Juan Manuel GarcÃ-a-Ruiz

List of Publications by Year
in descending order

211 papers	8,951 citations	36271 51 h-index	54882 84 g-index
224 all docs	224 docs citations	224 times ranked	7573 citing authors

#	Article	IF	Citations
1	A Comprehensive Methodology for Monitoring Evaporitic Mineral Precipitation and Hydrochemical Evolution of Saline Lakes: The Case of Lake Magadi Soda Brine (East African Rift Valley, Kenya). Crystal Growth and Design, 2022, 22, 2307-2317.	1.4	8
2	Teaching and Education highlighted. Journal of Applied Crystallography, 2022, 55, 215-217.	1.9	0
3	Dynamic diffusion and precipitation processes across calcium silicate membranes. Journal of Colloid and Interface Science, 2022, 618, 206-218.	5.0	3
4	Nanoscale Anatomy of Ironâ€Silica Selfâ€Organized Membranes: Implications for Prebiotic Chemistry. Angewandte Chemie - International Edition, 2021, 60, 1396-1402.	7.2	11
5	Nanoscale Anatomy of Ironâ€Silica Selfâ€Organized Membranes: Implications for Prebiotic Chemistry. Angewandte Chemie, 2021, 133, 1416-1422.	1.6	6
6	Punin Ripening and the Classification of Solution-Mediated Recrystallization Mechanisms. Crystal Growth and Design, 2021, 21, 1267-1277.	1.4	5
7	Local Lightâ€Controlled Generation of Calcium Carbonate and Barium Carbonate Biomorphs via Photochemical Stimulation. Chemistry - A European Journal, 2021, 27, 12521-12525.	1.7	3
8	Tubular Structures of Calcium Carbonate: Formation, Characterization, and Implications in Natural Mineral Environments. Chemistry - A European Journal, 2021, 27, 16135-16144.	1.7	8
9	Prebiotic Organic Chemistry of Formamide and the Origin of Life in Planetary Conditions: What We Know and What Is the Future. International Journal of Molecular Sciences, 2021, 22, 917.	1.8	15
10	The role of borosilicate glass in Millerâ€“Urey experiment. Scientific Reports, 2021, 11, 21009.	1.6	19
11	Identifying microbial life in rocks: Insights from population morphometry. Geobiology, 2020, 18, 282-305.	1.1	12
12	On the controls of mineral assemblages and textures in alkaline springs, Samail Ophiolite, Oman. Chemical Geology, 2020, 533, 119435.	1.4	27
13	The convergence of minerals and life. Physics of Life Reviews, 2020, 34-35, 99-104.	1.5	1
14	Light-switchable anchors on magnetized biomorphic microcarriers. Journal of Materials Chemistry B, 2020, 8, 4831-4835.	2.9	4
15	Mineral Vesicles and Chemical Gardens from Carbonate-Rich Alkaline Brines of Lake Magadi, Kenya. Crystals, 2020, 10, 467.	1.0	13
16	Equilibrium Shape of 2D Nuclei Obtained from Spiral Hillocks on {010} Form of Gypsum. Crystal Growth and Design, 2020, 20, 1526-1530.	1.4	3
17	Mineral self-organization on a lifeless planet. Physics of Life Reviews, 2020, 34-35, 62-82.	1.5	28
18	Hydrochemical and Mineralogical Evolution through Evaporitic Processes in Salar de Llamara Brines (Atacama, Chile). ACS Earth and Space Chemistry, 2020, 4, 882-896.	1.2	14

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19	On the Quality of Protein Crystals Grown under Diffusion Mass-transport Controlled Regime (I). Crystals, 2020, 10, 68.	1.0	9
20	Geochemistry and mineralogy of serpentinization-driven hyperalkaline springs in the Ronda peridotites. Lithos, 2019, 350-351, 105215.	0.6	15
21	Great spotted cuckoo eggshell microstructure characteristics can make eggs stronger. Journal of Avian Biology, 2019, 50, .	0.6	14
22	Hybrid Biomimetic Materials from Silica/Carbonate Biomorphs. Crystals, 2019, 9, 157.	1.0	10
23	A Universal Geochemical Scenario for Formamide Condensation and Prebiotic Chemistry. Chemistry - A European Journal, 2019, 25, 3181-3189.	1.7	59
24	A Polyextreme Hydrothermal System Controlled by Iron: The Case of Dallol at the Afar Triangle. ACS Earth and Space Chemistry, 2019, 3, 90-99.	1.2	32
