

Geochemistry and petrogenesis of the Jinchuan ultramafic intrusion: relative roles of olivine accumulation, contamination, and fractional crystallization [MS#4227, 31/01/2012]

N. TONNELIER, N.T. ARNDT & C.M. LESHER

Paragenesis, chemistry and significance in the pegmatite evolution of the phosphate mineral associations from the Cema pegmatite (San Luis province, Argentina) [MS#4190, 30/01/2012]

E. RODA-ROBLES, M. GALLISKI, M.B. ROQUET, F. HATERT & P. DE PARSEVAL

Copper-excess stannoidite and fahlore as proxies for hydrothermal fluid evolution in a zoned Cordilleran base metal district - Morococha, central Peru [MS#4214, 28/01/2012]

H. CATCHPOLE, K. KOUZMANOV & L. FONTBOTÉ

Zoned REE-enriched dravite from a granitic pegmatite in Forshammar, Bergslagen province, Sweden: EMPA, XRD and LA-ICP-MS study [MS#4207, 25/01/2012]

P. BAČÍK, P. UHER, A. ERTL, E. JONSSON,  
P. NYSTEN, V. KANICKÝ & T. VACULOVÍČ

Allanite-(Nd) from the Kingman feldspar mine, Mojave pegmatite district, northwestern Arizona, USA [MS#4189, 24/01/2012]

S.L. HANSON, A.U. FALSTER, W.B. SIMMONS & T.J. BROWN

Petrogenesis of Cr-rich calc-silicate rocks from Bandihalli schist belt, Archean Dharwar craton, India [MS#4222, 13/01/2012]

T. TAGUCHI, M. SATISH-KUMAR, T. HOKADA & M. JAYANANDA

Radioactive abyssal granitic pegmatites in the Wollaston Domain, northern Saskatchewan (Canada): mineral chemistry and P-T-t conditions in the Fraser Lake area [MS#4221, 12/01/2012]

C.L. AUSTMAN, I.R. ANNESLEY & K.M. ANSDELL

Texture and composition of Pb-bearing pyrite from the Čoka Marin polymetallic deposit, Serbia, controlled by nanoscale inclusions [MS#4205, 11/01/2012]

A. PAČEVSKI, R. MORITZ, K. KOUZMANOV,

K. MARQUARDT, P. ŽIVKOVIĆ & L.J. CVETKOVIĆ

Pseudobrookite from the Nine Mile pluton, Marathon County, Wisconsin  
[MS#4196, 07/01/2012]

T.W. BUCHHOLZ, A.U. FALSTER & W.B. SIMMONS

Non-destructive identification of micrometer-scale minerals and their position  
within a bulk sample [MS#4253, 06/01/2012]

H.O. SØRENSEN, S.S. HAKIM, S. PEDERSEN, B.C. CHRISTIANSEN,  
Z.I. BALOGH, C.P. HEM, I.S. PASARIN, S. SCHMIDT, U.L. OLSEN,  
J. ODDERSHEDE, C. FRANSEN, R. FEIDENHANS'L & S.L.S. STIPP

The petrogenesis of the garnet menzerite-(Y), end-member  $Y_2CaMg_2Si_3O_{12}$ , and its  
bearing on the Y + HREE budget in granulite-facies rocks in the Parry Sound  
Domain, Grenville Province, Ontario [MS#4220, 05/01/2012]

J.H. MARSH, E.S. GREW, C.C. GERBI & M.G. YATES

Crystal chemistry of olivine-type phosphates: a structural study of the  
lithiophilite-sicklerite series [MS#4206, 29/12/2011]

F. HATERT, L. OTTOLINI, J. WOUTERS & F. FONTAN

Aspedamite, ideally  $\square_{12}(Fe^{3+}, Fe^{2+})_3Nb_4[Th(Nb, Fe^{3+})_{12}O_{42}]\{(H_2O), (OH)\}_{12}$ , a new  
heteropolyniobate mineral from Herrebøkasa quarry, Aspedammen, Østfold,  
southern Norway: description and crystal structure [MS#4247, 28/12/2011]

M.A. COOPER, Y.A. ABDU, N.A. BALL,  
P. ČERNÝ, F.C. HAWTHORNE & R. KRISTIANSEN

Postite,  $Mg(H_2O)_6Al_2(OH)_2(H_2O)_8(V_{10}O_{28}) \cdot 13H_2O$ , a new mineral species from the La  
Sal mining district, Utah: crystal structure and descriptive mineralogy [MS#4231,  
26/12/2011]

A.R. KAMPF, J.M. HUGHES, J. MARTY & B. NASH

Textural analysis of strongly altered kimberlite: examples from the Ekati diamond  
mine, NWT, Canada [MS#4169, 24/12/2011]

