

Boaz Pokroy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7410808/publications.pdf>

Version: 2024-02-01

125
papers

5,188
citations

81743

39
h-index

95083

68
g-index

130
all docs

130
docs citations

130
times ranked

5916
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | On the mechanism of calcium carbonate polymorph selection <i>via</i> confinement. Faraday Discussions, 2022, 235, 433-445. | 1.6 | 4 |
| 2 | Adsorption of SARS CoV-2 spike proteins on various functionalized surfaces correlates with the high transmissibility of Delta and Omicron variants. Materials Today Bio, 2022, 14, 100265. | 2.6 | 6 |
| 3 | High-Mg calcite nanoparticles within a low-Mg calcite matrix: A widespread phenomenon in biomineralization. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120177119. | 3.3 | 10 |
| 4 | Disorder and Confinement Effects to Tune the Optical Properties of Amino Acid Doped Cu₂O Crystals. Advanced Functional Materials, 2022, 32, . | 7.8 | 4 |
| 5 | Tuning the Magnetization of Manganese (II) Carbonate by Intracrystalline Amino Acids. Advanced Materials, 2022, 34, . | 11.1 | 5 |
| 6 | Molecular and skeletal fingerprints of scleractinian coral biomineralization: From the sea surface to mesophotic depths. Acta Biomaterialia, 2021, 120, 263-276. | 4.1 | 27 |
| 7 | Biofabrication of Nanocelluloseâ€“Mycelium Hybrid Materials. Advanced Sustainable Systems, 2021, 5, 2000196. | 2.7 | 24 |
| 8 | Climate variation during the Holocene influenced the skeletal properties of Chamelea gallina shells in the North Adriatic Sea (Italy). PLoS ONE, 2021, 16, e0247590. | 1.1 | 2 |
| 9 | Long-term stabilized amorphous calcium carbonateâ€”an ink for bio-inspired 3D printing. Materials Today Bio, 2021, 11, 100120. | 2.6 | 9 |
| 10 | Structural and chemical variations in Mg-calcite skeletal segments of coralline red algae lead to improved crack resistance. Acta Biomaterialia, 2021, 130, 362-373. | 4.1 | 6 |
| 11 | Self-catalytic growth of one-dimensional materials within dislocations in gold. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 2 |
| 12 | Sclerites of the soft coral <i>Ovabunda macrospiculata</i> (Xeniidae) are predominantly the metastable CaCO ₃ polymorph vaterite. Acta Biomaterialia, 2021, 135, 663-670. | 4.1 | 1 |
| 13 | Retention of surface structure causes lower density in atomic layer deposition of amorphous titanium oxide thin films. Physical Chemistry Chemical Physics, 2021, 23, 6600-6612. | 1.3 | 4 |
| 14 | Coral micro- and macro-morphological skeletal properties in response to life-long acclimatization at CO ₂ vents in Papua New Guinea. Scientific Reports, 2021, 11, 19927. | 1.6 | 10 |
| 15 | Selfâ€“Propulsion of Droplets via Lightâ€“Stimuli Rapid Control of Their Surface Tension. Advanced Materials Interfaces, 2021, 8, 2100751. | 1.9 | 13 |
| 16 | Experimental and Theoretical Insights into the Bioinspired Formation of Disordered Baâ€“Calcite. Advanced Functional Materials, 2020, 30, 1805028. | 7.8 | 6 |
| 17 | Acidic Monosaccharides become Incorporated into Calcite Single Crystals**. Chemistry - A European Journal, 2020, 26, 16860-16868. | 1.7 | 17 |
| 18 | Modifying hydrophilic properties of polyurethane acryl paint substrates by atomic layer deposition and self-assembled monolayers. RSC Advances, 2020, 10, 34333-34343. | 1.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Bioinspired Molecular Bridging in a Hybrid Perovskite Leads to Enhanced Stability and Tunable Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2005136. | 7.8 | 10 |