25	A morphogram for silicaâ€witherite biomorphs and its application to microfossil identification in the early earth rock record. Geobiology, 2018, 16, 279-296.	1.1	52
26	Silica Metal Oxide Vesicles Catalyze Comprehensive Prebiotic Chemistry. Chemistry - A European Journal, 2018, 24, 8126-8132.	1.7	43
27	Thermal assisted self-organization of calcium carbonate. Nature Communications, 2018, 9, 5221.	5.8	35
28	Structural Transition of Inorganic Silicaâ€“Carbonate Composites Towards Curved Lifelike Morphologies. Minerals (Basel, Switzerland), 2018, 8, 75.	0.8	8
29	A crystallographic study of crystalline casts and pseudomorphs from the 3.5â€...Ga Dresser Formation, Pilbara Craton (Australia). Journal of Applied Crystallography, 2018, 51, 1050-1058.	1.9	15
30	Growth behaviour of silica/carbonate nanocrystalline composites of calcite and aragonite. Journal of Materials Chemistry B, 2017, 5, 1658-1663.	2.9	25
31	Local pH oscillations witness autocatalytic self-organization of biomorphic nanostructures. Nature Communications, 2017, 8, 14427.	5.8	40
32	Biomimetic mineral self-organization from silica-rich spring waters. Science Advances, 2017, 3, e1602285.	4.7	79
33	Precipitation and Crystallization Kinetics in Silica Gardens. ChemPhysChem, 2017, 18, 338-345.	1.0	15
34	Efficient Screening Methodology for Protein Crystallization Based on the Counter-Diffusion Technique. Crystal Growth and Design, 2017, 17, 6780-6786.	1.4	14
35	Habitability on Early Mars and the Search for Biosignatures with the ExoMars Rover. Astrobiology, 2017, 17, 471-510.	1.5	371
36	Physicochemical and Additive Controls on the Multistep Precipitation Pathway of Gypsum. Minerals (Basel, Switzerland), 2017, 7, 140.	0.8	27

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37	Diffusion and precipitation processes in iron-based silica gardens. Physical Chemistry Chemical Physics, 2016, 18, 24850-24858.	1.3	29
38	Polypeptide effect on Mg²⁺hydration inferred from CaCO₃formation: a biomineralization study by counter-diffusion. CrystEngComm, 2016, 18, 3265-3272.	1.3	13
39	Unraveling the Sulfate Sources of (Giant) Gypsum Crystals Using Gypsum Isotope Fractionation Factors. Journal of Geology, 2016, 124, 235-245.	0.7	24
40	Role of CaCO₃Â° Neutral Pair in Calcium Carbonate Crystallization. Crystal Growth and Design, 2016, 16, 4173-4177.	1.4	22
41	Three study cases of growth morphology in minerals: Halite, calcite and gypsum. Progress in Crystal Growth and Characterization of Materials, 2016, 62, 227-251.	1.8	87
42	A Global Scale Scenario for Prebiotic Chemistry: Silica-Based Self-Assembled Mineral Structures and Formamide. Biochemistry, 2016, 55, 2806-2811.	1.2	65
43	The role of mass transport in protein crystallization. Acta Crystallographica Section F, Structural Biology Communications, 2016, 72, 96-104.	0.4	15
44	Growth Behavior of Monohydrocalcite (CaCO3Â·H2O) in Silica-Rich Alkaline Solution. Crystal Growth and Design, 2015, 15, 564-572.	1.4	17
45	Large-volume protein crystal growth for neutron macromolecular crystallography. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 358-370.	0.4	31
46	CRISTALES: a world to discover. An exhibition for schools and universities. Journal of Applied Crystallography, 2015, 48, 1264-1275.	1.9	4
47	Crystal Growth in Geology. , 2015, , 1-43.		11
48	Biological Crystallization. , 2015, , 873-913.		7
49	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. PLoS ONE, 2014, 9, e99438.	1.1	53
50	Formation of chemical gardens on granitic rock: a new type of alteration for alkaline systems. European Journal of Mineralogy, 2014, 26, 415-426.	0.4	17
51	Calcium carbonate bio-precipitation in counter-diffusion systems using the soluble organic matrix from nacre and sea-urchin spine. European Journal of Mineralogy, 2014, 26, 523-535.	0.4	17