L.A. PORRITT, R.A.F. CAS, B. SCHAEFER & S.W. MCKNIGHT

A novel potassium-rich variety of tinsleyite,

$|K_{1.5}(H_2O)_{0.5}|[Al_2(OH)\{(OH)_{0.5}(H_2O)_{0.5}\}(PO_4)_2]$  [MS#4172, 21/12/2011]

O.V. YAKUBOVICH, W. MASSA & O.V. DIMITROVA

The crystal chemistry of uranyl selenate and selenite compounds and their relationship with uranyl mineral structures [MS#4218, 19/12/2011]

E.M. WYLIE & P.C. BURNS

Nature of heavy metals in hemimorphite: a cation-exchange and single-crystal EPR study [MS#4203, 28/11/2011]

MAO MAO & YUANMING PAN

Chromitite and platinum-group-element mineralization at Middle Arm Brook, central Advocate ophiolite complex, Baie Verte Peninsula, Newfoundland, Canada [MS#4134, 23/11/2011]

M. ESCAYOLA, G. GARUTI, F. ZACCARINI,  
J.A. PROENZA, J.H. BÉDARD & C. VAN STAAL

Eclarite, new data and interpretation [MS#4098, 15/11/2011]

D. TOPA, E. MAKOVICKY & H. DITTRICH

Origin of Ni-Co-Fe arsenide ores from Aghbar mine (Bou Azzer, Morocco): a two-stage process [MS#4176, 08/11/2011]

F. GERVILLA, I. FANLO, V. COLÁS & I. SUBÍAS

Tellurian canfieldite,  $\text{Ag}_8\text{Sn}(\text{S},\text{Te})_6$ , from Lengenbach quarry, Binntal, Canton Valais, Switzerland: occurrence, description and crystal structure [MS#4229, 08/11/2011]

L. BINDI, F. NESTOLA, A. GUASTONI, F. ZORZI, L. PERUZZO & T. RABER

Bismuth sulphosalts from the Banská Štiavnica - Hodruša ore field: mineralogy and chemical composition [MS#4166, 17/10/2011]

S. JELEŇ, J. PRŠEK, V.A. KOVALENKER, D. TOPA, D. OZDÍN & J. SEJKORA

Eldragónite,  $\text{Cu}_6\text{BiSe}_4(\text{S}_2)$ , a new polyselenide species, and its crystal structure, from the El Dragón mine, Potosí, Bolivia [MS#4174, 17/10/2011]

W.H. PAAR, M.A. COOPER, Y. MOËLO, C.J. STANLEY, H. PUTZ,  
D. TOPA, A.C. ROBERTS, J. STIRLING, J.G. RAITH & R. ROWE

Metal ordering and electrical conductivity of boulangerite, dadsonite and iodine-

pillaitite grown by chemical vapour transport [MS#4163, 12/10/2011]

R. KADEN, G. WAGNER & K. BENTE

The role of the lone electron pairs and  $\text{Fe}^{2+}$  in the high-pressure behaviour of berthierite [MS#4187, 01/10/2011]

B. PERIOTTO, T. BALIĆ-ŽUNIĆ & F. NESTOLA

Compositional and structural variations in columbite-group minerals from granitic pegmatites of Maine: differential trends in F-poor and F-rich environments [MS#4199, 29/09/2011]

M.A. WISE, C.A. FRANCIS & P. ČERNÝ

Ruthenian rutile and titanian  $\text{RuO}_2$  inclusions in isoferroplatinum nuggets, Finnish Lapland [MS#4168, 25/09/2011]

P. TUISKU

Angarfite,  $\text{NaFe}^{3+}_5(\text{PO}_4)_4(\text{OH})_4 \cdot 4\text{H}_2\text{O}$ , a new mineral from the Angarf South pegmatite, Morocco: description and crystal structure [MS#4185, 22/09/2011]

A.R. KAMPF, S.J. MILLS, R.M. HOUSLEY,  
G. FAVREAU, J.-C. BOULLIARD & V. BOURGOIN

Mineralogy and geochemistry of phosphates and silicates in the Sapucaia pegmatite, Minas Gerais, Brazil: genetic implications [MS#4201, 22/09/2011]

M. BAIJOT, F. HATERT & S. PHILIPPO

Bi-rich fahlore-group minerals from Rędziny, Lower Silesia, southwestern Poland [MS#4197, 20/09/2011]