| 20 | Strong Band Gap Blueshift in Copper (I) Oxide Semiconductor via Bioinspired Route. <i>Advanced Functional Materials</i> , 2020, 30, 1910405. | 7.8 | 17 |
| 21 | Additives Control the Stability of Amorphous Calcium Carbonate via Two Different Mechanisms: Surface Adsorption versus Bulk Incorporation. <i>Advanced Functional Materials</i> , 2020, 30, 2000003. | 7.8 | 49 |
| 22 | High Amino Acid Lattice Loading at Nonambient Conditions Causes Changes in Structure and Expansion Coefficient of Calcite. <i>Chemistry of Materials</i> , 2020, 32, 4205-4212. | 3.2 | 14 |
| 23 | Helical Microstructures of the Mineralized Coralline Red Algae Determine Their Mechanical Properties. <i>Advanced Science</i> , 2020, 7, 2000108. | 5.6 | 11 |
| 24 | Incorporation of organic and inorganic impurities into the lattice of metastable vaterite. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2696-2703. | 3.0 | 12 |
| 25 | Surface reconstruction causes structural variations in nanometric amorphous Al ₂ O ₃ . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14887-14891. | 1.3 | 4 |
| 26 | Effect of Surface Chemistry on Incorporation of Nanoparticles within Calcite Single Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 4429-4435. | 1.4 | 14 |
| 27 | Lattice Shrinkage by Incorporation of Recombinant Starmaker-Like Protein within Bioinspired Calcium Carbonate Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 12658-12658. | 1.7 | 0 |
| 28 | From spinodal decomposition to alternating layered structure within single crystals of biogenic magnesium calcite. <i>Nature Communications</i> , 2019, 10, 4559. | 5.8 | 36 |
| 29 | A fungal mycelium templates the growth of aragonite needles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5725-5731. | 2.9 | 10 |
| 30 | Retinoic acid/calcite micro-carriers inserted in fibrin scaffolds modulate neuronal cell differentiation. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5808-5813. | 2.9 | 11 |
| 31 | Superhydrophobic Wax Coatings for Prevention of Biofilm Establishment in Dairy Food. <i>ACS Applied Bio Materials</i> , 2019, 2, 4932-4940. | 2.3 | 13 |
| 32 | A hydrated crystalline calcium carbonate phase: Calcium carbonate hemihydrate. <i>Science</i> , 2019, 363, 396-400. | 6.0 | 153 |
| 33 | Lattice Shrinkage by Incorporation of Recombinant Starmaker-Like Protein within Bioinspired Calcium Carbonate Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 12740-12750. | 1.7 | 20 |
| 34 | Structure and Morphology of Light-Reflecting Synthetic and Biogenic Polymorphs of Isoxanthopterin: A Comparison. <i>Chemistry of Materials</i> , 2019, 31, 4479-4489. | 3.2 | 12 |
| 35 | Thickness dependence of the physical properties of atomic-layer deposited Al ₂ O ₃ . <i>Journal of Applied Physics</i> , 2019, 125, . | 1.1 | 14 |
| 36 | Selective Deposition of Platinum by Atomic Layer Deposition Using Terraced Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8770-8776. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Non-stoichiometric hydrated magnesium-doped calcium carbonate precipitation in ethanol. <i>Chemical Communications</i> , 2019, 55, 12944-12947. | 2.2 | 8 |
| 38 | Photocatalytic activity of exfoliated graphite@TiO ₂ nanoparticle composites. <i>Nanoscale</i> , 2019, 11, 19301-19314. | 2.8 | 18 |
| 39 | Strong Quantum Confinement Effects and Chiral Excitons in Bio-Inspired ZnO@Amino Acid Cocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6348-6356. | 1.5 | 13 |