52	Transient Calcium Carbonate Hexahydrate (Ikaite) Nucleated and Stabilized in Confined Nano- and Picovolumes. Crystal Growth and Design, 2014, 14, 792-802.	1.4	28
53	Nucleation and growth of the Naica giant gypsum crystals. Chemical Society Reviews, 2014, 43, 2013-2026.	18.7	63
54	Stereospecific alkylation of substituted adenines by the Mitsunobu coupling reaction under microwave-assisted conditions. RSC Advances, 2014, 4, 22425-22433.	1.7	16

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55	The gypsumâ€“anhydrite paradox revisited. Chemical Geology, 2014, 386, 16-21.	1.4	82
56	In Situ Live Observation of Nucleation and Dissolution of Sodium Chlorate Nanoparticles by Transmission Electron Microscopy. Journal of the American Chemical Society, 2014, 136, 1762-1765.	6.6	45
57	Exploring coral biomineralization in gelling environments by means of a counter diffusion system. CrystEngComm, 2014, 16, 1257-1267.	1.3	20
58	Ti(III)-Catalyzed Cyclizations of Ketoepoxypolyprenes: Control over the Number of Rings and Unexpected Stereoselectivities. Journal of the American Chemical Society, 2014, 136, 6943-6951.	6.6	30
59	Effect of bulk pH and supersaturation on the growth behavior of silica biomorphs in alkaline solutions. CrystEngComm, 2013, 15, 43-53.	1.3	19
60	Crystallization of monohydrocalcite in a silica-rich alkaline solution. CrystEngComm, 2013, 15, 6526.	1.3	12
61	Analysis of the Structural Integrity of SU-8-Based Optofluidic Systems for Small-Molecule Crystallization Studies. Analytical Chemistry, 2013, 85, 9678-9685.	3.2	15
62	Bottom-Up Self-Assembly of Amorphous Coreâ€“Shellâ€“Shell Nanoparticles and Biomimetic Crystal Forms in Inorganic Silicaâ€“Carbonate Systems. Chemistry of Materials, 2013, 25, 1842-1851.	3.2	25
63	The effect of silica on polymorphic precipitation of calcium carbonate: an on-line energy-dispersive X-ray diffraction (EDXRD) study. Nanoscale, 2013, 5, 7054.	2.8	38
64	Experimental Techniques for the Growth and Characterization of Silica Biomorphs and Silica Gardens. Methods in Enzymology, 2013, 532, 225-256.	0.4	23
65	Determining gypsum growth temperatures using monophase fluid inclusionsâ€”Application to the giant gypsum crystals of Naica, Mexico. Geology, 2013, 41, 119-122.	2.0	20
66	Mutational and Structural Analysis of l - N -Carbamoylase Reveals New Insights into a Peptidase M20/M25/M40 Family Member. Journal of Bacteriology, 2012, 194, 5759-5768.	1.0	23
67	Pattern formation in stromatolites: insights from mathematical modelling. Journal of the Royal Society Interface, 2012, 9, 1051-1062.	1.5	13
68	Evidence for chemoreceptors with bimodular ligand-binding regions harboring two signal-binding sites. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18926-18931.	3.3	68
69	Versatile Bottomâ€‰up Approach to Stapled Ïâ€Conjugated Helical Scaffolds: Synthesis and Chiroptical Properties of Cyclic oâ€Phenylene Ethynylene Oligomers. Angewandte Chemie - International Edition, 2012, 51, 13036-13040.	7.2	31
70	Silica Biomorphs: Complex Biomimetic Hybrid Materials from â€œSand and Chalkâ€• European Journal of Inorganic Chemistry, 2012, 2012, 5123-5144.	1.0	78
71	The Role and Implications of Bassanite as a Stable Precursor Phase to Gypsum Precipitation. Science, 2012, 336, 69-72.	6.0	294
72	Crystal engineering in confined spaces. A novel method to grow crystalline metal phosphonates in alginate gel systems. CrystEngComm, 2012, 14, 5385.	1.3	32

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73	In situX-ray data collection from highly sensitive crystals ofPseudomonas putidaPtxS in complex with DNA. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1307-1310.	0.7	6
