-154	Africa Sudan NE	Petrogenesis Neoproterozoic magmatic arc hosting porphyry Cu-Au mineralization Jebel Ohier Gebeit Terrane, NE Sudan
Zn-Pb	M1607-111	D. Hnatyshin, D.J. Kontak, E.C. Turner et al	2016	Geochronologic (Re-Os) and fluid-chemical constraints on the formation of the Mesoproterozoic-hosted Nanisivik Zn-Pb deposit, Nunavut, Canada: Evidence for early diagenetic, low-temperature conditions of formation	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 189-217	North America Canada Nunavut	Geochronologic (Re-Os) fluid-chemical constraints Mesoproterozoic-hosted Nanisivik Zn-Pb deposit Nunavut Canada diagenetic low-temperature
Au	M1607-112	Huichao Zhang, Yongfeng Zhu	2016	Geology and geochemistry of the Huilvshan gold deposit, Xinjiang, China: Implications for mechanism of gold precipitation	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 218-240	Asia China Xinjiang	Geology geochemistry Huilvshan gold deposit Xinjiang China mechanism gold precipitation
Cu, Pb, Zn	M1607-113	C. Biel, I. Subías, I. Fanlo, K. Billström, R.D. Acevedo	2016	Multi-isotope approach for the identification of metal and fluid sources of the Arroyo Rojo VMS deposit, Tierra del Fuego, Argentina	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 241-253	South America Tierra del Fuego	Multi-isotope identification metal fluid sources Arroyo Rojo VMS deposit Tierra del Fuego Argentina

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
	M1607-114	A. Martin-Izard, D. Arias, M. Arias, P. Gumiel et al	2016	Ore deposit types and tectonic evolution of the Iberian Pyrite Belt: From transtensional basins and magmatism to transpression and inversion tectonics	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 254-267	Europe Spain/Portugal	Ore deposit types tectonic evolution Iberian Pyrite Belt transtensional basins magmatism transpression inversion tectonics
Pb-Cu	M1607-115	Yawooz Kettanah, Marcos Zentilli, Jacob Hanley et al	2016	Geological setting and fluid inclusion characteristics of a lead-copper-barium occurrence hosted in a Neoproterozoic mafic sill at Kiatak, Northumberland Island, Northwestern Greenland	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 268-287	North America Greenland	fluid inclusion lead-copper-barium Neoproterozoic mafic sill Kiatak Northumberland Island Northwestern Greenland
Mo	M1607-116	Yang Gao, Jing-Wen Mao, Hui-Shou Ye	2016	Petrogenesis of ore-bearing porphyry from the Tangjiaping porphyry Mo deposit, Dabie orogen: Zircon U-Pb geochronology, geochemistry and Sr-Nd-Hf isotopic constraints	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 288-300	Asia China Dabie Orogen	Petrogenesis ore-bearing porphyry Tangjiaping porphyry Mo deposit Dabie orogen Zircon U-Pb geochronology geochemistry Sr-Nd-Hf isotopic
Au	M1607-117	Dave Craw, Kat Lilly	2016	Gold nugget morphology and geochemical environments of nugget formation, southern New Zealand	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 301-315	Oceania New Zealand South	Gold nugget morphology geochemical environments nugget formation southern New Zealand
W	M1607-118	Yahui Zhang, Shitao Zhang, Shucheng Tan et al	2016	The genetic relationship between the large Guanfang W deposit and granitic intrusions, in Yunnan Province, southwest China: Evidence from U-Pb and Re-Os geochronology and Pb and Sr isotopic characteristics	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 332-345	Asia China SW	Guanfang W deposit granitic intrusions Yunnan Province southwest China U-Pb Re-Os geochronology Pb and Sr isotopic characteristics
Zn-Pb	M1607-119	Diogo Rosa, Jens Schneider, Massimo Chiaradia	2016	Timing and metal sources for carbonate-hosted Zn-Pb mineralization in the Franklinian Basin (North Greenland): Constraints from Rb-Sr and Pb isotopes	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016), 392-407	North America Greenland North	Timing metal sources carbonate-hosted Zn-Pb mineralization Franklinian Basin (North Greenland) Rb-Sr and Pb isotopes
Au	M1607-120	Haoyang Zhou, Xiaoming	2016	Mineralogy and mineral chemistry of Bi-minerals: Constraints on ore genesis	Ore Geology Reviews , Volume 79, Pages 1-544 (December 2016),	Asia China SW	Mineralogy mineral chemistry Bi-minerals ore

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Sun, Yu Fu, Hai Lin, Liyi Jiang		of the Beiya giant porphyry- skarn gold deposit, southwestern China	408-424		genesis Beiya giant porphyry- skarn gold deposit southwestern China
Cu- Pb- Zn- Au- Ag, REE	M1607- 121	Nail Yıldırım, Cahit Dönmez, Jisuk Kang et al	2016	A magnetite-rich Cyprus- type VMS deposit in Ortaklar: A unique VMS style in the Tethyan metalogenic belt, Gaziantep, Turkey	Ore Geology Reviews , Volume 79, Pages 1- 544 (December 2016), 425-442	Asia Gaziantep	magnetite-rich Cyprus-type VMS deposit Ortaklar VMS Tethyan metalogenic belt Gaziantep Turkey
Cu	M1607- 122	Bo Bao, James D. Webster, De-Hui Zhang et al	2016	Compositions of biotite, amphibole, apatite and silicate melt inclusions from the Tongchang mine, Dexing porphyry deposit, SE China: Implications for the behavior of halogens in mineralized porphyry systems	Ore Geology Reviews , Volume 79, Pages 1- 544 (December 2016), 443-462	Asia China SE	biotite, amphibole, apatite silicate melt inclusions Tongchang mine, Dexing porphyry deposit, SE China halogens mineralized porphyry systems
Au	M1607- 123	Pablo Sanchez- Alfaro, Martin Reich, Thomas Driesner et al	2016	The optimal windows for seismically-enhanced gold precipitation in the epithermal environment	Ore Geology Reviews , Volume 79, Pages 1- 544 (December 2016), 463-473	Global	seismically- enhanced gold precipitation epithermal environment
Zn- Fe- Pb	M1607- 124	Dídac Navarro- Ciurana, Luis Alberto Campos- Quispe et al	2016	Mineralogical and geochemical characterization of the Riópar non-sulfide Zn-(Fe- Pb) deposits (Prebetic Zone, SE Spain)	Ore Geology Reviews , Volume 79, Pages 1- 544 (December 2016), 515-532	Europe Spain SE	Mineralogical geochemical characterization Riópar non-sulfide Zn-(Fe-Pb) deposits (Prebetic Zone, SE Spain)
Au,S n,Mo	M1607- 125	V. A. Lebedev, O. Z. Dudaui, M. G. Togonidze, et al	2016	The age of young intrusions of Tsana Complex (Greater Caucasus) and isotope- geochemical evidence for their origin from hybrid magmas	Petrology , Volume 24, Issue 4, July 2016, 315– 335	Europe/Asia	intrusions Tsana Complex (Greater Caucasus) isotope- geochemical evidence hybrid magmas
Au,A g	M1607- 126	Jude Cobbing	2016	Review: Mining in Ecologically Sensitive Landscapes	Quarterly Journal of Engineering Geology and Hydrogeology , May 2016; 49 (2), 276 pp	Global	Review Mining Ecologically Sensitive Landscapes
Cu- Zn	M1607- 127	Jiang Zhu, Sanguo Peng and Lianhong	2016	U–Pb Dating of Hydrothermal Zircons from the Neoproterozoic Liushanyan VMS Cu–Zn	Resource Geology , Volume 66, Issue 3, 227–239	Asia China Central	U–Pb Dating Hydrothermal Zircons Neoproterozoic

NEW SCIENTIFIC LITERATURE (BY Source)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Peng		Deposit, Central China: Evidence for a Triassic Deformation Event			Liushanyan VMS Cu–Zn Deposit, Central China Triassic Deformation Event
Cu- W- Mo	M1607- 128	Lei Chen, Keshang Qin, Guangming Li, Jinxiang Li et al	2016	Sm–Nd and Ar–Ar Isotopic Dating of the Nuri Cu–W– Mo Deposit in the Southern Gangdese, Tibet: Implications for the Porphyry-Skarn Metallogenic System and Metallogenetic Epochs of the Eastern Gangdese	Resource Geology , Volume 66, Issue 3, 259–273	Asia Tibet	Sm–Nd Ar–Ar Isotopic Dating Nuri Cu–W–Mo Deposit Southern Gangdese Tibet Porphyry-Skarn Metallogenic System Metallogenetic Epochs Eastern Gangdese
Cu,F e,Au	M1607- 129	Mohammad Reza Ghodsi, Mohammad Boomeri, Sasan Bagheri et al	2016	Metallogeny and Mineralization Potential of the Bazman Granitoids, SE Iran	Resource Geology , Volume 66, Issue 3, 286–302	Middle East Iran SE	Metallogeny Mineralization Potential Bazman Granitoids, SE Iran
Cu- Mo	M1607- 130	Heming Yang, Yangsong Du, Yinghuai Lu, Linjie Chen et al	2016	U–Pb and Re–Os Geochronology of the Hucunann Copper– Molybdenum Deposit in Anhui Province, Southeast China, and its Geological Implications	Resource Geology , Volume 66, Issue 3, 303–312	Asia China SE	U–Pb Re–Os Geochronology Hucunann Copper– Molybdenum Deposit Anhui Province, Southeast China
PGE	M1607- 131	Brian O'Driscoll, José María González- Jiménez	2016	Petrogenesis of the Platinum-Group Minerals	Reviews in Mineralogy and Geochemistry , January 2016; 81 (1), 489-578	Global	Petrogenesis Platinum-Group Minerals
Fe- Ni- Cu	M1607- 132	Jason Harvey, Jessica M. Warren, Steven B. Shirey	2016	Mantle Sulfides and their Role in Re–Os and Pb Isotope Geochronology	Reviews in Mineralogy and Geochemistry , January 2016; 81 (1), 579-649	Global	Mantle Sulfides Role Re–Os Pb Isotope Geochronology
Fe,A u,PG E	M1607- 133	Sarah-Jane Barnes, Edward M. Ripley	2016	Highly Siderophile and Strongly Chalcophile Elements in Magmatic Ore Deposits	Reviews in Mineralogy and Geochemistry , January 2016; 81 (1), 725-774	Global	Highly Siderophile Chalcophile Elements Magmatic Ore Deposits
	M1607- 134	Alicia Sarmiento- Villagrana, Ricardo	2016	New age constraints on magmatism and metamorphism of the Western Sonobari Complex	Revista Mexicana de Ciencias Geológicas , Vol. 33, No. 2, 170-182	North America Mexico NW	New age constraints magmatism metamorphism