| 40 | Additives influence the phase behavior of calcium carbonate solution by a cooperative ion-association process. <i>Journal of Materials Chemistry B</i> , 2018, 6, 449-457. | 2.9 | 31 |
| 41 | Residual Strain and Stress in Biocrystals. <i>Advanced Materials</i> , 2018, 30, e1707263. | 11.1 | 35 |
| 42 | Insights on the interaction of calcein with calcium carbonate and its implications in biomineralization studies. <i>CrystEngComm</i> , 2018, 20, 4221-4224. | 1.3 | 7 |
| 43 | A study on the wetting properties of broccoli leaf surfaces and their time dependent self-healing after mechanical damage. <i>Soft Matter</i> , 2018, 14, 7782-7792. | 1.2 | 17 |
| 44 | Association Between Gold Grain Orientation and Its Periodic Steps Formed at the Gold/Substrate Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11364-11370. | 1.5 | 4 |
| 45 | Morphological changes of calcite single crystals induced by graphene@biomolecule adducts. <i>Journal of Crystal Growth</i> , 2017, 457, 356-361. | 0.7 | 6 |
| 46 | Sponge-associated bacteria mineralize arsenic and barium on intracellular vesicles. <i>Nature Communications</i> , 2017, 8, 14393. | 5.8 | 55 |
| 47 | Powder diffraction and crystal structure prediction identify four new coumarin polymorphs. <i>Chemical Science</i> , 2017, 8, 4926-4940. | 3.7 | 97 |
| 48 | Density of Nanometrically Thin Amorphous Films Varies by Thickness. <i>Chemistry of Materials</i> , 2017, 29, 4912-4919. | 3.2 | 10 |
| 49 | Synthesis of calcium carbonate in trace water environments. <i>Chemical Communications</i> , 2017, 53, 4811-4814. | 2.2 | 12 |
| 50 | Pore and ligament size control, thermal stability and mechanical properties of nanoporous single crystals of gold. <i>Nanoscale</i> , 2017, 9, 14458-14466. | 2.8 | 16 |
| 51 | Coherently aligned nanoparticles within a biogenic single crystal: A biological prestressing strategy. <i>Science</i> , 2017, 358, 1294-1298. | 6.0 | 97 |
| 52 | A Gold Complex Single Crystal Comprising Nanoporosity and Curved Surfaces. <i>Crystal Growth and Design</i> , 2017, 17, 221-227. | 1.4 | 2 |
| 53 | Bioinspired Nanocomposites: Ordered 2D Materials Within a 3D Lattice. <i>Advanced Functional Materials</i> , 2016, 26, 5569-5575. | 7.8 | 23 |
| 54 | A comparison between HfO ₂ /Al ₂ O ₃ nano-laminates and ternary Hf _x Al _y O compound as the dielectric material in InGaAs based metal-oxide-semiconductor (MOS) capacitors. <i>Journal of Applied Physics</i> , 2016, 120, 124505. | 1.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. <i>Advanced Functional Materials</i> , 2016, 26, 1382-1392. | 7.8 | 63 |
| 56 | Hybrid Gold Single Crystals Incorporating Amino Acids. <i>Crystal Growth and Design</i> , 2016, 16, 2972-2978. | 1.4 | 14 |
| 57 | Morphology-preserving transformation of minerals mediated by a temperature-responsive polymer membrane: calcite to hydroxyapatite. <i>CrystEngComm</i> , 2016, 18, 2289-2293. | 1.3 | 6 |
| 58 | Tuning hardness in calcite by incorporation of amino acids. <i>Nature Materials</i> , 2016, 15, 903-910. | 13.3 | 183 |
| 59 | Amorphous biogenic calcium oxalate. <i>ChemistrySelect</i> , 2016, 1, 132-135. | 0.7 | 5 |
| 60 | Structural analysis and optical properties of the Bi ₂ YWO ₆ system. <i>CrystEngComm</i> , 2016, 18, 6464-6470. | 1.3 | 8 |
| 61 | Paraffin Wax Crystal Coarsening: Effects of Strain and Wax Crystal Shape. <i>Crystal Growth and Design</i> , 2016, 16, 3932-3939. | 1.4 | 4 |
