

European Journal of Mineralogy

No. 2/2017

Contents

X.-Y. SUN, P. CORDIER, V. TAUPIN, C. FRESSENGEAS, B.B. KARKI. – Continuous description of grain boundaries using crystal defect fields: the example of a $\{3\ 1\ 0\}/[0\ 0\ 1]$ tilt boundary in MgO.....	155
B.L. MUELLER, D.M. JENKINS, M.D. DYAR. – Chlorine incorporation in amphiboles synthesized along the magnesio-hastingsite–hastingsite compositional join.....	167
P. LANARI, F. GIUNTOLI, C. LOURY, M. BURN, MARTIN ENGI. – An inverse modeling approach to obtain P – T conditions of metamorphic stages involving garnet growth and resorption.....	181
E. BALAN, M. BLANCHARD, M. LAZZERI, J. INGRIN. – Theoretical Raman spectrum and anharmonicity of tetrahedral OH defects in hydrous forsterite.....	201
S. AZEVEDO, M. NESPOLO. – Twinning in olivine group revisited.....	213
A. ZUCCHINI, M. PRENCIPE, D. BELMONTE, P. COMODI. – <i>Ab initio</i> study of the dolomite to dolomite-II high-pressure phase transition.....	227
M. KUTZSCHBACH, B. WUNDER, A. MEIXNER, R. WIRTH, W. HEINRICH, G. FRANZ. – Jeremejevite as a precursor for olenitic tourmaline: consequences of non-classical crystallization pathways for composition, textures and B isotope patterns of tourmaline.....	239
M. LENSING-BURGDORF, A. WATENPHUL, J. SCHLÜTER, B. MIHAILOVA. – Crystal chemistry of tourmalines from the Erongo Mountains, Namibia, studied by Raman spectroscopy.....	257
M.V. CHARYKOVA, M.I. LELET, V.G. KRIVOVICHEV, N.M. IVANOVA, E.V. SULEIMANOV. – A calorimetric and thermodynamic investigation of the synthetic analogue of chalcocite, $\text{CuSeO}_3 \cdot 2\text{H}_2\text{O}$	269
C. BIAGIONI, L. BINDI. – Ordered distribution of Cu and Ag in the crystal structure of balkanite, $\text{Cu}_9\text{Ag}_5\text{HgS}_8$	279
O. VALLCORBA, L. CASAS, F. COLOMBO, C. FRONTERA, J. RIUS. – First terrestrial occurrence of the complex phosphate chladniite: crystal-structure refinement by synchrotron through-the-substrate microdiffraction.....	287
T.L. PANIKOROVSKII, V.V. SHILOVSKIKH, E.YU. AVDONTSEVA, A.A. ZOLOTAREV, I.V. PEKOV, S.N. BRITVIN, U. HÄLENIUS, S. KRIVOVICHEV. – Cyprine, $\text{Ca}_{19}\text{Cu}^{2+}(\text{Al,Mg,Mn})_{12}\text{Si}_{18}\text{O}_{69}(\text{OH})_9$, a new vesuvianite-group mineral from the Wessels mine, South Africa.....	295
S.J. MILLS, A.G. CHRISTY, M.S. RUMSEY, J. SPRATT, E. BITTARELLO, G. FAVREAU, M.E. CIRIOTTI, C. BERBAIN. – Hydroxyferroméite, a new secondary weathering mineral from Oms, France.....	307
A.R. KAMPF, I.E. GREY, P. ALVES, S.J. MILLS, B.P. NASH, C.M. MACRAE, E. KECK. – Zincostrunzite, $\text{ZnFe}^{3+}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 6.5\text{H}_2\text{O}$, a new mineral from the Sitio do Castelo mine, Portugal, and the Hagendorf-Süd pegmatite, Germany.....	315
I.V. PEKOV, N.V. ZUBKOVA, A.A. AGAKHANOV, V.O. YAPASKURT, N.V. CHUKANOV, D.I. BELAKOVSKIY, E.G. SIDOROV, D.Y. PUSHCHAROVSKY. – Dravertite, $\text{CuMg}(\text{SO}_4)_2$, a new mineral species from the Tolbachik volcano, Kamchatka, Russia.....	323
IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) – Newsletter 36.....	339