74	Inorganic pyrophosphatase crystals fromThermococcus thioreducensfor X-ray and neutron diffraction. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1482-1487.	0.7	19
75	Multifunctional Luminescent and Proton-Conducting Lanthanide Carboxyphosphonate Open-Framework Hybrids Exhibiting Crystalline-to-Amorphous-to-Crystalline Transformations. Chemistry of Materials, 2012, 24, 3780-3792.	3.2	162
76	Colloidal Stabilization of Calcium Carbonate Prenucleation Clusters with Silica. Advanced Functional Materials, 2012, 22, 4301-4311.	7.8	103
77	Innentitelbild: Formation and Evolution of Chemical Gradients and Potential Differences Across Self-Assembling Inorganic Membranes (Angew. Chem. 18/2012). Angewandte Chemie, 2012, 124, 4316-4316.	1.6	0
78	Formation and Evolution of Chemical Gradients and Potential Differences Across Selfâ€Assembling Inorganic Membranes. Angewandte Chemie - International Edition, 2012, 51, 4317-4321.	7.2	54
79	Inside Cover: Formation and Evolution of Chemical Gradients and Potential Differences Across Self-Assembling Inorganic Membranes (Angew. Chem. Int. Ed. 18/2012). Angewandte Chemie - International Edition, 2012, 51, 4242-4242.	7.2	0
80	Local autocatalytic co-precipitation phenomena in self-assembled silicaâ€“carbonate materials. Journal of Colloid and Interface Science, 2012, 380, 1-7.	5.0	26
81	Crystallization and crystallographic analysis of the ligand-binding domain of thePseudomonas putidachemoreceptor McpS in complex with malate and succinate. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 428-431.	0.7	2
82	Growth Behavior and Kinetics of Selfâ€Assembled Silicaâ€“Carbonate Biomorphs. Chemistry - A European Journal, 2012, 18, 2272-2282.	1.7	40
83	On/off electrochemical switches based on quinone-bisketals. Chemical Communications, 2011, 47, 1586-1588.	2.2	18
84	Hetero- vs Homogeneous Nucleation of Protein Crystals Discriminated by Supersaturation. Crystal Growth and Design, 2011, 11, 1542-1548.	1.4	26
85	Common Structural Features in Calcium Hydroxyphosphonoacetates. A High-Throughput Screening. Crystal Growth and Design, 2011, 11, 1713-1722.	1.4	32
86	Divalent Metal Vinylphosphonate Layered Materials: Compositional Variability, Structural Peculiarities, Dehydration Behavior, and Photoluminescent Properties. Inorganic Chemistry, 2011, 50, 11202-11211.	1.9	25
87	Poly(ethylene) oxide for small-molecule crystal growth in gelled organic solvents. Journal of Applied Crystallography, 2011, 44, 172-176.	1.9	22
88	Understanding the polymorphic behaviour of a mutant of the Î±-spectrin SH3 domain by means of two 1.1â€…Ã… resolution structures. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 189-196.	2.5	7
89	New (RS)-benzoxazepin-purines with antitumour activity: The chiral switch from (RS)-2,6-dichloro-9-[1-(p-nitrobenzenesulfonyl)-1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl]-9H-purine. European Journal of Medicinal Chemistry, 2011, 46, 249-258.	2.6	39
90	Ultraslow growth rates of giant gypsum crystals. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15721-15726.	3.3	62

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91	Biomimetic Carbonateâ€“Hydroxyapatite Nanocrystals Prepared by Vapor Diffusion. Advanced Engineering Materials, 2010, 12, B218.	1.6	52
92	Nucleation and Polymorphism of Calcium Carbonate by a Vapor Diffusion Sitting Drop Crystallization Technique. Crystal Growth and Design, 2010, 10, 963-969.	1.4	33
93	In Situ Observation of Step Dynamics on Gypsum Crystals. Crystal Growth and Design, 2010, 10, 3909-3916.	1.4	54
94	Stabilization of Amorphous Calcium Carbonate in Inorganic Silica-Rich Environments. Journal of the American Chemical Society, 2010, 132, 17859-17866.	6.6	130