| 62 | Resorcinol Crystallization from the Melt: A New Ambient Phase and New "Riddles". <i>Journal of the American Chemical Society</i> , 2016, 138, 4881-4889. | 6.6 | 74 |
| 63 | Kinetics of Nanoscale Self-Assembly Measured on Liquid Drops by Macroscopic Optical Tensiometry: From Mercury to Water and Fluorocarbons. <i>Journal of the American Chemical Society</i> , 2016, 138, 2585-2591. | 6.6 | 5 |
| 64 | Calcite Single Crystals as Hosts for Atomic-Scale Entrapment and Slow Release of Drugs. <i>Advanced Healthcare Materials</i> , 2015, 4, 1510-1516. | 3.9 | 32 |
| 65 | "Guanigma": The Revised Structure of Biogenic Anhydrous Guanine. <i>Chemistry of Materials</i> , 2015, 27, 8289-8297. | 3.2 | 74 |
| 66 | Intracrystalline inclusions within single crystalline hosts: from biomineralization to bio-inspired crystal growth. <i>CrystEngComm</i> , 2015, 17, 5873-5883. | 1.3 | 59 |
| 67 | Narrowly Distributed Crystal Orientation in Biomineral Vaterite. <i>Chemistry of Materials</i> , 2015, 27, 6516-6523. | 3.2 | 27 |
| 68 | Structural analysis of metal-doped calcium oxalate. <i>RSC Advances</i> , 2015, 5, 98626-98633. | 1.7 | 18 |
| 69 | Sponge-like nanoporous single crystals of gold. <i>Nature Communications</i> , 2015, 6, 8841. | 5.8 | 31 |
| 70 | Bioinspired passive anti-biofouling surfaces preventing biofilm formation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1371-1378. | 2.9 | 49 |
| 71 | Insect attachment on crystalline bioinspired wax surfaces formed by alkanes of varying chain lengths. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1031-1041. | 1.5 | 20 |
| 72 | Multilevel Hierarchy of Fluorinated Wax on CuO Nanowires for Superoleophobic Surfaces. <i>Langmuir</i> , 2014, 30, 15568-15573. | 1.6 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Bio-Inspired Band Gap Engineering of Zinc Oxide by Intracrystalline Incorporation of Amino Acids. <i>Advanced Materials</i> , 2014, 26, 477-481. | 11.1 | 82 |
| 74 | Semiconductors: Bio-Inspired Band Gap Engineering of Zinc Oxide by Intracrystalline Incorporation of Amino Acids (<i>Adv. Mater.</i> 3/2014). <i>Advanced Materials</i> , 2014, 26, 503-503. | 11.1 | 1 |
| 75 | Formation of Curved Micrometer-Sized Single Crystals. <i>ACS Nano</i> , 2014, 8, 4747-4753. | 7.3 | 6 |
| 76 | Bio-inspired engineering of a zinc oxide/amino acid composite: synchrotron microstructure study. <i>CrystEngComm</i> , 2014, 16, 3268-3273. | 1.3 | 25 |
| 77 | Oxygen Spectroscopy and Polarization-Dependent Imaging Contrast (PIC)-Mapping of Calcium Carbonate Minerals and Biominerals. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8449-8457. | 1.2 | 60 |
| 78 | Incorporation of a Recombinant Biomineralization Fusion Protein into the Crystalline Lattice of Calcite. <i>Chemistry of Materials</i> , 2014, 26, 4925-4932. | 3.2 | 45 |
| 79 | Size Effect on the Short Range Order and the Crystallization of Nanosized Amorphous Alumina. <i>Crystal Growth and Design</i> , 2014, 14, 3983-3989. | 1.4 | 34 |
| 80 | Three-Dimensional Triple Hierarchy Formed by Self-Assembly of Wax Crystals on CuO Nanowires for Nonwetable Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4927-4934. | 4.0 | 20 |
| 81 | Crystal nucleation and near-epitaxial growth in nacre. <i>Journal of Structural Biology</i> , 2013, 184, 454-463. | 1.3 | 54 |
| 82 | Exposed and Buried Biomineral Interfaces in the Aragonitic Shell of <i>Perna canaliculus</i> Revealed by Solid-State NMR. <i>Chemistry of Materials</i> , 2013, 25, 4595-4602. | 3.2 | 31 |