NEW SCIENTIFIC LITERATURE (BY Source)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Vega-Granillo et al		and their implications for an earliest Late Cretaceous orogeny on northwestern Mexico			Western Sonobari Complex Late Cretaceous orogeny northwestern Mexico
Cu	M1607-135	Marc Wilson, Debra L. Wilson and Ryan Mathur	2016	Tracing the Source of Native Copper Mineral Specimens with Copper Isotope Values	Rocks and Minerals , MAY/JUNE 2016, n/a	Global	Tracing Source Native Copper Mineral Specimens Copper Isotope Values
Cu	M1607-136	T. Dhansay, G. Brandl, M.J. de Wit	2016	Fractal geometry of the fault network across the Soutpansberg Mountains, Limpopo, South Africa	South African Journal of Geology , March 2016; 119 (1), 235-242	Africa South Africa	Fractal geometry fault network Soutpansberg Mountains, Limpopo, South Africa
PGE	M1607-137	J.J. Beukes, C.D.K. Gauert, R.J. Giebel	2016	Cryptic mineral variation and PGE distribution in the Merensky Reef and its discontinuous mela-gabbro-noritic hanging wall ("Brown Sugar Norite" - BSN) at Two Rivers Platinum Mine, Eastern Bushveld Complex, South Africa	South African Journal of Geology , March 2016; 119 (1), 243-272	Africa South Africa	Cryptic mineral variation PGE distribution Merensky Reef mela-gabbro-noritic hanging wall Two Rivers Platinum Mine, Eastern Bushveld Complex, South Africa
Cu-Zn	M1607-138	Yu. L. Ronkin, M. E. Pritchinn, E. I. Soroka, A. Gerdes et al	2016	First U–Pb isotopic data on zircon from andesite of the Saf'yanovka Cu-bearing massive sulfide deposit (Middle Urals)	Doklady Earth Sciences , Volume 469, Issue 1, July 2016, 665-669	Asia Russia Middle Urals	U–Pb isotopic data zircon andesite Saf'yanovka Cu-bearing massive sulfide deposit (Middle Urals)
Ti–V–Fe	M1607-139	A. B. Vrevsky, A. P. Lvov	2016	Isotopic age and heterogeneous sources of gabbro–anorthosites from the Patchemvarek massif, Kola Peninsula	Doklady Earth Sciences , Volume 469, Issue 1, July 2016, 716-721	Europe NE	Isotopic age heterogeneous sources gabbro–anorthosites Patchemvarek massif, Kola Peninsula
REE	M1607-140	Mohammad Reza Ghodsi, Mohammad Boomeri, Sasan Bagheri et al	2016	Geochemistry, zircon U-Pb age, and tectonic constraints on the Bazman granitoid complex, southeast Iran	TURKISH JOURNAL OF EARTH SCIENCES , Volume: 25 Number: 4, 311-340	Middle East Iran SE	Zircon U-Pb age, Lut block, Neo-Tethyan subduction, Bazman, Iran
REE	M1607-141	KIYMET DENİZ, YUSUF KAĞAN	2016	Assimilation and fractional crystallization of foid-bearing alkaline rocks: Buzlukdağ intrusives,	TURKISH JOURNAL OF EARTH SCIENCES , Volume: 25 Number: 4, 341-366	Asia Turkey Central	Buzlukdağ syenite, alkaline rocks, assimilation and fractional

NEW SCIENTIFIC LITERATURE (BY Source)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		KADIOĞLU		Central Anatolia, Turkey			crystallization, subduction zone metasomatism, lithospheric mantle, enclave

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
Au	M1607-060	Russell A. Carter	2016	Looming Lawsuit threatens South African gold industry	E&MJ: Engineering and Mining Journal, June 2016, Vol 217, Number 6, 5	Africa South Africa	Lawsuit, threat, South African gold industry
Au	M1607-061	Rodney F. Tucker, Richard P. Viljoen and Morris J. Viljoen	2016	A Review of the Witwatersrand Basin - The World's Greatest Goldfield	Episodes, Vol. 39, no. 2, 105-133	Africa South Africa	Witwatersrand Basin World Greatest Goldfield
Au	M1607-062	J. Henckel, K. H. Poulsen, T. Sharp, P. Spora	2016	Lake Victoria Goldfields	Episodes, Vol. 39, no. 2, 135-154	Africa East	Lake Victoria Goldfields
Au	M1607-063	M. Robertson, L. Peters	2016	West African Goldfields	Episodes, Vol. 39, no. 2, 155-176	Africa West	West African Goldfields
Au	M1607-064	Albertus J. B. Smith, George Henry, Susan Frost-Killian	2016	A Review of the Birimian Supergroup-and Tarkwaian Group-Hosted Gold Deposits of Ghana	Episodes, Vol. 39, no. 2, 177-197	Africa Ghana	Birimian Supergroup Tarkwaian Group-Hosted Gold Deposits Ghana
PGE	M1607-065	Morris Viljoen	2016	The Bushveld Complex	Episodes, Vol. 39, no. 2, 239-268	Africa South Africa	Bushveld Complex
Mn	M1607-066	Nicolas J. Beukes, Edward P.W. Swindell, Herve Wabo	2016	Manganese Deposits of Africa	Episodes, Vol. 39, no. 2, 285-317	Africa	Manganese Deposits of Africa
Ni	M1607-067	D. M. Evans, J. P. P. M. Hunt, J. R. Simmonds	2016	An Overview of Nickel Mineralisation in Africa with Emphasis on the Mesoproterozoic East African Nickel Belt (EANB)	Episodes, Vol. 39, no. 2, 319-333	Africa East	An Overview of Nickel Mineralisation in Africa with Emphasis on the Mesoproterozoic East African Nickel Belt (EANB)
REE	M1607-068	R. E. Harmer, P. A. M. Nex	2016	Rare Earth Deposits of Africa	Episodes, Vol. 39, no. 2, 381-406	Africa	Rare Earth Deposits of Africa
Pb-Zn-Ba	M1607-085	Rabah Laouar, Sihem	2016	Fluid inclusion and stable isotope studies of the Mesloulou Pb-Zn-Ba ore	Journal of African Earth Sciences, Volume 121, Pages 1-386	Africa Algeria	Fluid inclusion stable isotope Mesloulou Pb-Zn-Ba

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Salmi-Laouar, Lounis Sami et al		deposit, NE Algeria: Characteristics and origin of the mineralizing fluids	(September 2016), 119-135		ore deposit NE Algeria mineralizing fluids
Pb-Zn-Ba-F	M1607-094	Salah Bouhlel, David L. Leach, Craig A. Johnson et al	2016	A salt diapir-related Mississippi Valley-type deposit: the Bou Jaber Pb-Zn-Ba-F deposit, Tunisia: fluid inclusion and isotope study	Mineralium Deposita, Volume 51, Issue 6, August 2016, 749-780	Africa Tunisia	Fluid inclusions Laser ablation ICP-MS C, O, S, Sr, Pb isotopes Diapir-related MVT Ba-F-Pb-Zn deposit Bou Jaber Tunisia
Au	M1607-106	W.S. Ibrahim, K. Watanabe, K. Yonezu	2016	Structural and litho-tectonic controls on Neoproterozoic base metal sulfide and gold mineralization in North Hamisana shear zone, South Eastern Desert, Egypt: The integrated field, structural, Landsat 7 ETM + and ASTER data approach	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 62-77	Africa Egypt	Structural litho-tectonic Neoproterozoic base metal sulfide gold mineralization North Hamisana shear zone South Eastern Desert Egypt integrated field structural
Cu-Au	M1607-110	F.P. Bierlein, N. Reynolds, D. Arne, C. Bargmann et al	2016	Petrogenesis of a Neoproterozoic magmatic arc hosting porphyry Cu-Au mineralization at Jebel Ohier in the Gebeit Terrane, NE Sudan	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 133-154	Africa Sudan	Petrogenesis Neoproterozoic magmatic arc hosting porphyry Cu-Au mineralization Jebel Ohier Gebeit Terrane, NE Sudan
Cu	M1607-136	T. Dhansay, G. Brandl, M.J. de Wit	2016	Fractal geometry of the fault network across the Soutpansberg Mountains, Limpopo, South Africa	South African Journal of Geology, March 2016; 119 (1), 235-242	Africa South Africa	Fractal geometry fault network Soutpansberg Mountains, Limpopo, South Africa
PGE	M1607-137	J.J. Beukes, C.D.K. Gaurt, R.J. Giebel	2016	Cryptic mineral variation and PGE distribution in the Merensky Reef and its discontinuous mela-gabbro-noritic hanging wall ("Brown Sugar Norite" - BSN) at Two Rivers Platinum Mine, Eastern Bushveld Complex, South Africa	South African Journal of Geology, March 2016; 119 (1), 243-272	Africa South Africa	Cryptic mineral variation PGE distribution Merensky Reef mela-gabbro-noritic hanging wall Two Rivers Platinum Mine, Eastern Bushveld Complex, South Africa
Sn	M1607-001	Xianwu Bi, Ruizhong Hu, Guosheng Cai, Youwei Chen	2016	Tin partition behavior and implications for the Furong tin ore formation associated with peralkaline intrusive granite in Hunan Province, China	Acta Geochimica, Volume 35, Issue 2, June 2016, 138-147	Asia China	Tin Partition Peralkaline granite Hunan Province