95	Toward the Crystallization of Photosystem II Core Complex from Pisum sativum L.. Crystal Growth and Design, 2010, 10, 3391-3396.	1.4	1
96	Structure of dihydropyrimidinase from Sinorhizobium meliloti CECT4114: New features in an amidohydrolase family member. Journal of Structural Biology, 2010, 169, 200-208.	1.3	28
97	Morphogenesis of Self-Assembled Nanocrystalline Materials of Barium Carbonate and Silica. Science, 2009, 323, 362-365.	6.0	221
98	Counterdiffusion methods applied to protein crystallization. Progress in Biophysics and Molecular Biology, 2009, 101, 26-37.	1.4	103
99	Tiâ€Catalyzed Barbierâ€Type Allylations and Related Reactions. Chemistry - A European Journal, 2009, 15, 2774-2791.	1.7	93
100	Crystallization and diffraction patterns of the oxy and cyano forms of theLucina pectinatahaemoglobins complex. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 25-28.	0.7	8
101	Phase behavior and crystallogenesis under counter-diffusion conditions of the collagen-model peptide (Proâ€“Proâ€“Gly)10. Journal of Crystal Growth, 2009, 311, 304-309.	0.7	2
102	On the Mixing of Protein Crystallization Cocktails. Crystal Growth and Design, 2009, 9, 2707-2712.	1.4	11
103	Silica Gel Template for Calcium Phosphates Crystallization. Crystal Growth and Design, 2009, 9, 4912-4921.	1.4	39
104	Role of Bulk pH during Witherite Biomorph Growth in Silica Gels. Crystal Growth and Design, 2009, 9, 4730-4734.	1.4	33
105	Crystallization Behavior of Coordination Polymers. 1. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl₂ Systems. Crystal Growth and Design, 2009, 9, 5024-5034.	1.4	23
106	Effects of a Magnetic Field on Lysozyme Crystal Nucleation and Growth in a Diffusive Environment. Crystal Growth and Design, 2009, 9, 2610-2615.	1.4	34
107	Crystallization of proteins on functionalized surfaces. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1054-1061.	2.5	29
108	Crystallization and preliminary crystallographic studies of an active-site mutant hydantoin racemase fromSinorhizobium melilotiCECT4114. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 50-53.	0.7	5

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109	Crystallization and preliminary crystallographic studies of the recombinantL-N-carbamoylase fromGeobacillus stearothermophilusCECT43. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1135-1138.	0.7	4
110	Influence of eggshell matrix proteins on the precipitation of calcium carbonate (CaCO3). Journal of Crystal Growth, 2008, 310, 1754-1759.	0.7	57
111	Identification of Some Active Proteins in the Process of Hen Eggshell Formation. Crystal Growth and Design, 2008, 8, 4330-4339.	1.4	59
112	Nanocrystalline structures in calcium carbonate biominerals. Journal of Nanophotonics, 2008, 2, 021935.	0.4	2
113	Investigation of the Compatibility of Gels with Precipitating Agents and Detergents in Protein Crystallization Experiments. Crystal Growth and Design, 2008, 8, 4291-4296.	1.4	9
114	Toward a Definition of X-ray Crystal Quality. Crystal Growth and Design, 2008, 8, 4284-4290.	1.4	9
115	Granada Crystallization Facility-2: A Versatile Platform for Crystallization in Space. Crystal Growth and Design, 2008, 8, 4324-4329.	1.4	15
116	Influence of Model Globular Proteins with Different Isoelectric Points on the Precipitation of Calcium Carbonate. Crystal Growth and Design, 2008, 8, 1495-1502.	1.4	79
117	Structure and Ligand Selection of Hemoglobin II from Lucina pectinata. Journal of Biological Chemistry, 2008, 283, 9414-9423.	1.6	24
118	Analysis of avian eggshell microstructure using X-ray area detectors. European Journal of Mineralogy, 2007, 19, 391-398.	0.4	24
119	Formation of natural gypsum megacrystals in Naica, Mexico. Geology, 2007, 35, 327.	2.0	92