| 83 | Vaterite Crystals Contain Two Interspersed Crystal Structures. <i>Science</i> , 2013, 340, 454-457. | 6.0 | 139 |
| 84 | Shape of Water-Air Interface beneath a Drop on a Superhydrophobic Surface Revealed: Constant Curvature That Approaches Zero. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6658-6663. | 1.5 | 18 |
| 85 | Unique crystallographic pattern in the macro to atomic structure of <i>Herdmania momus</i> vateritic spicules. <i>Journal of Structural Biology</i> , 2013, 183, 191-198. | 1.3 | 16 |
| 86 | Bio-Inspired Superoleophobic Fluorinated Wax Crystalline Surfaces. <i>Advanced Functional Materials</i> , 2013, 23, 4572-4576. | 7.8 | 39 |
| 87 | Superoleophobic Materials: Bio-Inspired Superoleophobic Fluorinated Wax Crystalline Surfaces (<i>Adv.</i>) Tj ETQq1 1 0,784314 rgBT /Ove | 7.8 | 39 |
| 88 | Bioinspired hierarchical superhydrophobic structures formed by n-paraffin waxes of varying chain lengths. <i>Soft Matter</i> , 2013, 9, 5710. | 1.2 | 23 |
| 89 | Atomic structure and ultrastructure of the <i>Murex troscheli</i> shell. <i>Journal of Structural Biology</i> , 2012, 180, 539-545. | 1.3 | 15 |
| 90 | Self-Ordered Vicinal-Surface-Like Nanosteps at the Thin Metal-Film/Substrate Interface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12149-12155. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Coiled to Diffuse: Brownian Motion of a Helical Bacterium. <i>Langmuir</i> , 2012, 28, 12941-12947. | 1.6 | 39 |
| 92 | Screening the Incorporation of Amino Acids into an Inorganic Crystalline Host: the Case of Calcite. <i>Advanced Functional Materials</i> , 2012, 22, 4216-4224. | 7.8 | 124 |
| 93 | Hierarchical Calcite Crystals with Occlusions of a Simple Polyelectrolyte Mimic Complex Biomineral Structures. <i>Advanced Functional Materials</i> , 2012, 22, 4668-4676. | 7.8 | 69 |
| 94 | Self-Assembling, Bioinspired Wax Crystalline Surfaces with Time-Dependent Wettability. <i>Advanced Functional Materials</i> , 2012, 22, 745-750. | 7.8 | 40 |
| 95 | Superhydrophobic Surfaces: Self-Assembling, Bioinspired Wax Crystalline Surfaces with Time-Dependent Wettability (<i>Adv. Funct. Mater.</i> 4/2012). <i>Advanced Functional Materials</i> , 2012, 22, 744-744. | 7.8 | 1 |
| 96 | Formation and Elimination of Surface Nanodefects on Ultraflat Metal Surfaces Produced by Template Stripping. <i>Langmuir</i> , 2011, 27, 13415-13419. | 1.6 | 16 |
| 97 | An artificial biomineral formed by incorporation of copolymer micelles in calcite crystals. <i>Nature Materials</i> , 2011, 10, 890-896. | 13.3 | 248 |
| 98 | Inhomogeneous Strain/Stress Profiles in the Nacre Layer of Mollusk Shells. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 554-558. | 1.1 | 7 |
| 99 | Bacterial biofilm shows persistent resistance to liquid wetting and gas penetration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 995-1000. | 3.3 | 302 |
| 100 | Control of Shape and Size of Nanopillar Assembly by Adhesion-Mediated Elastocapillary Interaction. <i>ACS Nano</i> , 2010, 4, 6323-6331. | 7.3 | 63 |
| 101 | Sonication-Assisted Synthesis of Large, High-Quality Mercury Thiolate Single Crystals Directly from Liquid Mercury. <i>Journal of the American Chemical Society</i> , 2010, 132, 14355-14357. | 6.6 | 26 |
| 102 | Nacre in Mollusk Shells as a Multilayered Structure with Strain Gradient. <i>Advanced Functional Materials</i> , 2009, 19, 1054-1059. | 7.8 | 40 |
| 103 | Fabrication of Bioinspired Actuated Nanostructures with Arbitrary Geometry and Stiffness. <i>Advanced Materials</i> , 2009, 21, 463-469. | 11.1 | 167 |