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
Pb– Zn– (Ag)	M1607-002	Minfang Wang, Xubo Zhang, Daohui Pi, Xiaonan Guo	2016	Zircon U–Pb dating of Pubei granite and strontium isotope from sphalerite of the Xinhua Pb–Zn–(Ag) deposit, Yunkai Area of Guangxi Province, South China	Acta Geochimica, Volume 35, Issue 2, June 2016, 156-171	Asia China	Zircon U–Pb Strontium isotope Xinhua Pb–Zn–(Ag) deposit Yunkai Area South China
	M1607-003	Ya-Jun Xu, Peter A. Cawood and Yuan-Sheng Du	2016	Intraplate orogenesis in response to Gondwana assembly: Kwangsi Orogeny, South China	American Journal of Science, April 2016; 316 (4), 329-362	Asia China	Intraplate Kwangsi Orogeny South China Kuungan Orogeny Assembly of Gondwana
	M1607-008	Ru Y. Zhang, Jing-Sui Yang, W.G. Ernst, Bor-Ming Jahn, Yoshiyuki Iizuka, and Guo-Lin Guo	2016	Discovery of in situ super-reducing, ultrahigh-pressure phases in the Luobusa ophiolitic chromitites, Tibet: New insights into the deep upper mantle and mantle transition zone	American Mineralogist, Volume 101, 1285–1294	Asia Tibet	Ophiolitic chromitite, in situ, super-reducing UHP phases, deep upper mantle, mantle transition zone, Tibet, moissanite, wüstite, Invited Centennial article
	M1607-020	Nicholas J. Gardiner, Laurence J. Robb, Christopher K. Morley, Michael P. Searle, et al	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Myanmar: Tethyan tectonics and metallogeny"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 82-83	Asia SE	Myanmar, Tethyan tectonics, metallogeny
	M1607-022	Lisa Hart, Jamie Wilkinson, Robin Armstrong & Debora Araujo	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Element mobility during propylitic alteration in porphyry ore systems: a case study of the Oyu T	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 84	Asia Mongolia	propylitic alteration, porphyry ore systems, Oyu Tolgoi deposits, Mongolia
	M1607-025	Jamie J. Wilkinson, Zhaoshan Chang, David R. Cooke, Michael J. Baker, Clara C. Wilkinson, Shaun Inglis & J. Bruce	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Chlorite chemistry as a new exploration tool in the propylitic halo of porphyry-epithermal systems"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 98-99	Asia SE	Chlorite chemistry, exploration, tool, propylitic, porphyry-epithermal systems, Batu Hijau, porphyry, Cu-Au system, Indonesia

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Gemmell					
	M1607-027	Dr Nicholas J Gardiner, Curtin Node, John P Sykes	2016	Is Myanmar about to experience an exploration boom?	AusIMM Bulletin, Jun 2016, n/a	Asia SE	Myanmar, exploration, boom
Au	M1607-037	V. Y. Prokofiev, D. A. Banks, K. V. Lobanov, M. V. Chicherov, and N. N. Akinfiev	2016	S2.2 Fluid and melt processes in the Earth: Au-rich fluid inclusions in gold-bearing quartz from the Kola superdeep borehole (SG-3)	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 117	Asia Russia	Au-rich fluid inclusions, gold-bearing quartz, Kola, borehole
Cu-Zn	M1607-138	Yu. L. Ronkin, M. E. Pritchin, E. I. Soroka, A. Gerdes et al	2016	First U–Pb isotopic data on zircon from andesite of the Saf'yanovka Cu-bearing massive sulfide deposit (Middle Urals)	Doklady Earth Sciences, Volume 469, Issue 1, July 2016, 665-669	Asia Russia	U–Pb isotopic data zircon andesite Saf'yanovka Cu-bearing massive sulfide deposit (Middle Urals)
Cu, Au	M1607-059	Russell A. Carter	2016	Oyu Tolgoi to restart underground development	E&MJ: Engineering and Mining Journal, June 2016, Vol 217, Number 6, 4-5	Asia Mongolia	Oyu Tolgoi, underground development, Au, Cu
Cu	M1607-050	Hui-juan Peng, Jing-wen Mao, Lin Hou, Qi-hai Shu, Chang-qing Zhang, Huan Liu, Yun-man Zhou	2016	Stable Isotope and Fluid Inclusion Constraints on the Source and Evolution of Ore Fluids in the Hongniu-Hongshan Cu Skarn Deposit, Yunnan Province, China	Economic Geology, September 2016; 111 (6), 1369-1396	Asia China	Stable Isotope, Fluid Inclusion, Evolution, Ore Fluids, Hongniu-Hongshan Cu Skarn Deposit, Yunnan Province, China
Ni-Cu	M1607-052	Shengchao Xue, Kezhang Qin, Chusi Li, Dongmei Tang, Yajing Mao, Liang Qi, Edward M. Ripley	2016	Geochronological, Petrological, and Geochemical Constraints on Ni-Cu Sulfide Mineralization in the Poyi Ultramafic-Troctolitic Intrusion in the Northeast Rim of the Tarim Craton, Western China	Economic Geology, September 2016; 111 (6), 1465-1484	Asia China	Geochronological, Petrological, Geochemical Constraints, Ni-Cu Sulfide Mineralization, Poyi Ultramafic-Troctolitic Intrusion, Tarim Craton, Western China
	M1607-056	Robert Moritz	2016	The Economic Geology of Iran: Mineral Deposits and Natural Resources (M. Ghorbani)	Economic Geology, September 2016; 111 (6), 1519-1519	Asia Iran	Economic Geology, Iran, Mineral Deposits, Natural Resources

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
	M1607-073	N. S. Bortnikov, A. V. Volkov, A. L. Galyamov, et al	2016	Mineral resources of high-tech metals in Russia: State of the art and outlook	Geology of Ore Deposits, Volume 58, Issue 2, March 2016, 83-103	Asia Russia	Mineral resources high-tech metals Russia
Au	M1607-074	A. V. Lalomov, S. E. Tabolich, R. M. Chefranov	2016	Advanced geological modeling of coastal-marine cassiterite placers based on data on deposits in Russia's Eastern Arctic Region	Geology of Ore Deposits, Volume 58, Issue 2, March 2016, 104-115	Asia Russia	Advanced geological modeling coastal-marine cassiterite placers Russia Eastern Arctic Region
Au	M1607-075	K. R. Kovalev, O. N. Kuzmina, B. A. Dyachkov, A. G. Vladimirov	2016	Disseminated gold-sulfide mineralization at the Zhaima deposit, eastern Kazakhstan	Geology of Ore Deposits, Volume 58, Issue 2, March 2016, 116-133	Asia Kazakhstan	Disseminated gold-sulfide mineralization Zhaima Kazakhstan
Au	M1607-076	B. B. Damdinov, S. M. Zhmodik, P. A. Roshchektaev	2016	Composition and genesis of the Konevinsky gold deposit, Eastern Sayan, Russia	Geology of Ore Deposits, Volume 58, Issue 2, March 2016, 134-148	Asia Russia	Composition Konevinsky gold deposit Eastern Sayan Russia
REE	M1607-077	V. I. Ivashchenko	2016	Main types of rare-metal mineralization in Karelia	Geology of Ore Deposits, Volume 58, Issue 2, March 2016, 166-171	Asia Russia	rare-metal mineralization Karelia
	M1607-078	Xudong Wu, Yong Wang, Liu Bian, and Ji Shen	2016	Diagenetic effects on magnetic minerals in a Holocene lacustrine sediment core from Huguangyan maar lake, southeast China	Geophysical Journal International, Volume 206, Issue 3, 1586-1598	Asia China	Diagenetic effects magnetic minerals Holocene lacustrine sediment core Huguangyan maar lake southeast China
	M1607-081	K. Akbari, S. M. Tabatabaei Manesh, H. Safaei	2016	Tectonic setting and petrological evidence for the emplacement of mylonitic granites within the middle part of Sanandaj-Sirjan shear zone from East and South East of Chadegan, Iran	Geotectonics, May 2016, Volume 50, Issue 3, 313-326	Asia Iran	mylonitic granites deformation transpressional faults Chadegan Sanandaj-Sirjan Zone
	M1607-082	Qie Qin, He Huang, Tao Wang, Ruiqing Guo,	2016	Relationship of the Tarim Craton to the Central Asian Orogenic Belt: insights from Devonian intrusions in the northern margin of Tarim	International Geology Review, Volume 58, Issue 16, 2016, 2007-2028	Asia China	Zircon U-Pb-Hf isotopes, South Tianshan, Tarim Craton, active continental margin

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Zhaochong Zhang & Ying Tong		Craton, China			
	M1607-083	Cong Wang, Xiao-Gan Cheng, Han-Lin Chen et al	2016	From folding to transpressional faulting: the Cenozoic Fusha structural belt in front of the Western Kunlun Orogen, northwestern Tibetan Plateau	International Journal of Earth Sciences, Volume 105, Issue 5, July 2016, 1621-1636	Asia Tibet	Western Kunlun Orogen Fusha structural belt Folding Transpressional faulting
	M1607-084	Songbai Xuan, Chongyang Shen, Hui Li, Hongbo Tan	2016	Structural interpretation of the Chuan-Dian block and surrounding regions using discrete wavelet transform	International Journal of Earth Sciences, Volume 105, Issue 5, July 2016, 1591-1602	Asia China	Bouguer gravity anomalies Discrete wavelet transform Crustal structure Moho relief Chuan-Dian block
Mg	M1607-086	Liqiong Jia, Xuanxue Mo, M. Santosh, Zhusen Yang et al	2016	Early Cretaceous continental delamination in the Yangtze Block: Evidence from high-Mg adakitic intrusions along the Tanlu fault, central Eastern China	Journal of Asian Earth Sciences, Volume 127, Pages 1-314 (1 September 2016), 152-169	Asia China	Early Cretaceous continental delamination Yangtze Block high-Mg adakitic intrusions Tanlu fault Eastern China
Mo	M1607-087	Huaying Wu, Lianchang Zhang, Franco Pirajno et al	2016	The Mesozoic Caosiyao giant porphyry Mo deposit in Inner Mongolia, North China and Paleo-Pacific subduction-related magmatism in the northern North China Craton	Journal of Asian Earth Sciences, Volume 127, Pages 1-314 (1 September 2016), 281-299	Asia China	Mesozoic Caosiyao giant porphyry Mo deposit Inner Mongolia North China Paleo-Pacific subduction-related magmatism northern North China Craton
Au	M1607-090	Sivaji Lahiri, Manish A. Mamtani	2016	Scaling the 3-D Mohr circle and quantification of paleostress during fluid pressure fluctuation – Application to understand gold mineralization in quartz veins of Gadag (southern India)	Journal of Structural Geology, Volume 88, Pages 1-72 (July 2016), 63-72	Asia India	Scaling 3-D Mohr circle paleostress fluid pressure fluctuation gold mineralization quartz veins Gadag
	M1607-091	Changyun Park, Yungoo Song, Donghoon Chung, Il-Mo Kang et al.	2016	Recrystallization and hydrothermal growth of high U–Th zircon in the Weondong deposit, Korea: Record of post-magmatic alteration	Lithos, Volume 260, Pages 1-474 (1 September 2016), 268-285	Asia South Korea	Recrystallization hydrothermal U–Th zircon Weondong Korea post-magmatic alteration
	M1607-096	M. Valkama, K. Sundblad, N. J. Cook,	2016	Geochemistry and petrology of the indium-bearing polymetallic skarn ores at	Mineralium Deposita, Volume 51, Issue 6, August 2016, 823-839	Asia Russia	Pitkäranta – Polymetallic – Indium – Skarn –