120	Structure of the mexicainâ€“E-64 complex and comparison with other cysteine proteases of the papain family. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 555-563.	2.5	11
121	Crystallization by capillary counter-diffusion and structure determination of the N114A mutant of the SH3 domain of Abl tyrosine kinase complexed with a high-affinity peptide ligand. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 646-652.	2.5	10
122	New techniques for membrane protein crystallization tested on photosystem II core complex of PisumÂsativum. Photosynthesis Research, 2007, 90, 255-259.	1.6	14
123	Genesis of filamentary pyrite associated with calcite crystals. European Journal of Mineralogy, 2006, 17, 905-913.	0.4	6
124	Capillary crystallization and molecular-replacement solution of haemoglobin II from the clamLucina pectinata. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 196-199.	0.7	15
125	Crystallization and preliminary crystallographic studies of the recombinant dihydropyrimidinase fromSinorhizobium melilotiCECT4114. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1223-1226.	0.7	10
126	Counterdiffusion protein crystallisation in microgravity and its observation with PromISS (protein) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 165-169.	0.7	14

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127	Changes in eggshell mechanical properties, crystallographic texture and in matrix proteins induced by moult in hens. British Poultry Science, 2005, 46, 268-279.	0.8	102
128	Chiral Symmetry Breaking during Crystallization: An Advection-Mediated Nonlinear Autocatalytic Process. Physical Review Letters, 2004, 93, 035502.	2.9	65
129	Structural study of the type II 3-dehydroquinate dehydratase fromActinobacillus pleuropneumoniae. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 463-471.	2.5	12
130	Purification, crystallization and preliminary X-ray analysis of mexicain. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2058-2060.	2.5	8
131	Self-assembly of carbonate-silica colloids: between living and non-living form. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 24-33.	1.2	51
132	DENSITY-DEPENDENT AGE OF FIRST REPRODUCTION AS A BUFFER AFFECTING PERSISTENCE OF SMALL POPULATIONS. , 2004, 14, 616-624.		70
133	Avian eggshell mineralization: biochemical and functional characterization of matrix proteins. Comptes Rendus - Palevol, 2004, 3, 549-562.	0.1	385
134	Macromolecular Crystalsâ€"Growth and Characterization. , 2004, , 369-390.		3
135	Physics and chemistry of icy particles in the universe: answers from microgravity. Planetary and Space Science, 2003, 51, 473-494.	0.9	53
136	The potent anticancer compound ecteinascidin-743 (ET-743) as its 2-propanol disolvate. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o197-o198.	0.4	5
137	Influence of lysozyme on the precipitation of calcium carbonate: a kinetic and morphologic study. Geochimica Et Cosmochimica Acta, 2003, 67, 1667-1676.	1.6	100
138	Nucleation of protein crystals. Journal of Structural Biology, 2003, 142, 22-31.	1.3	151
139	Counterdiffusion Methods for Macromolecular Crystallization. Methods in Enzymology, 2003, 368, 130-154.	0.4	104
140	Self-Assembled Silica-Carbonate Structures and Detection of Ancient Microfossils. Science, 2003, 302, 1194-1197.	6.0	463
141	2003 Spring meeting of the WPSA French Branch. British Poultry Science, 2003, 44, 782-783.	0.8	1
142	Morphology: An Ambiguous Indicator of Biogenicity. Astrobiology, 2002, 2, 353-369.	1.5	154
143	Influence of the microstructure on the shell strength of eggs laid by hens of different ages. British Poultry Science, 2002, 43, 395-403.	0.8	158
144	Formation of Chemical Gardens. Journal of Colloid and Interface Science, 2002, 256, 351-359.	5.0	185

