Click on blue publication title for link to publisher DOI entry. Visit DCO Publications Browser for a complete, searchable DCO bibliography. Contact Jennifer Mays with any additions, corrections or questions.


Gavryushkin PN, Bakakin VV, Bolotina NB, Shatskiy A, Seryotkin YV, Litasov K (2014) Synthesis and crystal structure of new carbonate Ca3Na2(CO3)4 homeotypic with orthoborates M3Ln2(BO3)4 (M=Ca, Sr, Ba). Crystal Growth & Design 14:4610-4616


Ghiorso MS, Gualda GAR (2015) An H2O–CO2 mixed fluid saturation model compatible with rhyolite-MELTS. Contributions To Mineralogy and Petrology 169(53)


Hazan RM (2010) How Old is Earth, and How Do We Know?. Evolution: Education and Outreach 3(2):198-205


Hong WL, Etiope G, Yang TF, Chang PY (2013) Methane flux from miniseepage in mud volcanoe of SW Taiwan: Comparison with the data from Italy, Romania, and Azerbaijan. Journal of Asian Earth Sciences 65:3-12


Li YL, Cole D, Konhauser KO, Chan LS (2013) Quartz nanocrystals in the 2.48 Ga Dales Gorge banded iron formation of Hamersley, Western Australia: Evidence for a change from submarine to subaerial volcanism at the end of the Archean. American Mineralogist 98(4):582-587

Li YL, Konhauser KO, Cole D, Phelps TJ (2011) Mineral ecophysiological data provide growing evidence for microbial activity in banded-iron formations. Geology 39(8):707-710


Litasov K, Sharygin IS, Shatskiy A, Gavryushkin PN, Dorogokupets PI, Sokolova TS, Ohtani E, Dymshits AM, Alifirova TA (2013) P-V-T equations of state for iron carbides Fe3C and Fe7C3 and their relationships under the conditions of the Earth’s mantle and core. Doklady Earth Sciences 453(2):1269-1273


Mackintosh S, Ballentine C (2012) Using 3He/4He isotope ratios to identify the source of deep reservoir contributions to shallow fluids and soil gas. Chemical Geology 304-305:142-150


Malaspina N, Langenhorst F, Fumagalli P, Tumiati S, Poli S (2012) Fe3 distribution between garnet and pyroxenes in mantle wedge carbonate-bearing garnet peridotites (Sulu, China) and implications for their oxidation state. Lithos 146-147:11-17


Shatskiy A, Rashchenko SV, Ohtani E, Litasov K, Khlestov MV, Borzdov YM, Kupriyanov IN, Sharygin IS, Palyanov YN (2014) *The system Na2CO3-FeCO3 at 6 GPa and its relation to the system Na2CO3-FeCO3-MgCO3*. American Mineralogist 100(1):130-137


Shirey S, Shigley JE (2013) Recent advances in understanding the geology of diamonds. Gems & Gemology 49(4):188-222


Smith JA, Onstott T (2011) "Follow the Water": Steve Squyres and the Mars Exploration Rovers. Journal of the Franklin Institute 348(3):446-452


Tolstikhin I, Skiba VI, Sevost'yanov AY, Kamensky IL, Vetrin VR (2014) Residence sites and origin of noble gases in minerals as exemplified by ilmenite from the alkaline granites of the Kola Peninsula. Geochemistry International 52(12):1049-1056


Zhuang GC, Lin YS, Elvert M, Heuer V, Hinrichs KU (2014) **Gas chromatographic analysis of methanol and ethanol in marine sediment pore waters: Validation and implementation of three pretreatment techniques.** Marine Chemistry 160:82-90

Zhuravlev KK, Goncharov A, Tkachev SN, Dera P, Prakapenka VB (2013) **Vibrational, elastic, and structural properties of cubic silicon carbide under pressure up to 75 GPa: Implication for a primary pressure scale.** Journal of Applied Physics 113(11):113503