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		V. I. Ivashchenko		Pitkäranta, Ladoga Karelia, Russia			Ore – Rapakivi
Zr	M1607-098	Firat Şengün, Thomas Zack	2016	Trace element composition of rutile and Zr-in-rutile thermometry in meta-ophiolitic rocks from the Kazdağ Massif, NW Turkey	Mineralogy and Petrology, Volume 110, Issue 4, August 2016, 547-560	Asia Turkey	Trace element rutile Zr thermometry meta-ophiolitic rocks Kazdağ Massif, NW Turkey
W–Mo–Cu–Pb–Zn	M1607-103	Li Xiaofeng, Huang Cheng, Wang Chunzeng, Wang Lifa	2016	Genesis of the Huangshaping W–Mo–Cu–Pb–Zn polymetallic deposit in Southeastern Hunan Province, China: Constraints from fluid inclusions, trace elements, and isotopes	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 1-25	Asia China	Huangshaping W–Mo–Cu–Pb–Zn polymetallic deposit Southeastern Hunan Province China fluid inclusions trace elements isotopes
	M1607-104	Nicholas J. Gardiner, Laurence J. Robb, Christopher K. Morley et al	2016	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 26-45	Asia Myanmar	tectonic metallogenic framework Myanmar Tethyan mineral system
Cu	M1607-105	Yin-Hong Wang, Fang-Fang Zhang, Jia-Jun Liu et al	2016	Genesis of the Fuxing porphyry Cu deposit in Eastern Tianshan, China: Evidence from fluid inclusions and C–H–O–S–Pb isotope systematics	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 46-61	Asia China	Genesis Fuxing porphyry Cu deposit Eastern Tianshan China fluid inclusions C–H–O–S–Pb isotope systematics
REE	M1607-107	Namhoon Kim, Albert Chang-sik Cheong, Keewook Yi et al	2016	Post-collisional carbonatite-hosted rare earth element mineralization in the Hongcheon area, central Gyeonggi massif, Korea: Ion microprobe monazite U–Th–Pb geochronology and Nd–Sr isotope geochemistry	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 78-87	Asia Korea	Post-collisional carbonatite-hosted rare earth element mineralization Hongcheon central Gyeonggi massif Korea Ion microprobe monazite U–Th–Pb geochronology Nd–Sr isotope geochemistry
Pb–Zn	M1607-108	Yu-Bo Ma, Leon Bagas, Shu-Wen Xing, Shou-Ting Zhang	2016	Genesis of the stratiform Zhenzigou Pb–Zn deposit in the North China Craton: Rb–Sr and C–O–S–Pb isotope constraints	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 88-104	Asia China	Genesis stratiform Zhenzigou Pb–Zn deposit North China Craton Rb–Sr C–O–S–Pb isotope constraints
Ag, Au, Zn	M1607-109	Zhongwei Wu,	2016	Occurrences and distribution of “invisible”	Ore Geology Reviews, Volume 79, Pages 1-	Asia Central Indian	precious metals sulfide deposits

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
		Xiaoming Sun, Huifang Xu, et al		precious metals in sulfide deposits from the Edmond hydrothermal field, Central Indian Ridge	544 (December 2016), 105-132	Ridge	Edmond hydrothermal field Central Indian Ridge
Au	M1607-112	Huichao Zhang, Yongfeng Zhu	2016	Geology and geochemistry of the Huilvshan gold deposit, Xinjiang, China: Implications for mechanism of gold precipitation	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 218-240	Asia China	Geology geochemistry Huilvshan gold deposit Xinjiang China mechanism gold precipitation
Mo	M1607-116	Yang Gao, Jing-Wen Mao, Hui-Shou Ye	2016	Petrogenesis of ore-bearing porphyry from the Tangjiaping porphyry Mo deposit, Dabie orogen: Zircon U-Pb geochronology, geochemistry and Sr-Nd-Hf isotopic constraints	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 288-300	Asia China	Petrogenesis ore-bearing porphyry Tangjiaping porphyry Mo deposit Dabie orogen Zircon U-Pb geochronology geochemistry Sr-Nd-Hf isotopic
W	M1607-118	Yahui Zhang, Shitao Zhang, Shucheng Tan et al	2016	The genetic relationship between the large Guanfang W deposit and granitic intrusions, in Yunnan Province, southwest China: Evidence from U-Pb and Re-Os geochronology and Pb and Sr isotopic characteristics	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 332-345	Asia China	Guanfang W deposit granitic intrusions Yunnan Province southwest China U-Pb Re-Os geochronology Pb and Sr isotopic characteristics
Au	M1607-120	Haoyang Zhou, Xiaoming Sun, Yu Fu, Hai Lin, Liyi Jiang	2016	Mineralogy and mineral chemistry of Bi-minerals: Constraints on ore genesis of the Beiya giant porphyry-skarn gold deposit, southwestern China	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 408-424	Asia China	Mineralogy mineral chemistry Bi-minerals ore genesis Beiya giant porphyry-skarn gold deposit southwestern China
Cu-Pb-Zn-Au-Ag, REE	M1607-121	Nail Yıldırım, Cahit Dönmez, Jisuk Kang et al	2016	A magnetite-rich Cyprus-type VMS deposit in Ortaklar: A unique VMS style in the Tethyan metallogenic belt, Gaziantep, Turkey	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 425-442	Asia Gaziantep	magnetite-rich Cyprus-type VMS deposit Ortaklar VMS Tethyan metallogenic belt Gaziantep Turkey
Cu	M1607-122	Bo Bao, James D. Webster, De-Hui Zhang et al	2016	Compositions of biotite, amphibole, apatite and silicate melt inclusions from the Tongchang mine, Dexing porphyry deposit, SE China: Implications for the behavior of halogens in mineralized porphyry systems	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 443-462	Asia China	biotite, amphibole, apatite silicate melt inclusions Tongchang mine, Dexing porphyry deposit, SE China halogens mineralized porphyry systems

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
Cu-Zn	M1607-127	Jiang Zhu, Sanguo Peng and Lianhong Peng	2016	U–Pb Dating of Hydrothermal Zircons from the Neoproterozoic Liushanyan VMS Cu–Zn Deposit, Central China: Evidence for a Triassic Deformation Event	Resource Geology, Volume 66, Issue 3, 227–239	Asia China	U–Pb Dating Hydrothermal Zircons Neoproterozoic Liushanyan VMS Cu–Zn Deposit, Central China Triassic Deformation Event
Cu-W-Mo	M1607-128	Lei Chen, Kezhang Qin, Guangming Li, Jinxiang Li et al	2016	Sm–Nd and Ar–Ar Isotopic Dating of the Nuri Cu–W–Mo Deposit in the Southern Gangdese, Tibet: Implications for the Porphyry-Skarn Metallogenic System and Metallogenetic Epochs of the Eastern Gangdese	Resource Geology, Volume 66, Issue 3, 259–273	Asia Tibet	Sm–Nd Ar–Ar Isotopic Dating Nuri Cu–W–Mo Deposit Southern Gangdese Tibet Porphyry-Skarn Metallogenic System Metallogenetic Epochs Eastern Gangdese
Cu-Mo	M1607-130	Heming Yang, Yangsong Du, Yinghuai Lu, Linjie Chen et al	2016	U–Pb and Re–Os Geochronology of the Hucunna Copper–Molybdenum Deposit in Anhui Province, Southeast China, and its Geological Implications	Resource Geology, Volume 66, Issue 3, 303–312	Asia China	U–Pb Re–Os Geochronology Hucunna Copper–Molybdenum Deposit Anhui Province, Southeast China
REE	M1607-141	KIYMET DENİZ, YUSUF KAĞAN KADIOĞLU	2016	Assimilation and fractional crystallization of foid-bearing alkaline rocks: Buzlukdağ intrusives, Central Anatolia, Turkey	TURKISH JOURNAL OF EARTH SCIENCES, Volume: 25 Number: 4, 341-366	Asia Turkey	Buzlukdağ syenite, alkaline rocks, assimilation and fractional crystallization, subduction zone metasomatism, lithospheric mantle, enclave
	M1607-004	Andrej Spiridonov, Antanas Brazauskas and Sigita Radzevičius	2016	Dynamics of abundance of the mid- to late Pridoli conodonts from the eastern part of the Silurian Baltic basin: Multifractals, state shifts, and oscillations	American Journal of Science, April 2016; 316 (4), 363-400	Europe	Conodont paleoecology macroecology multifractal dynamics hierarchical causality Milankovitch cycles state shifts chaos Silurian geobiology
Au	M1607-016	A. J. D'Angelico, G. R. T. Jenkin & D. James	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2,	Europe Portugal	Orogenic gold, mineralisation, northwest Iberia, Portugal, meta-sediment source,