B. GOŁĘBIOWSKA, A. PIECZKA & J. PARAFINIUK

Carlgieseckeite-(Nd),  $\text{NaNdCa}_3(\text{PO}_4)_3\text{F}$ , a new belovite-group mineral from the Ilímaussaq alkaline complex, South Greenland [MS#4167, 19/09/2011]

I. PEKOV, N.V. ZUBKOVA, T.A. HUSDAL, N.N. KONONKOVA,  
A.A. AGAKHANOV, A.E. ZADOV & D.YU. PUSHCHAROVSKY

Re-investigation of crystal structure of semseyite  $\text{Pb}_9\text{Sb}_8\text{S}_{21}$  [MS#4155, 19/09/2011]

Y. MATSUSHITA

Distinct domains in guarinite from Monte Somma, Italy: crystal structures and crystal chemistry [MS#4146, 19/09/2011]

M. BELLEZZA, S. MERLINO & N. PERCHIAZZI

Distinct domains in guarinite from Monte Somma, Italy: microstructural evidence [MS#4147, 19/09/2011]

A. GENOVESE, M. MELLINI & S. MERLINO

Mineralogy of the Fe-As-Sb weathering products in mine wastes and soils at several Sb deposits in Slovakia [MS#4165, 17/09/2011]

B. LALINSKÁ, J. MAJZLAN, T. KLIMKO, M. CHOVAN, G. KUČEROVÁ,  
J. MICHŇOVÁ, R. HOVORIČ, J. GÖTTLICHER & R. STEININGER

The F-rich xenotime from the Nb-Ta-Sn Madeira world-class deposit associated to the albite-enriched granite at Pitinga (Amazonian, Brazil) [MS#4175, 22/09/2011]

A.C. PIRES, A.C. BASTOS NIETO, V.P. PEREIRA, L. BARBANSON & A. CHAUVET

Mineralogy of the Fe-As-Sb weathering products in mine wastes and soils at several Sb deposits in Slovakia [MS#4165, 31/08/2011]

B. LALINSKÁ, J. MAJZLAN, T. KLIMKO, M. CHOVAN, G. KUČEROVÁ,  
J. MICHŇOVÁ, R. HOVORIČ, J. GÖTTLICHER & R. STEININGER

A re-investigation of "dognácskaite" [MS#4171, 25/08/2011]

G. PAPP, A.J. CRIDDLE & C.J. STANLEY

Lead-antimony sulfosalts from Tuscany (Italy). XII. Boscardinite,  $\text{TiPb}_4(\text{Sb}_7\text{As}_2)_{\Sigma=9}\text{S}_{18}$ , a new mineral from the Monte Arsiccio mine (Tuscany, Italy): occurrence and crystal structure [MS#4144, 18/08/2011]

P. ORLANDI, C. BIAGIONI, E. BONACCORSI, Y. MOËLO & W. PAAR

The crystal structure and genesis of krennerite,  $\text{Au}_3\text{AgTe}_8$  [MS#4152, 16/08/2011]

M.D. DYE & J.R. SMYTH

Pseudorutile in the Baraboo Range, Wisconsin: first recognition of metamorphic pseudorutile [MS#4200, 15/08/2011]

L.G. MEDARIS JR. & J.H. FOURNELLE

Quasi-stoichiometric arsenopyrite, FeAsS, from La Roche-Balue quarry (Loire-Atlantique, France): crystal structure and Mössbauer study [MS#4143, 08/08/2011]

L. BINDI, Y. MOËLO, P. LEONE & M. SUCHAUD

Hydrothermal alteration of komatiites in the southwestern Abitibi greenstone belt: from serpentine to carbonates to chromian muscovite [MS#4158, 08/08/2011]

E.S. SCHANDL & M.P. GORTON

Minerals of the cuprobismutite homologous series in granitic pegmatite from Szklarska Poręba, Karkonosze massif, southwestern Poland: a crystallochemical study [MS#4150, 31/07/2011]

A. PIECZKA & B. GOŁĘBIOWSKA

Facies variability of PGE mineralization at the Central Platreef, Bushveld Complex [MS#4131, 24/07/2011]

M. YUDOVSKAYA, J. KINNAIRD, A.J. NALDRETT,  
A. MOKHOV, I. McDONALD & C. REINKE

The plumose boulangerite from Bottino (Apuan Alps, Italy): crystal structure, OD character and twinning [MS#4170, 21/07/2011]

G. VENTRUTI, F. STASI, D. PINTO, F. VURRO & M. RENNA

Cordylite-(La), a new mineral from the Biraya Fe-REE deposit, Irkutsk, Russia [MS#4149, 20/07/2011]