| 104 | Crystallization of Malonic and Succinic Acids on SAMs: Toward the General Mechanism of Oriented Nucleation on Organic Monolayers. <i>Langmuir</i> , 2009, 25, 14002-14006. | 1.6 | 15 |
| 105 | Self-Organization of a Mesoscale Bristle into Ordered, Hierarchical Helical Assemblies. <i>Science</i> , 2009, 323, 237-240. | 6.0 | 368 |
| 106 | Electrochemical behaviour of stainless steels in media containing iron-oxidizing bacteria (IOB) by corrosion process modeling. <i>Corrosion Science</i> , 2008, 50, 540-547. | 3.0 | 71 |
| 107 | Biogenic Guanine Crystals from the Skin of Fish May Be Designed to Enhance Light Reflectance. <i>Crystal Growth and Design</i> , 2008, 8, 507-511. | 1.4 | 118 |
| 108 | Protein-induced, previously unidentified twin form of calcite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7337-7341. | 3.3 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Biom mineralization of calcium carbonate: structural aspects. CrystEngComm, 2007, 9, 1156. | 1.3 | 58 |
| 110 | Atomic Structure of Biogenic Aragonite. Chemistry of Materials, 2007, 19, 3244-3251. | 3.2 | 87 |
| 111 | Calcite shape modulation through the lattice mismatch between the self-assembled monolayer template and the nucleated crystal face. CrystEngComm, 2007, 9, 1219. | 1.3 | 40 |
| 112 | Structure of Biogenic Aragonite (CaCO ₃). Crystal Growth and Design, 2007, 7, 1580-1583. | 1.4 | 52 |
| 113 | Protein mapping of calcium carbonate biominerals by immunogold. Biomaterials, 2007, 28, 2368-2377. | 5.7 | 49 |
| 114 | Purification and Functional Analysis of a 40 kD Protein Extracted from the Strombus decorus persicus Mollusk Shells. Biomacromolecules, 2006, 7, 550-556. | 2.6 | 37 |
| 115 | Anisotropic lattice distortions in the mollusk-made aragonite: A widespread phenomenon. Journal of Structural Biology, 2006, 153, 145-150. | 1.3 | 126 |
| 116 | Anisotropic lattice distortions in biogenic calcite induced by intra-crystalline organic molecules. Journal of Structural Biology, 2006, 155, 96-103. | 1.3 | 171 |
| 117 | The Microstructure of Biogenic Calcite: A View by High-Resolution Synchrotron Powder Diffraction. Advanced Materials, 2006, 18, 2363-2368. | 11.1 | 117 |
| 118 | On the structure of aragonite. Acta Crystallographica Section B: Structural Science, 2005, 61, 129-132. | 1.8 | 86 |
| 119 | Structural Distinctions Between Biogenic and Geological Aragonite. Materials Research Society Symposia Proceedings, 2005, 874, 1. | 0.1 | 0 |
| 120 | Aragonite growth on single-crystal substrates displaying a threefold axis. Chemical Communications, 2005, , 2140. | 2.2 | 24 |
| 121 | Measurement of Residual Strains with High Depth Resolution by Energy-Variable Diffraction on Synchrotron Beam Lines. Materials Research Society Symposia Proceedings, 2004, 840, Q7.7.1. | 0.1 | 2 |
| 122 | Anisotropic lattice distortions in biogenic aragonite. Nature Materials, 2004, 3, 900-902. | 13.3 | 175 |
| 123 | Depth-resolved strain measurements in polycrystalline materials by energy-variable X-ray diffraction. Journal of Synchrotron Radiation, 2004, 11, 309-313. | 1.0 | 8 |
| 124 | Microstructure of natural plywood-like ceramics: a study by high-resolution electron microscopy and energy-variable X-ray diffraction. Journal of Materials Chemistry, 2003, 13, 682-688. | 6.7 | 67 |
| 125 | Excessive Increase in the Optical Band Gap of Near-Infrared Semiconductor Lead (II) Sulfide via the Incorporation of Amino Acids. Advanced Optical Materials, 0, , 2200203. | 3.6 | 3 |