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				College Dublin, Ireland: "Orogenic gold mineralisation in northwest Iberia, Portugal: role of meta-sediment source as a co	2016, 73-74		geochemistry, mineralogy
Zn-Pb	M1607-017	J. H. Ashton, R. J. Blakeman, J. F. Geraghty, B. O'Donovan, A. Beach, D. Collier, et al	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "The Giant Navan carbonate-hosted Zn–Pb deposit: exploration and geology: 1970–2015"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 75-76	Europe Ireland	Giant Navan, carbonate-hosted, Zn–Pb, exploration, geology
Au	M1607-024	Warren Pratt	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "A classification of styles of orogenic (shear zone) gold mineralisation, with examples from Scan	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 94	Europe Scandinavia	classification, orogenic, shear zone, gold mineralisation, Scandinavia
Fe	M1607-030	Youri Hamon, Remy Deschamps, Philippe Joseph, Daniel Garcia, Emmanuelle Chanvry	2016	New insight of sedimentological and geochemical characterization of siliciclastic-carbonate deposits (Alveolina Limestone Formation, Graus-Tremp basin, Spain)	Bulletin de la Société Géologique de France, May 2016 187 (3), n/a	Europe Spain	Mixed facies, Isotopes, Elemental geochemistry, Exposure, Sequence stratigraphy, Ilerdian
	M1607-031	Okland, J.K. Gravdal, H. Dahle, A.K.S. Kvassnes and I.H. Thorseth	2016	S1.3 Mining and the environment: Towards socially and environmentally acceptable: Mobilization of heavy metals in submarine mine tailings	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 84	Europe Norway	heavy metals, submarine, mine tailings, Norway
	M1607-033	E. Jonsson1, M. Sadeghi, K. Högdahl, P.Nysten, T. Bergman, J. Söderhielm and N.Arvanitidis	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: REE mineralisation in Sweden: 222 years of discovery?	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 108	Europe Sweden	REE, mineralisation, Sweden

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	M1607-034	H. Wilts, N. Gries, S. Steger, E. Petavratzi, T. Brown and J. Pokki	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Quantifying the resource potential of selected end-of life products for five critical metals	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 109	Europe	critical metals
	M1607-035	K. Högdahl, E. Jonsson and A. Kritikos	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Critical metals in the mines and dumps of W Bergslagen, Sweden	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 110	Europe Sweden	critical metals, Sweden
Au	M1607-036	T. Fusswinkel, T. Wagner and G. Sakellaris	2016	S2.2 Fluid and melt processes in the Earth: Fluid inclusion LA-ICPMS analysis of ore fluids from the Pampalo orogenic gold deposit, Eastern Finland	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 117	Europe Finland	Fluid inclusion, LA-ICPMS, orogenic gold deposit, Eastern Finland
	M1607-038	P. Sarala and A. Taivalkoski	2016	S2.3 Geochemical and geophysical exploration methods: Ultra low-impact geochemical method for greenfield exploration using snow	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 120	Europe Finland	Ultra low-impact, geochemical method, greenfield exploration, snow
Au	M1607-039	N.D.J. Cook	2016	S2.4 Precambrian metallogeny: Palokas Prospect: An Exciting new Gold Discovery in the Peräpohja Schist Belt, Finland	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 124	Europe Finland	new, Gold Discovery, Peräpohja Schist Belt, Finland
Cu-Au	M1607-040	J. Jäsberg, V. J. Ojala and P. Eilu	2016	S2.4 Precambrian metallogeny: Palokas Prospect: Phyllic alteration-related Cu-Au mineralisation at Raitevarri, Norway	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 131	Europe Norway	Phyllic alteration, Cu-Au mineralisation, Raitevarri, Norway
	M1607-041	P. Sarala, S. Tervonen and A.-L. Tolonen	2016	S3.2 Higher education in geosciences: Experiences, practices and development: GTK Academy for the	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the	Europe Finland	Experiences, practices and development: GTK Academy,

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				maintenance of high-grade professional geological survey	32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 143		maintenance, high-grade professional, geological survey
Ni-Cu-PGE	M1607-042	E. Hanski	2016	S10.4 Mafic-ultramafic intrusions and related ore deposits: Petrology and origin: Mafic-ultramafic intrusions and related Ni-Cu-PGE deposits in the northern part of the Fennoscandian Shield	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 221	Europe Finland	Mafic-ultramafic intrusions, Ni-Cu-PGE, Fennoscandian Shield
Mn	M1607-045	Changxun Yu, Joonas J. Virtasalo, Peter Österholm, Edward D. Burton, Pasi Peltola, Antti E.K. Ojala, Johan K. Hogmalm, Mats E. Åström	2016	Manganese accumulation and solid-phase speciation in a 3.5 m thick mud sequence from the estuary of an acidic and Mn-rich creek, northern Baltic Sea	Chemical Geology, Volume 437, Pages 1-182 (25 October 2016), 56-66	Europe Baltic Sea	solid-phase speciation, estuary, Mn, Baltic Sea
Ti-V-Fe	M1607-139	A. B. Vrevsky, A. P. Lvov	2016	Isotopic age and heterogeneous sources of gabbro–anorthosites from the Patchemvarek massif, Kola Peninsula	Doklady Earth Sciences, Volume 469, Issue 1, July 2016, 716-721	Europe NE	Isotopic age heterogeneous sources gabbro–anorthosites Patchemvarek massif, Kola Peninsula
	M1607-069	G. Yu. Shardakova	2016	Geochemistry and isotopic ages of granitoids of the Bashkirian Mega-Anticlinorium: Evidence for several pulses of tectono–magmatic activity at the junction zone between the Uralian orogen and East European Platform	Geochemistry International, July 2016, Volume 54, Issue 7, 594-608	Europe East	Geochemistry isotopic ages granitoids Bashkirian Mega-Anticlinorium tectono–magmatic Uralian orogen East European Platform
	M1607-070	Alice A. Davies, William F. Perkins, Rob J. Bowell	2016	Geochemical assessment of mine waste cover performance post reclamation at Parc mine, North Wales	Geochemistry: Exploration, Environment, Analysis, May 2016; 16 (2), 127-136	Europe UK	Geochemical assessment mine waste post reclamation Parc mine North Wales
REE	M1607-071	Paweł Brański, Stanisław Zbigniew Mikulski	2016	Rare earth elements distribution in fine-grained deposits from the uppermost Triassic and Lower Jurassic of the Polish Basin: provenance and	Geological Quarterly, Vol 60, No 2, 441-450	Europe Poland	

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				weathering of source area			
REE	M1607-072	Paweł Kwecko	2016	Rare earth elements (REE) and thorium in the youngest Pleistocene glacial tills in Poland	Geological Quarterly, Vol 60, No 2, 451-460	Europe Poland	Rare earth elements thorium Pleistocene glacial tills Poland
Mn	M1607-097	Aleksandar Pačevski, Vladica Cvetković, Kristina Šarić et al	2016	Manganese mineralization in andesites of Brestovačka Banja, Serbia: evidence of sea-floor exhalations in the Timok Magmatic Complex	Mineralogy and Petrology, Volume 110, Issue 4, August 2016, 491-502	Europe Serbia	Manganese mineralization andesites Brestovačka Banja Serbia sea-floor exhalations Timok Magmatic Complex
	M1607-102	Anne Krippner Guido Meinhold Andrew C. Morton et al	2016	Heavy-mineral and garnet compositions of stream sediments and HP–UHP basement rocks from the Western Gneiss Region, SW Norway	Norwegian Journal of Geology, Volume 96 (9), 7-17	Europe Norway	Provenance Heavy minerals Garnet geochemistry Western Gneiss Region Norway
	M1607-114	A. Martin-Izard, D. Arias, M. Arias, P. Gumiel et al	2016	Ore deposit types and tectonic evolution of the Iberian Pyrite Belt: From transtensional basins and magmatism to transpression and inversion tectonics	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 254-267	Europe Spain/Portugal	Ore deposit types tectonic evolution Iberian Pyrite Belt transtensional basins magmatism transpression inversion tectonics
Zn-Fe-Pb	M1607-124	Dídac Navarro-Ciurana, Luis Alberto Campos-Quispe et al	2016	Mineralogical and geochemical characterization of the Riópar non-sulfide Zn-(Fe-Pb) deposits (Prebetic Zone, SE Spain)	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 515-532	Europe Spain	Mineralogical geochemical characterization Riópar non-sulfide Zn-(Fe-Pb) deposits (Prebetic Zone, SE Spain)
Au,Sn,Mo	M1607-125	V. A. Lebedev, O. Z. Dudauri, M. G. Togonidze, et al	2016	The age of young intrusions of Tsana Complex (Greater Caucasus) and isotope-geochemical evidence for their origin from hybrid magmas	Petrology, Volume 24, Issue 4, July 2016, 315–335	Europe/Asia	intrusions Tsana Complex (Greater Caucasus) isotope-geochemical evidence hybrid magmas
	M1607-005	Robert M. Hazen ¹ and Jesse H. Ausubel	2016	On the nature and significance of rarity in mineralogy	American Mineralogist, Volume 101, 1245–1251	Global	Phase equilibria, ephemeral minerals, philosophy of mineralogy, biological rarity, mineral ecology, Invited Centennial article
	M1607-006	Youxue Zhang and	2016	Zircon saturation and Zr diffusion in rhyolitic melts,	American Mineralogist, Volume 101, 1252-1267	Global	Zirconium diffusion, Zr

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		Zhengjiu Xu		and zircon growth geospeedometer			diffusivity, zircon solubility, zircon growth, zircon geospeedometer, cooling rate, Bishop Tuff, Invited Centennial article
	M1607-007	Carol D. Frost, B. Ronald Frost, and James S. Beard	2016	On silica-rich granitoids and their eruptive equivalents	American Mineralogist, Volume 101, 1268-1284	Global	Granite, rhyolite, geochemistry, trondhjemite, leucogranite, petrogenesis, Invited Centennial article, Review article
	M1607-012	Jonathan R. Pickles, Jonathan D. Blundy, and Richard A. Brooker	2016	Trace element thermometry of garnet-clinopyroxene pairs	American Mineralogist, Volume 101, 1438-1450	Global	Lattice strain model, geothermometer, garnet, clinopyroxene, eclogite, experimental petrology, REE
Cu	M1607-014	Peng Ni and Youxue Zhang	2016	Cu diffusion in a basaltic melt	American Mineralogist, Volume 101, 1474-1482	Global	Copper diffusivity, kinetics, kinetic fractionation, copper isotope fractionation
	M1607-015	Dmitriy I. Belakovskiy, Fernando Cámara, Olivier C. Gagne, and Yulia Uvarova	2016	New Mineral Names	American Mineralogist, Volume 101, 1489-1497	Global	new minerals
	M1607-018	Harald G. Dill	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Heavy minerals from ore guide to the deposit"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 80-81	Global	Heavy minerals, ore guide
	M1607-019	Adeline Dutrieux, Anna Lichtschlag & Bramley Murton	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "What is the geological fate of the seafloor massive	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 82	Global	seafloor, massive sulphide deposits