S.J. MILLS, P.M. KARTASHOV, A.R. KAMPF,  
A.A. KONEV, A.A. KONEVA & M. RAUDSEPP

Cuproneite,  $\text{Cu}_7\text{Pb}_{27}\text{Bi}_{25}\text{S}_{68}$ , a new mineral from Băița Bihor, Romania [MS#4140, 13/07/2011]

G. ILINCA, E. MAKOVICKY, D. TOPA & G. ZAGLER

Predicting process outcome for Sudbury platinum-group minerals using grade-recovery modeling from mineral liberation analyzer (MLA) data [MS#4142, 12/07/2011]

F.D. FORD, C.R. WERCHOLAZ & A. LEE

The crystal structure of  $\text{Sn}_{12}\text{In}_{19}(\text{Se},\text{S})_{41}$ . Structures and classification of indium sulfosalts [MS#4139, 07/07/2011]

D. TOPA & E. MAKOVICKY

The crystal structure of (Cd,In)-rich cannizzarite from Kudriavy volcano, Iturup Island, Kuriles, Russia [MS#4145, 03/01/2012]

S.V. BORISOV, N.V. PERVUKHINA, S.A. MAGARILL,  
N.V. KURATIEVA, I.A. BRYZGALOV, N.N. MOZGOVA & I.V. CHAPLYGIN

Crystal structure of roxbyite,  $\text{Cu}_{228}\text{S}_{128}$  [MS#4148, 07/07/2011]

W.G. MUMME & R.W. GABLE

The Pt-Hg-Se system at 400°C: phase relations of jacutingaite [MS#4157, 07/07/2011]

M. DRABEK, A. VYMAZALOVÁ & A.R. CABRAL

Jacutingaite,  $\text{Pt}_2\text{HgSe}_3$ , a new platinum-group mineral from the Cauê iron-ore deposit, Itabira District, Minas Gerais, Brazil [MS#4153, 07/07/2011]

A. VYMAZALOVÁ, F. LAUFEK, M. DRÁBEK, A.R. CABRAL, J. HALODA,  
T. SIDORINOVÁ, B. LEHMANN, H.F. GALBIATTI & J. DRAHOKOUPIL

The Lengshuiqing Ni-Cu deposit, Sichuan, SW China: ore characteristics and genesis [MS#4092, 14/06/2011]

M. MUNTEANU, A.H. WILSON, YONG YAO,  
G. CHUNETT, YAONAN LUO & S. SIBANDA

Mineralogy and geochemistry of platinum-rich chromitites from the mantle-crust transition zone at Ouen Island, New Caledonia ophiolite [MS#4109, 27/11/2011]

J.M. GONZÁLEZ-JIMÉNEZ, T. AUGÉ, F. GERVILLA,  
L. BAILLY, J.A. PROENZA & W.L. GRIFFIN

Origin of platinum-group minerals in mafic-ultramafic intrusive rocks: from dispersed elements to nuggets [MS#4106, 05/06/2011]

A.V. OKRUGIN

Galmoenan massif (Kamchatka, Russia): geology, PGE mineralisation, applied mineralogy and beneficiation [MS#4105, 17/05/2011]

YU.V. NAZIMOVA, V.P. ZAYTSEV & S.V. PETROV

Re-Os and S isotope constraints on timing and source heterogeneity of PGE-Cu-Ni sulfide ores: a case study at the Talnakh ore junction, Noril'sk Province, Russia [MS#4093, 27/11/2011]

K.N. MALITCH & R.M. LATYPOV

Mineralogy of unusual precious metal enriched massive sulfide occurrences in the Voisey's Bay Ni-Cu-Co ovoid deposit, Labrador [MS#4121, 30/04/2011]

M.A. KELVIN, P.J. SYLVESTER & L.J. CABRI

Mineralogical and geochemical characteristics of Pt-Cu-Ni ores of the Maslovskoe deposit in the Norilsk area, Russia [MS#4113, 27/04/2011]

N.A. KIVOLUTSKAYA, B.I. GONGALSKIY, T.B. SHLYCHKOVA,  
A.A. YUSHIN, N.N. KONONKOVA & I.N. TUSHENTSOVA

Unusual platinum-group elements (PGE)-rich chromitite in the Butyrin vein of the Kytlym Ural-Alaskan complex (northern Urals) [MS#4112, 26/04/2011]

F. ZACCARINI, G. GARUTI & E.V. PUSHKAREV

The Pd-Pb-Te system: pašavaite phase relations, experimental approach [MS#4111, 21/03/2011]

A. VYMAZALOVÁ & M. DRÁBEK

Detailed assessment of platinum-group minerals associated with chromitite stringers in the Merensky Reef of the Eastern Bushveld Complex, South Africa [MS#4108, 29/04/2011]