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145	Soaking: the effect of osmotic shock on tetragonal lysozyme crystals. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 209-214.	2.5	21
146	Ab initiocrystallographic structure determination of insulin from protein to electron density without crystal handling. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1147-1154.	2.5	49
147	Experimental observations and numerical modelling of diffusion-driven crystallisation processes. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1628-1632.	2.5	18
148	Granada Crystallisation Box: a new device for protein crystallisation by counter-diffusion techniques. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1638-1642.	2.5	75
149	Lysozyme crystal growth kinetics in microgravity. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1681-1689.	2.5	19
150	Agarose as crystallisation media for proteins II: Trapping of gel fibres into the crystals. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1653-1656.	2.5	75
151	Ovotransferrin is a Matrix Protein of the Hen Eggshell Membranes and Basal Calcified Layer. Connective Tissue Research, 2001, 42, 255-267.	1.1	142
152	Crystallization and cryocrystallography inside X-ray capillaries. Journal of Applied Crystallography, 2001, 34, 365-370.	1.9	29
153	Experimental evidence for the stability of the depletion zone around a growing protein crystal under microgravity. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 412-417.	2.5	34
154	Structure of tetragonal hen egg-white lysozyme at 0.94â€…Ã… from crystals grown by the counter-diffusion method. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1119-1126.	2.5	86
155	Visualization of the impurity depletion zone surrounding apoferritin crystals growing in gel with holoferritin dimer impurity. Journal of Crystal Growth, 2001, 232, 184-187.	0.7	28
156	Crystallization screening directly in electrophoresis gels. Journal of Crystal Growth, 2001, 232, 596-602.	0.7	3
157	A supersaturation wave of protein crystallization. Journal of Crystal Growth, 2001, 232, 149-155.	0.7	44
158	Agarose as crystallization media for proteins. Journal of Crystal Growth, 2001, 232, 165-172.	0.7	99
159	Biochemical and functional characterisation of eggshell matrix proteins in hens. World's Poultry Science Journal, 2001, 57, 401-413.	1.4	90
160	Synthesis of a new hydroxyapatite-silica composite material. Journal of Crystal Growth, 2000, 211, 111-115.	0.7	51
161	Discussion: The development of ammonoid septa: An epithelial invagination process controlled by morphogens or by viscous fingering?. Historical Biology, 2000, 14, 299-303.	0.7	4
162	Identification and localization of lysozyme as a component of eggshell membranes and eggshell matrix. Matrix Biology, 2000, 19, 443-453.	1.5	215

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163	The Effect of Avian Uterine Fluid on the Growth Behavior of Calcite Crystals. Poultry Science, 2000, 79, 901-907.	1.5	71
164	Model of textural development of layered crystal aggregates. European Journal of Mineralogy, 2000, 12, 609-614.	0.4	42
165	GEOCHEMICAL SCENARIOS FOR THE PRECIPITATION OF BIOMIMETIC INORGANIC CARBONATES. , 2000, , 75-89.		12
166	Mosaic spread characterization of microgravity-grown tetragonal lysozyme single crystals. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 644-649.	2.5	9
167	In-situmeasurement of rocking curves during lysozyme crystal growth. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 650-655.	2.5	4
168	Pattern formation in crystal growth: Liesegang rings. Computer Physics Communications, 1999, 121-122, 411-413.	3.0	24
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