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				sulphide deposits?"			
	M1607-021	Gus Gunn	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "The future availability of critical metals: facts, fiction and fixes"	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 83-84	Global	future availability, critical metals, facts, fiction, fixes
	M1607-026	Steve Rose and Gerry Fahey	2016	An overview of the modern mine geologists' role, and a discussion of professional best practice and pitfalls to avoid	AusIMM Bulletin, Jun 2016, n/a	Global	modern mine, geologists, professional best practice, pitfalls to avoid
REE	M1607-032	J. Yang	2016	S2.1 Critical metals—petrology, geochemistry and ore geology: Studies on Mineralogy and Beneficiation of REE Ores	Bulletin of The Geological Society of Finland, Special Volume 1, 2016, Abstracts of the 32nd Nordic Geological Winter Meeting, 13th-15th January 2016, Helsinki, Finland, 107	Global	Mineralogy, REE
	M1607-046	Yao-Yi Chiang, Stefan Leyk, Narges Honarvar Nazari, Sima Moghaddam, Tian Xiang Tan	2016	Assessing the impact of graphical quality on automatic text recognition in digital maps	Computers & Geosciences, Volume 93, Pages 1-150 (August 2016), 21-35	Global	impact, graphical quality, automatic text recognition, digital maps
Cu	M1607-047	Vladimir Matjuschkina, Jon D. Blundy et al	2016	The effect of pressure on sulphur speciation in mid- to deep-crustal arc magmas and implications for the formation of porphyry copper deposits	Contributions to Mineralogy and Petrology, Volume 171, Issue 7, July 2016, n/a	Global	Sulphur solubility and speciation Oxygen fugacity Phase relations Hydrous magma Porphyry copper deposit
	M1607-058	Russell A. Carter	2016	Can technology advances relieve some of the economic pressure that's stifling greenfield mine development?	E&MJ: Engineering and Mining Journal, June 2016, Vol 217, Number 6, 66-68	Global	technology advances, greenfield mine development
Cu	M1607-051	Farhad Bouzari, Craig J.R. Hart, Thomas Bissig,	2016	Hydrothermal Alteration Revealed by Apatite Luminescence and Chemistry: A Potential Indicator Mineral for Exploring Covered Porphyry	Economic Geology, September 2016; 111 (6), 1397-1410	Global	Hydrothermal Alteration, Apatite Luminescence, Chemistry, Indicator Mineral, Exploring, Covered

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		Shaun Barker		Copper Deposits			Porphyry Copper Deposits
Au	M1607-053	Jeremiah Shuster, Maggy Lengke, María Florencia Márquez-Zavalía, Gordon Southam	2016	Floating Gold Grains and Nanophase Particles Produced from the Biogeochemical Weathering of a Gold-Bearing Ore	Economic Geology, September 2016; 111 (6), 1485-1494	Global	Floating Gold Grains, Nanophase Particles, Biogeochemical Weathering, Gold-Bearing Ore
Ni	M1607-055	Stephen J. Barnes, Steve W. Beresford, Margaux Le Vaillant	2016	Interspinifex Ni Sulfide Ore from the Coronet Shoot, Kambalda: Characterization Using Microbeam X-Ray Fluorescence Mapping and 3-D X-Ray Computed Tomography	Economic Geology, September 2016; 111 (6), 1509-1517	Global	Interspinifex Ni Sulfide Ore, Coronet Shoot, Kambalda, Microbeam X-Ray Fluorescence Mapping, 3-D X-Ray Computed Tomography
Au	M1607-057	Christopher J. L. Wilson	2016	The Metallogeny of Lode Gold Deposits: A Syngenetic Perspective (U. Kretschmar and D. McBride)	Economic Geology, September 2016; 111 (6), 1520-1521	Global	Metallogeny, Lode Gold Deposits, Syngenetic Perspective
	M1607-088	Charlie Kirkwood, Mark Cave, David Beamish, Stephen Grebby et al	2016	A machine learning approach to geochemical mapping	Journal of Geochemical Exploration, Volume 167, Pages 1-110 (August 2016), 49-61	Global	machine learning geochemical mapping
Au	M1607-099	S. C. Dominy	2016	Importance of good sampling practice throughout the gold mine value chain	Mining Technology: Transactions of the Institutions of Mining and Metallurgy: Section A, Volume 125, Issue 3, 2016, 129-141	Global	Theory of sampling, Sampling errors, Gold sampling, Protocol optimisation, Financial losses
Au	M1607-123	Pablo Sanchez-Alfaro, Martin Reich, Thomas Driesner et al	2016	The optimal windows for seismically-enhanced gold precipitation in the epithermal environment	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 463-473	Global	seismically-enhanced gold precipitation epithermal environment
Au,A g	M1607-126	Jude Cobbing	2016	Review: Mining in Ecologically Sensitive Landscapes	Quarterly Journal of Engineering Geology and Hydrogeology, May 2016; 49 (2), 276 pp	Global	Review Mining Ecologically Sensitive Landscapes

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Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
PGE	M1607-131	Brian O'Driscoll, José María González-Jiménez	2016	Petrogenesis of the Platinum-Group Minerals	Reviews in Mineralogy and Geochemistry, January 2016; 81 (1), 489-578	Global	Petrogenesis Platinum-Group Minerals
Fe-Ni-Cu	M1607-132	Jason Harvey, Jessica M. Warren, Steven B. Shirey	2016	Mantle Sulfides and their Role in Re–Os and Pb Isotope Geochronology	Reviews in Mineralogy and Geochemistry, January 2016; 81 (1), 579-649	Global	Mantle Sulfides Role Re–Os Pb Isotope Geochronology
Fe, Au, PG E	M1607-133	Sarah-Jane Barnes, Edward M. Ripley	2016	Highly Siderophile and Strongly Chalcophile Elements in Magmatic Ore Deposits	Reviews in Mineralogy and Geochemistry, January 2016; 81 (1), 725-774	Global	Highly Siderophile Chalcophile Elements Magmatic Ore Deposits
Cu	M1607-135	Marc Wilson, Debra L. Wilson and Ryan Mathur	2016	Tracing the Source of Native Copper Mineral Specimens with Copper Isotope Values	Rocks and Minerals, MAY/JUNE 2016, n/a	Global	Tracing Source Native Copper Mineral Specimens Copper Isotope Values
	M1607-079	Riyadh Al-Saad, Ralph Bridle	2016	Near-surface modeling challenges highlighted at SEG/DGS Near-Surface Modeling Workshop	The Leading Edge, July 2016; 35 (7), 620-621	Global	Near-surface modeling challenges SEG/DGS Near-Surface Modeling Workshop
Cu-Au	M1607-092	F. P. Bierlein, S. McKeag, N. Reynolds, C. J. Bargmann et al	2016	The Jebel Ohier deposit—a newly discovered porphyry copper–gold system in the Neoproterozoic Arabian–Nubian Shield, Red Sea Hills, NE Sudan	Mineralium Deposita, Volume 51, Issue 6, August 2016, 713-724	Middle East Sudan	Porphyry Cu–Au – Neoproterozoic – Red Sea Hills – U–Pb age dating – Arabian–Nubian Shield
Cu, Fe, Au	M1607-129	Mohammad Reza Ghodsi, Mohammad Boomeri, Sasan Bagheri et al	2016	Metallogeny and Mineralization Potential of the Bazman Granitoids, SE Iran	Resource Geology, Volume 66, Issue 3, 286–302	Middle East Iran	Metallogeny Mineralization Potential Bazman Granitoids, SE Iran
REE	M1607-140	Mohammad Reza Ghodsi, Mohammad Boomeri, Sasan Bagheri et al	2016	Geochemistry, zircon U-Pb age, and tectonic constraints on the Bazman granitoid complex, southeast Iran	TURKISH JOURNAL OF EARTH SCIENCES, Volume: 25 Number: 4, 311-340	Middle East Iran	Zircon U-Pb age, Lut block, Neo-Tethyan subduction, Bazman, Iran

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Ni	M1607-013	Cristina Villanova-de-Benavent, Fernando Nieto, Cecilia Viti et al.	2016	Ni-phylosilicates (garnierites) from the Falcondo Ni-laterite deposit (Dominican Republic): Mineralogy, nanotextures, and formation mechanisms by HRTEM and AEM	American Mineralogist, Volume 101, 1460-1473	North America Dominican Republic	Ni-laterites, garnierites, chrysotile, polygonal serpentine, lizardite, "kerolite"- "pimelite", sepiolite-falcondoite, HRTEM
Au	M1607-044	Georges Beaudoin, Massimo Chiaradia	2016	Fluid mixing in orogenic gold deposits: Evidence from the H-O-Sr isotope composition of the Val-d'Or vein field (Abitibi, Canada)	Chemical Geology, Volume 437, Pages 1-182 (25 October 2016), 7-18	North America Canada	H-O-Sr isotope composition, Val-d'Or vein, Abitibi, Canada
Au	M1607-049	R. J. Chapman, J. K. Mortensen	2016	Characterization of Gold Mineralization in the Northern Cariboo Gold District, British Columbia, Canada, Through Integration of Compositional Studies of Lode and Detrital Gold with Historical Placer Production: A Template for Evaluation of Orogenic Gold D	Economic Geology, September 2016; 111 (6), 1321-1345	North America Canada	Gold Mineralization, Northern Cariboo Gold District, British Columbia, Canada, Lode Gold, Detrital Gold, Orogenic Gold Districts
Au	M1607-054	Jean-Luc Pilote, Stephen J. Piercey, Stefanie M. Brueckner, David Grant	2016	Resolving the Relative Timing of Au Enrichment in Volcanogenic Massive Sulfide Deposits Using Scanning Electron Microscopy-Mineral Liberation Analyzer: Empirical Evidence from the Ming Deposit, Newfoundland, Canada	Economic Geology, September 2016; 111 (6), 1495-1508	North America Canada	Au Enrichment, Volcanogenic Massive Sulfide Deposits, Scanning Electron Microscopy-Mineral Liberation Analyzer, Empirical Evidence, Ming Deposit, Newfoundland, Canada
	M1607-080	W. Jackaman and D.A. Sacco	2016	Reconnaissance Biogeochemical Survey Using Spruce-Tops in the West Road (Blackwater) River Area, Fraser Plateau, British Columbia	Geoscience BC, 2016-05, 8 pgs	North America Canada	Reconnaissance Biogeochemical Survey Spruce-Tops Blackwater River Area Fraser Plateau British Columbia
Zn-Pb	M1607-111	D. Hnatyshin, D.J. Kontak, E.C. Turner et al	2016	Geochronologic (Re-Os) and fluid-chemical constraints on the formation of the Mesoproterozoic-hosted Nanisivik Zn-Pb deposit, Nunavut, Canada: Evidence for early diagenetic, low-temperature	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 189-217	North America Canada	Geochronologic (Re-Os) fluid-chemical constraints Mesoproterozoic-hosted Nanisivik Zn-Pb deposit Nunavut Canada

