

Biom mineralization and biomimetic materials

A.R. NAVARRO, W. SCHMAHL, M. PRIETO. – Biom mineralization and biomimetic materials.....	455
T. PROZOROV, T. PEREZ-GONZALEZ, C. VALVERDE-TERCEDOR, C. JIMENEZ-LOPEZ, A. YEBRA-RODRIGUEZ, A. KÖRNIG, D. FAIVRE, S.K. MALLAPRAGADA, P.A. HOWSE, D.A. BAZYLINSKI, R. PROZOROV. – Manganese incorporation into the magnetosome magnetite: magnetic signature of doping.....	457
R. HOFFMANN, A.S. WOCHNIK, C. HEINZL, S.B. BETZLER, S. MATICH, E. GRIESSHABER, H. SCHULZ, M. KUČERA, J.R. YOUNG, C. SCHEU, W.W. SCHMAHL. – Nanoprobe crystallographic orientation studies of isolated shield elements of the coccolithophore species <i>Emiliana huxleyi</i>	473
Y. DAUPHIN, J.-P. CUIF, M. SALOME. – Structure and composition of the aragonitic shell of a living fossil: <i>Neotrigonia</i> (Mollusca, Bivalvia)	485
A.G. CHECA, C.M. PINA, A.J. OSUNA-MASCARÓ, A.B. RODRÍGUEZ-NAVARRO, E.M. HARPER. – Crystalline organization of the fibrous prismatic calcitic layer of the Mediterranean mussel <i>Mytilus galloprovincialis</i>	495
A. PÉREZ-HUERTA, J.-P. CUIF, Y. DAUPHIN, M. CUSACK. – Crystallography of calcite in pearls	507
H. LEEMREIZE, J.R. ELTZHOLTZ, H. BIRKEDAL. – Lattice macro and microstrain fluctuations in the calcified byssus of <i>Anomia simplex</i>	517
M. SANCHO-TOMÁS, S. FERMANI, J. GÓMEZ-MORALES, G. FALINI, J.M. GARCÍA-RUIZ. – Calcium carbonate bio-precipitation in counter-diffusion systems using the soluble organic matrix from nacre and sea-urchin spine.....	523
A. RAO, J.K. BERG, M. KELLERMEIER, D. GEBAUER. – Sweet on biom mineralization: effects of carbohydrates on the early stages of calcium carbonate crystallization	537

Other articles

C. CHOPIN, T. ARMBRUSTER, E.S. GREW, A. BARONNET, C. LEYX, O. MEDENBACH. – The triplite–triploidite supergroup: structural modulation in wagnerite, discreditation of magniotriplite, and the new mineral hydroxylwagnerite	553
H. FRIIS, A.O. LARSEN, A.R. KAMPF, R.J. EVANS, R.S. SELBEKK, A.A. SÁNCHEZ, J. KIHLE. – Peterandresenite, Mn ₄ Nb ₆ O ₁₉ · 14H ₂ O, a new mineral containing the Lindqvist ion from a syenite pegmatite of the Larvik Plutonic Complex, southern Norway	567
I.V. PEKOV, N.V. ZUBKOVA, J. GÖTTLICHER, V.O. YAPASKURT, N.V. CHUKANOV, I.S. LYKOVA, D.I. BELAKOVSKIY, M.C. JENSEN, J.F. LEISING, A.J. NIKISCHER, D.Y. PUSHCHAROVSKY. – Whitecapsite, a new hydrous iron and trivalent antimony arsenate mineral from the White Caps mine, Nevada, USA.....	577
N.V. CHUKANOV, G. MÖHN, I.V. PEKOV, D.I. BELAKOVSKIY, Y.V. BYCHKOVA, V.V. GURZHIY, J.A. LORENZ. – Okruschite, Ca ² Mn ²⁺ ₅ Be ₄ (AsO ₄) ₆ (OH) ₄ · 6H ₂ O, a new roscherite-group mineral from Sailauf, Bavaria, Germany.....	589
I.V. PEKOV, O.I. SIIDRA, N.V. CHUKANOV, V.O. YAPASKURT, D.I. BELAKOVSKIY, M.N. MURASHKO, E.G. SIDOROV. – Kaliochalcite, KCu ₂ (SO ₄) ₂ [(OH)(H ₂ O)], a new tsumcorite-group mineral from the Tolbachik volcano, Kamchatka, Russia.....	597