

- *Mass-transfer and supersaturation in crystal growth in gels*
M. Prieto, C. Viedma, V. López-Acevedo, J.L. Martín-Vivaldi y S. López-Andrés
JOURNAL OF CRYSTAL GROWTH, 92, 61-68 (1988)
- *Supersaturation evolution and first precipitate location in crystal growth in gels. Application to barium and strontium carbonates.*
M. Prieto, L. Fernández-Díaz y S. López-Andrés.
JOURNAL OF CRYSTAL GROWTH, 98, 447-460 (1989)
- *Factors controlling the kinetics of crystallization: Supersaturation evolution in a porous medium. Application to barite crystallization.*
M. Prieto, A. Putnis, L. Fernández-Díaz
GEOLOGICAL MAGAZINE, 127 (6), 485-495(1990)
- *Spatial and evolutionary aspects of nucleation in diffusing-reacting systems*
M. Prieto, L. Fernández-Díaz, S. López-Andrés.
JOURNAL OF CRYSTAL GROWTH, 108, 770-778 (1991)
- *Experimentally produced oscillatory zoning in the (Ba,Sr)SO₄ solid solution*
A.Putnis, L. Fernández-Díaz & M. Prieto
NATURE, VOL. 358, Nº 6389, 743-745 (1992)
- *Ontogeny of barite crystals grown in a porous medium*
M. Prieto, A.Putnis, J.G. Arribas & L. Fernández-Díaz
MINERALOGICAL MAGAZINE, VOL. 56, 587-598 (1992)
- *Crystallization of solid solutions from aqueous solutions in a porous medium: zoning in (Ba,Sr)SO₄*
M.Prieto, A. Putnis & L.Fernández-Díaz
GEOLOGICAL MAGAZINE 130 (3), (1993). 289-299.
- *Metastability in diffusing-reacting systems*
M.Prieto, L. Fernández-Díaz, S. López-Andrés and A. Putnis
J. CRYSTAL GROWTH 140, 342-353 (1994)
- *Crystallization of lithium salts from aqueous solutions and gels: Characterization of the medium by Raman Spectroscopy*
F. Rull, F. Sobrón and M. Prieto
J. DE PHYSIQUE, C2, vol 4, 47-51 (1994)
- *Growth of β-LiNaSO₄ and Li₂SO₄·H₂O: Epitaxy and intergrowth phenomena*
C. M. Pina, L. Fernández-Díaz, J. López-García and M. Prieto
J. CRYSTAL GROWTH, 148, 283-288 (1995)
- *Fluid supersaturation and crystallization in porous media*
A.Putnis, M. Prieto & L. Fernández-Díaz
GEOLOGICAL MAGAZINE, 132, 1-13 (1995)
- *Epitaxial overgrowth of LiKSO₄ on β-K₂SO₄ single crystals*
S. López-Andrés, M.J. Suarez and M. Prieto
CRYSTAL RESEARCH AND TECHNOLOGY, 30, 775-783 (1995)
- *Topotaxy relationships in the transformation phosgenite-cerussite*
C. Pina, L. Fernández-Díaz & M. Prieto
J. CRYSTAL GROWTH, 158, 340-345 (1995)
- *Formation of primary fluid inclusions under influence of the hydrodynamic environment*
M. Prieto, A. Paniagua & C. Marcos
European Journal of Mineralogy 8, 987-996 (1996)
- *The role of magnesium in the crystallization of calcite and aragonite in a porous medium*
L. Fernández-González, A. Putnis, M. Prieto & C.V. Putnis
Journal of SEDIMENTARY RESEARCH 66, 482-491 (1996)
- *Characterization of synthetic BaCO₃-SrCO₃ (witherite-strontianite) solid solutions by Fourier transform infrared spectroscopy*
M.E. Böttcher, P. Gehlken, A. Fernández-González& M. Prieto
European Journal of Mineralogy 9, 519-528 (1997)

- Nucleation, growth, and zoning phenomena in crystallizing $(Ba,Sr)CO_3$, $Ba(SO_4, CrO_4)$, $(Ba,Sr)SO_4$, and $(Cd,Ca)CO_3$ solid solutions from aqueous solutions
M. Prieto, A. Fernández-González, A. Putnis, L. Fernández-Díaz
GEOCHIMICA ET COSMOCHIMICA ACTA 61, 3383-3397 (1997)
- Crystallization of β - $LiNH_4SO_4$ and $(NH_4)_2SO_4$ in gels: growth morphology and epitaxy phenomena
C.M. Pina, L. Fernández-Díaz, M. Prieto
JOURNAL OF CRYSTAL GROWTH 177, 102-110 (1997)
- Microtopography of the barite (001) face during growth: AFM observations and PBC theory
C.M. Pina, D. Bosbach, M. Prieto, A. Putnis
JOURNAL OF CRYSTAL GROWTH 187, 119-125 (1998)
- Molecular-scale mechanisms of crystal growth in barite
C. M. Pina, U. Becker, P. Risthaus, D. Bosbach, and A. Putnis
NATURE 395, 483-486 (1998)
- Fourier Transform Raman spectroscopic study of $Ba(SO_4)_{SUB>x}(CrO_4)_{1-x}$ solid solution
J.M. Alía, H.G.M. Edwards, A. Fernández-González, M. Prieto
JOURNAL OF RAMAN SPECTROSCOPY 30, 105-114 (1999)
- Concentric zoning patterns in crystallising $(Cd,Ca)CO_3$ solid solutions from aqueous solutions
A. Fernández-González, M. Prieto, A. Putnis, S. López-Andrés.
MINERALOGICAL MAGAZINE 63, 331-343 (1999)
- Crystallisation of $Ba(SO_4, CrO_4)$ solid solutions from aqueous solutions
A. Fernández-González, R. Martín-Díaz, M. Prieto
JOURNAL OF CRYSTAL GROWTH 200, 227-235 (1999)
- In situ AFM observations of the phosgenite-cerussite transformation
C.M. Pina, L. Fernández-Díaz, M. Prieto, A. Putnis
GEOCHIMICA ET COSMOCHIMICA ACTA 64, 215-221 (2000)
- Computing Lippmann diagrams from direct calculation of mixing properties of solid solutions: Application to the barite-celestite system
M. Prieto, U. Becker, A. Fernández-González, and A. Putnis
AQUATIC GEOCHEMISTRY 6, 133-146 (2000)
- A direct calculation of the thermodynamic properties of the barite-celestite system from molecular principles
U. Becker, A. Fernández-González, M. Prieto, R. Harrison, A. Putnis
PHYSICS AND CHEMISTRY OF MINERALS 27, 291-300 (2000)
- Diffusion of dissolved toxic metals through mineral-hydrogel composites: A laboratory simulation of water-rock interactions
M. Prieto, A. Fernández-González, and R. Martín-Díaz
In: EURESCO Conference on MINERAL SURFACE REACTIVITY (Putnis and Dove eds.), 76-79 (2000)