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				conditions of formation			diagenetic low-temperature
Pb-Cu	M1607-115	Yawooz Kettanah, Marcos Zentilli, Jacob Hanley et al	2016	Geological setting and fluid inclusion characteristics of a lead-copper-barium occurrence hosted in a Neoproterozoic mafic sill at Kiatak, Northumberland Island, Northwestern Greenland	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 268-287	North America Greenland	fluid inclusion lead-copper-barium Neoproterozoic mafic sill Kiatak Northumberland Island Northwestern Greenland
Zn-Pb	M1607-119	Diogo Rosa, Jens Schneider, Massimo Chiaradia	2016	Timing and metal sources for carbonate-hosted Zn-Pb mineralization in the Franklinian Basin (North Greenland): Constraints from Rb-Sr and Pb isotopes	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 392-407	North America Greenland	Timing metal sources carbonate-hosted Zn-Pb mineralization Franklinian Basin (North Greenland) Rb-Sr and Pb isotopes
	M1607-134	Alicia Sarmiento-Villagrana, Ricardo Vega-Granillo et al	2016	New age constraints on magmatism and metamorphism of the Western Sonobari Complex and their implications for an earliest Late Cretaceous orogeny on northwestern Mexico	Revista Mexicana de Ciencias Geológicas, Vol. 33, No. 2, 170-182	North America Mexico	New age constraints magmatism metamorphism Western Sonobari Complex Late Cretaceous orogeny northwestern Mexico
IOC G-U-Ag	M1607-009	Edeltraud Macmillan, Nigel J. Cook, Kathy Ehrig, Cristiana L. Ciobanu, and Allan Pring	2016	Uraninite from the Olympic Dam IOCG-U-Ag deposit: Linking textural and compositional variation to temporal evolution	American Mineralogist, Volume 101, 1295–1320	Oceania Australia	Uranium, uraninite, Olympic Dam, IOCG deposits
Ni	M1607-010	Vadim S. Kamenetsky, Alexey V. Lygin, Jeff G. Foster, Sebastian Meffre, et al.	2016	A story of olivine from the Mclvor Hill complex (Tasmania, Australia): Clues to the origin of the Avebury metasomatic Ni sulfide deposit	American Mineralogist, Volume 101, 1321-1331	Oceania Australia	Ni sulfide deposits, peridotites, serpentinization, olivine, granite, metasomatism, geochronology
Cu-Au	M1607-023	Adam Pacey, Jamie J. Wilkinson, Adrian J. Boyce & David R. Cooke	2016	Abstracts from the winter meeting of the Geological Society's Mineral Deposits Studies Group, held on 4–6 January 2016 at University College Dublin, Ireland: "Propylitic alteration and metal mobility in porphyry	Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy: Section B, Volume 125, Issue 2, 2016, 93	Oceania Australia	Propylitic alteration, metal mobility, porphyry systems, case study, Northparkes, Cu-Au, Australia"

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				systems: a case study of the Northparkes Cu			
	M1607-028	T. P. Mernagh, E. N. Bastrakov, S. Jaireth, P. de Caritat, P. M. English & J. D. A. Clarke	2016	A review of Australian salt lakes and associated mineral systems	Australian Journal of Earth Sciences, Volume 63, Issue 2, 2016, 131-157	Oceania Australia	Australian salt lakes, groundwater, paleovalleys, mineral systems, potash, lithium, boron
	M1607-029	J. D. Clemensa & M. A. Elburg	2016	Possible spatial variability in the Selwyn Block of Central Victoria: evidence from Late Devonian felsic igneous rocks	Australian Journal of Earth Sciences, Volume 63, Issue 2, 2016, 187-192	Oceania Australia	Lachlan Orogen, Melbourne Zone, Central Victoria, Selwyn Block, granites, felsic volcanic rocks
Au	M1607-048	Daniel D. Gregory, Ross R. Large, Adam B. Bath, Jeffrey A. Steadman, Selina Wu, Leonid Danyushevs ky, Stuart W. Bull, Peter Holden, Trevor R. Ireland	2016	Trace Element Content of Pyrite from the Kapai Slate, St. Ives Gold District, Western Australia	Economic Geology, September 2016; 111 (6), 1297-1320	Oceania Australia	Trace Element, Pyrite, Kapai Slate, St. Ives Gold District, Western Australia
	M1607-100	MW Sagar, JM Palin, AJ Tulloch & LA Heath	2016	The geology, geochronology and affiliation of the Glenroy Complex and adjacent plutonic rocks, southeast Nelson	New Zealand Journal of Geology and Geophysics, Volume 59, Issue 2, 2016, 213-235	Oceania New Zealand	Alpine Fault, Big Bend, Darran Suite, Davis Creek Paragneiss, Glenroy Complex, granulites, Median Batholith, Separation Point Suite, Western Fiordland Orthogneiss, Woodham Orthogneiss
	M1607-101	M Bernet & K Bassett	2016	Quartz types of the Eocene Broken River Formation, Mount Somers, South Island, New Zealand	New Zealand Journal of Geology and Geophysics, Volume 59, Issue 2, 2016, 274-285	Oceania New Zealand	Eyre Group, Mount Somers, New Zealand; provenance, quartz arenite, SEM-CL
Au	M1607-117	Dave Craw, Kat Lilly	2016	Gold nugget morphology and geochemical	Ore Geology Reviews, Volume 79, Pages 1-	Oceania New Zealand	Gold nugget morphology

NEW SCIENTIFIC LITERATURE (BY REGION)

Comm	REF #	AUTHOR	YEAR	TITLE	SOURCE	REGION/LOCATION	KEYWORDS
				environments of nugget formation, southern New Zealand	544 (December 2016), 301-315		geochemical environments nugget formation southern New Zealand
Mn	M1607-011	Raymond E. Arvidson, Steven W. Squyres, Richard V. Morris, Andrew H. Knoll, Ralf Gellert, et al.	2016	High concentrations of manganese and sulfur in deposits on Murray Ridge, Endeavour Crater, Mars	American Mineralogist, Volume 101, 1389-1405	Outer Space Mars	Mars, geochemistry, mineralogy, manganese oxides, sulfates
	M1607-043	D'Arcy Jenish	2016	MOON MINING It's closer than ever thanks to a small Canadian company	Canadian Mining Journal, June 1, 2016, n/a	Outer Space Moon	moon, mining, Canada
Cu-Au	M1607-089	Laura Maydagán, Marta Franchini, Agnes Impiccini, David Lentz	2016	Phyllosilicates geochemistry and distribution in the Altar porphyry Cu-(Au) deposit, Andes Cordillera of San Juan, Argentina: Applications in exploration, geothermometry, and geometallurgy	Journal of Geochemical Exploration, Volume 167, Pages 1-110 (August 2016), 83-109	South America Argentina	Phyllosilicates geochemistry Altar porphyry Cu-(Au) deposit Andes Cordillera San Juan, Argentina exploration geothermometry geometallurgy
Au-Ag	M1607-093	Conrado Permuy Vidal, Diego M. Guido, Sebastián M. Jovic et al	2016	The Marianas-San Marcos vein system: characteristics of a shallow low sulfidation epithermal Au–Ag deposit in the Cerro Negro district, Deseado Massif, Patagonia, Argentina	Mineralium Deposita, Volume 51, Issue 6, August 2016, 725-748	South America Argentina	Epithermal Quartz vein Jurassic Patagonia Argentina
Au-Pd-Pt	M1607-095	Gabriel V. Berni, Christoph A. Heinrich, Lydia M. Lobato et al	2016	Ore mineralogy of the Serra Pelada Au-Pd-Pt deposit, Carajás, Brazil and implications for ore-forming processes	Mineralium Deposita, Volume 51, Issue 6, August 2016, 781-795	South America Brazil	Ore mineralogy Serra Pelada Au-Pd-Pt Carajás, Brazil
Cu,P b,Zn	M1607-113	C. Biel, I. Subías, I. Fanlo, K. Billström, R.D. Acevedo	2016	Multi-isotope approach for the identification of metal and fluid sources of the Arroyo Rojo VMS deposit, Tierra del Fuego, Argentina	Ore Geology Reviews, Volume 79, Pages 1-544 (December 2016), 241-253	South America Tierra del Fuego	Multi-isotope identification metal fluid sources Arroyo Rojo VMS deposit Tierra del Fuego Argentina

Conference Calendar 2016 and beyond

CONFERENCES, WORKSHOPS AND EVENTS

The following list is a 'heads-up' for conferences, workshops and events relevant to the mineral exploration industry coming up in 2016 and beyond.