D. ROSE, F. VILJOEN, M. KNOPER & H. RAJESH

Törnroosite, Pd<sub>11</sub>As<sub>2</sub>Te<sub>2</sub>, a new mineral species related to isomertieite from Miessijoki, Finnish Lapland, Finland [MS#4122, 02/11/11]

K.K. KOJONEN, A.M. McDONALD, C.J. STANLEY & B. JOHANSON

Evolution of the Cínovec (Zinnwald) granite cupola, Czech Republic: composition of feldspars and micas, a clue to the origin of W, Sn mineralization [MS#4066, 09/12/2010]

Z. JOHAN, L. STRNAD & V. JOHAN

Disequilibrium processes during granulite to amphibolite retrogression in the Hwacheon granulite complex, Korea [MS#3942, 17/11/2010]

KEEWOOK YI & MOONSUP CHO

Self-similar pattern of crystal growth from heterogeneous magmas: 3D depiction of LA-ICP-MS data [MS#4079, 16/11/2010]

E. SŁABY, M. ŚMIGIELSKI, A. DOMONIK & L. GALBARCZYK-GASIOROWSKA

Cupromakopavonite,  $Cu_8Ag_3Pb_4Bi_{19}S_{38}$ , and the cupropavonite homologous series [MS#4083, 02/11/2010]

D. TOPA, E. MAKOVICKY, G. ILINCA & H. DITTRICH

Uvite,  $Ca Mg_3 (Al_5Mg) Si_6 O_{18} (BO_3)_3 (OH)_3 (OH)$ , a new mineral of the tourmaline group from the Brumado mine, Bahia, Brazil: description and crystal structure [MS#4078, 31/10/2010]

C.M. CLARK, F.C. HAWTHORNE & J.D. GRICE

Chromite, base metal sulfides and PGM mineralization in the Burakovsky layered intrusion, Karelia [MS#4075, 24/10/2010]

L. BAILLY, T. AUGÉ, N. TROFIMOV, A. GOLUBEV, A. TKACHEV & S. CHERKASOV

The mafic silicate - phosphate buffer in peraluminous magmas: a case study from pegmatites in the Pocho District, Córdoba, Argentina [MS#4071, 11/10/2010]

F. COLOMBO, J. SFRAGULLA & J. GONZÁLEZ DEL TÁNAGO

The system Fe-Nb-S and its geological implications [MS#4052, 15/09/2010]

M. DRÁBEK, J. HYBLER, M. RIEDER & V. BÖHMOVÁ

Mantle xenocrysts from the Masontown, Pennsylvania (USA) kimberlite: an ordinary mantle with Si-enriched spinels [MS#4042, 10/08/2010]

D.J. SCHULZE & B.C. HEARN JR.

Nanoscale behaviors of metamict thorite in heating experiments (with special reference to application in geochronology) [MS#4033, 07/07/2010]

H. HAYASHI & J. AKAI

Distribution and evolution of Zr mineralization in peralkaline granites and associated pegmatites of the Khan Bogd complex, southern Mongolia [MS#4022, 05/07/2010]

J. KYNICKY, A.R. CHAKHMOURADIAN, L. KRMICEK,  
XU CHENG & M. KRMICKOVA HALAVONOVA

Platinum-group minerals (PGM) and other accessory minerals in Co-rich manganese crusts: possible accumulation by a placer mechanism [MS#4017, 17/06/2010]

M.P. TOROKHOV, G.P. GLASBY & M.E. MELNIKOV

Trace-element characteristics of vesuvianite from the metasomatic reaction zone of the Hirao limestone, in Japan [MS#3931, 17/12/2009]

M. FUKUYAMA, M. OGASAWARA, H. SATO, D. ISHIYAMA & T. NISHIYAMA

Spinel composition, PGE geochemistry and mineralogy of the chromitites from the Vourinos ophiolite complex, northwestern Greece [MS#3919, 27/12/2011]

T. GRAMMATIKOPOULOS, A. KAPSIOTIS, B. TSIKOURAS,  
K. HATZIPANAGIOTOU, F. ZACCARINI & G. GARUTI

Characterization of chevkinite-(Ce) in pegmatites associated with an alkali syenite - pyroxenite association from southern India [MS#3906, 07/10/2009]

H.M. RAJESH & J. AKAI

Gold-PGE deposit hosted in sheared peraluminous granite in the Buraco do Ouro gold mine, Cavalcante, Goiás State, Brazil: ore characterization and textural relationships among gold, selenides, PGE minerals, and uraninite [MS#3895, 06/07/2009]

J. MENEZ & N.F. BOTELHO