2016

January			
February			
March			
April			
May			
June			
July			
August			
Aug 10-12, 2016	Mineral Metals Metallurgy Materials Exhibition & Conference MMMM 2016	New Delhi, India	http://www.mmmm-expo.com/
Aug 16-18, 2016	Heavy Minerals Conference 2016 - 10th Anniversary	Sun City, South Africa	http://www.saimm.co.za/saimm-events/upcoming-events/10th-heavy-minerals-conference-2016
Aug 13-19, 2016	ISMS 2016	Montreal, Quebec	http://www.isms2016.symposium.mcgill.ca/
Aug 21-23, 2016	MININ 2016 - 6th Anniversary	Santiago, Chile	https://gecamin.com/minin/english/
Aug 21-24, 2016	INTERNATIONAL GEOPHYSICAL CONFERENCE AND EXHIBITION	Adelaide, Australia	http://www.conference.aseg.org.au/
Aug 22-23, 2016	3rd International Conference on Mining, Material, and Metallurgical Engineering MMME 2016	Budapest, Hungary	http://mmmeconference.com/
Aug 22-24, 2016	International Mine Management 2016	Brisbane, Queensland	http://www.immconference.ausimm.com.au/
Aug 22-26, 2016	GeoBaikal 2016: Expand Horizons From East Siberia to the Pacific – Geology, Exploration and Development	Irkutsk, Russia	http://www.eage.org/event/index.php?eventid=1433&Opendivs=s3
Aug 23-24, 2016	Oulu Mining Summit 2016	Oulu, Finland	http://www oulu.fi/oms/node/35193
Aug 24-26, 2016	Metallurgy Peru 2016	Lima, Peru	http://www.encuentrometalurgia.com/metallurgia-extractiva-2016/
Aug 25, 2016	AusIMM Consultants Society Seminar - Getting Value from your Professional Advisors	Brisbane, Queensland	http://www.ausimm.com.au/content/default.aspx?ID=602
Aug 27 - Sep 4, 2016	35th International Geological Congress	Cape Town, South Africa	http://www.35igc.org/
Aug 29-31, 2016	2016 ISRM International Symposium "EUROCK 2016	Cappadocia, Turkey	http://eurock2016.org/
Aug 31 – Sep 2, 2016	IFACMMM 2016	Vienna, Austria	www.ifacmmm2016.com

September			
Sep 2-4, 2016	Khanan 2016	DHANBAD, India	http://khanan.smeism.in/
Sep 3-6, 2016	2016 AusIMM New Zealand Branch Annual Conference	Wellington, NZ	http://www.ausimm.com.au/content/docs/branch/2016/nz/2016_nz_branch_conference_20160308.pdf
Sep 4-8, 2016	Conference on Geophysics for Mineral Exploration and Mining Near Surface Geo science 2016 - 1st Anniversary	Barcelona, Spain	http://www.eage.org/event/index.php?eventid=1420&Opendivs=s3
Sep 6-8, 2016	China Metals Week 2016	Beijing, China	http://www.argusmedia.com/events/argus-events/asia/cmw/overview/
Sep 7-9, 2016	Africa Downunder	Perth, Australia	https://www.africadownunderconference.com/
Sep 7-9, 2016	88th Congress of the Italian Geological Society	Naples, Italy	http://www.sginapoli2016.it/home/index.php/en/
Sep 11-15, 2016	Conference of Metallurgists	Quebec City, Quebec	http://com2016.metsoc.org/
Sep 11-15, 2016	EMC2 2016: 2nd European Mineralogical Conference	Rimini, Italy	http://emc2016.socminpet.it/
Sep 12-15, 2016	48th Annual Canadian Mineral Analysts Conference and Exhibition CMA 2016	Sudbury, Canada	http://www.2016cma.com/
Sep 12-16, 2016	Electra Mining Africa 2016	Johannesburg, South Africa	http://www.electramining.co.za/
Sep 13, 2016	European Mining Business Forum 2016	Sofia, Bulgaria	http://embf.eu/en/eng-za-konferenciata
Sep 14-16, 2016	ExpoMina Peru 2016	Lima, Peru	https://www.expominaperu.com/ingles/index2.html
Sep 14-16, 2016	MiningWorld Central Asia 2016	Almaty, Kazakhstan	http://www.miningworld.kz/index.php/en/
Sep 19-20, 2016	The AusIMM New Leaders' Conference 2016	Brisbane, Queensland	http://www.newleaders.ausimm.com.au/
Sep 19-20, 2016	Mining on Top : Africa - London Summit MOTA 2016	London, United Kingdom	http://ametrade.org/miningontopafrika/
Sep 20-22, 2016	E-Scrap 2016	New Orleans, USA	http://www.e-scrapconference.com/
Sep 21-23, 2016	2nd Virtual Geoscience Conference	Bergen, Norway	http://virtualoutcrop.com/vgc2016
Sep 22-25, 2016	CHINA MINING Conference and Exhibition 2016	Tianjin, China	http://www.chinamining-expo.org/
Sep 25-28, 2016	GSA 2016 Annual Meeting & Exposition	Denver, USA	http://community.geosociety.org/gsa2016/home
Sep 25-28, 2016	SEG 2016: Tethyan Tectonics and Metallogeny	Cesme, Turkey	http://www.seg2016.org/
Sep. 26-28, 2016	MINExpo International 2016	Las Vegas, United States	http://www.minexpo.com/
Sep 26-28, 2016	Mines and Money Americas	Toronto, Canada	http://www.minesandmoney.com/
Sep 28-30, 2016	Life-of-Mine 2016	Brisbane, Queensland	http://www.lifeofmine.ausimm.com.au/
October			

Oct 3-4, 2016	International Conference on Geophysics	Toronto, Canada	http://geophysics.conferenceseries.com/
Oct 5-6, 2016	Xplor – Quebec Mining Exploration Convention	Quebec City, Quebec	http://www.aemq.org/
Oct 10-12, 2016	13th AusIMM Mill Operators' Conference 2016	Perth, Western Australia	http://www.milloperators.ausimm.com.au/
Oct 12-14, 2016	SIM 2016	Grenoble, France	http://www.expositionsim.com/en/
Oct 13-15, 2016	International Mining and Minerals Recovery Exhibition Myanmar 2016 - 4th Anniversary	Yangon, Myanmar	http://www.miningmyanmar.com/mining/2016/en/index.asp
Oct 12-14, 2016	Mining & Engineering Indonesia 2016	Kemayoran, Indonesia	http://www.miningandengineeringindo.com/
Oct. 18 – 21, 2016	World Mining Congress 2016	Rio de Janeiro, Brazil	http://www.wmc2016.org.br/default2.asp
Oct 20, 2016	6th Annual Mining Summit	Timmins, Canada	http://nadfevents.org/events/mining-summit/
Oct 27-28, 2016	Shortcourse: "Basic Principles of Exploration Geochemistry"	Vancouver, Canada	www.klsgeo.com/SC26.htm
November			
Nov 6-8, 2016	24th Annual Canadian Aboriginal Minerals Association	Ottawa, Ontario	https://www.aboriginalminerals.com/
Nov 7-10, 2016	International Mining and Resources Conference - IMARC 2016	Melbourne, Victoria	http://imarcmelbourne.com/
Nov 8-10, 2016	Senegal International Mining Conference and Exhibition SIM SENEGAL 2016 - 4th Anniversary	Dakar, Senegal	http://simsenegal.com/
Nov 15-16, 2016	Ninth AusIMM Open Pit Operators' Conference 2016	Kalgoorlie, Western Australia	http://www.openpitoperators.ausimm.com.au/
Nov 16-18, 2016	2016 Manitoba Mining and Minerals Convention	Winnipeg, Manitoba	http://www.manitoba.ca/iem/convention/index.html
Nov 18-22, 2016	International Association for Gondwana Research	Trivandrum, India	http://www.iagr2016.com/
Nov 21-23, 2016	Comminution Peru 2016	Lima, Peru	http://www.encuentrometalurgia.com/
Nov 28 – Dec 1, 2016	Mines and Money London 2016	London, United Kingdom	http://www.minesandmoney.com
December			

2017

January			
Jan. 23 – 26, 2017	Mineral Exploration Roundup 2017	Vancouver, BC CANADA	http://www.amebc.ca/
March			
Mar. 5-8, 2017	PDAC 2017	Toronto, Canada	http://www.pdac.ca/convention
April			
Apr 5-7, 2017	Mines and Money Asia 2017	Hong Kong	http://www.minesandmoney.com/
May			
May 1-2, 2017	Minesafe International 2017	Perth, Western Australia	http://www.minesafe.ausimm.com.au/

May 9-11, 2017	Eighth World Conference on Sampling and Blending	Perth, Western Australia	http://www.wcsb8.com/
May 20-25, 2017	JpGU-AGU Joint Meeting 2017	Makuhari Messe, Chiba, Japan	https://meetings.agu.org/jpgu-and-agu-partnership/
May 20-27, 2017	ALTA 2017 Nickel-Cobalt-Copper, Uranium-REE & Gold-PM Conference & Exhibition	Perth, Australia	http://www.altamet.com.au/
May 22-24, 2017	2nd Geophysics Conference	Abu Dhabi, UAE	geophysics@conferenceseries.net
May 26-27, 2017	CANADA NORTH RESOURCES EXPO 2017	Prince George, British Columbia	http://www.masterpromotions.ca/Previous-Events/canada-north-resources-expo-2017/
June			
Jun 11-17, 2017	2nd International Conference on Applied Mineralogy & Advanced Materials - 13th International Conference on Applied Mineralogy	Taranto, Italy	http://www.scientevents.com/amam-icam2017/
July			
n/a yet	Australian Earth Sciences Convention 2017	Canberra, AUS	http://www.gsa.org.au/
August			
Aug 13-18, 2017	Goldschmidt 2017	Paris, France	http://goldschmidt.info/2017/
September			
Sep 17-20, 2017	SEG 2017: Ore Deposits of Asia: China and Beyond	Beijing, China	http://www.seg2017.org/
Sep 20-22, 2017	Tenth International Mining Geology Conference 2017	Hobart, Tasmania	http://www.mininggeology.ausimm.com.au/
October			
Oct 21-25, 2017	Exploration 2017	Toronto, Canada	http://www.exploration17.com/
November			
December			

2018

2019
