Giuseppe Falini

List of Publications by Year
in descending order

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191	7,482	57758	66911
papers	citations	44 h-index	78 g-index

198	198	198	7685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorine Effect in the Gelation Ability of Low Molecular Weight Gelators. Gels, 2022, 8, 98.	4.5	5
2	Water Remediation from Pollutant Agents by the Use of an Environmentally Friendly Supramolecular Hydrogel. ChemNanoMat, 2022, 8, .	2.8	7
3	Multiscale analysis on otolith structural features reveals differences in ontogenesis and sex in Merluccius merluccius in the western Adriatic Sea. Royal Society Open Science, 2022, 9, .	2.4	2
4	Turning Seashell Waste into Electrically Conductive Particles. International Journal of Molecular Sciences, 2022, 23, 7256.	4.1	0
5	Exploring Coral Calcification by Calcium Carbonate Overgrowth Experiments. Crystal Growth and Design, 2022, 22, 5045-5053.	3.0	4
6	Crystal nucleation and growth of spherulites demonstrated by coral skeletons and phase-field simulations. Acta Biomaterialia, 2021, 120, 277-292.	8.3	21
7	Hierarchical chitinous matrices byssus-inspired with mechanical properties tunable by Fe(III) and oxidation. Carbohydrate Polymers, 2021, 251, 116984.	10.2	5
8	Structural and functional insights into nitrosoglutathione reductase from Chlamydomonas reinhardtii. Redox Biology, 2021, 38, 101806.	9.0	12
9	Role of Hydrodynamics, Li+ Addition and Transformation Kinetics on the Formation of Plate-Like {001} Calcite Crystals. Crystals, 2021, 11, 250.	2.2	6
10	Climate variation during the Holocene influenced the skeletal properties of Chamelea gallina shells in the North Adriatic Sea (Italy). PLoS ONE, 2021, 16, e0247590.	2.5	2
11	New Material Perspective for Waste Seashells by Covalent Functionalization. ACS Sustainable Chemistry and Engineering, 2021, 9, 6203-6208.	6.7	13
12	Green Biocompatible Method for the Synthesis of Collagen/Chitin Composites to Study Their Composition and Assembly Influence on Fibroblasts Growth. Biomacromolecules, 2021, 22, 3357-3365.	5.4	7
13	Local Lightâ€Controlled Generation of Calcium Carbonate and Barium Carbonate Biomorphs via Photochemical Stimulation. Chemistry - A European Journal, 2021, 27, 12521-12525.	3.3	3
14	Decreasing <scp>pH</scp> impairs sexual reproduction in a Mediterranean coral transplanted at a <scp>CO₂</scp> vent. Limnology and Oceanography, 2021, 66, 3990-4000.	3.1	4
15	A non-lethal method to assess element content in the endangered Pinna nobilis. Scientific Reports, 2021, 11, 19244.	3.3	3
16	Mechanical adaptation of brachiopod shells via hydration-induced structural changes. Nature Communications, 2021, 12, 5383.	12.8	9
17	Morphology and organization of the internal shell of Ariolimax californicus (Gastropoda;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 2021, 213, 107764.	2.8	4
18	The skeleton of Balanophyllia coral species suggests adaptive traits linked to the onset of mixotrophy. Science of the Total Environment, 2021, 795, 148778.	8.0	1

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19	Influence of proteins on mechanical properties of a natural chitin-protein composite. Acta Biomaterialia, 2021, 120, 81-90.	8.3	13
20	Coral micro- and macro-morphological skeletal properties in response to life-long acclimatization at CO2 vents in Papua New Guinea. Scientific Reports, 2021, 11, 19927.	3.3	10
21	Coral acid rich protein selects vaterite polymorph in vitro. Journal of Structural Biology, 2020, 209, 107431.	2.8	26
22	Cholesterol derivatives make large part of the lipids from epidermal molts of the desert-adapted Gila monster lizard (Heloderma suspectum). Scientific Reports, 2020, 10, 17197.	3.3	0
23	Acidic Monosaccharides become Incorporated into Calcite Single Crystals**. Chemistry - A European Journal, 2020, 26, 16860-16868.	3.3	17
24	A Plant Bioreactor for the Synthesis of Carbon Nanotube Bionic Nanocomposites. Frontiers in Bioengineering and Biotechnology, 2020, 8, 560349.	4.1	10
25	Beyond biotemplating: multiscale porous inorganic materials with high catalytic efficiency. Chemical Communications, 2020, 56, 3389-3392.	4.1	4
26	Doxorubicin-Loaded Squid Pen Plaster: A Natural Drug Delivery System for Cancer Cells. ACS Applied Bio Materials, 2020, 3, 1514-1519.	4.6	4
27	High Amino Acid Lattice Loading at Nonambient Conditions Causes Changes in Structure and Expansion Coefficient of Calcite. Chemistry of Materials, 2020, 32, 4205-4212.	6.7	14
28	Metal ion removal using waste byssus from aquaculture. Scientific Reports, 2020, 10, 22222.	3.3	5
29	Structural characterization of the buccal mass of Ariolimax californicus (Gastropoda;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	2.5	22
30	Induced Nucleation of Biomimetic Nanoapatites on Exfoliated Graphene Biomolecule Flakes by Vapor Diffusion in Microdroplets. Crystals, 2019, 9, 341.	2.2	3
31	Effect of Surface Chemistry on Incorporation of Nanoparticles within Calcite Single Crystals. Crystal Growth and Design, 2019, 19, 4429-4435.	3.0	14
32	Retinoic acid/calcite micro-carriers inserted in fibrin scaffolds modulate neuronal cell differentiation. Journal of Materials Chemistry B, 2019, 7, 5808-5813.	5.8	11
33	Biological Crystallization. Crystals, 2019, 9, 409.	2.2	2
34	Bionic synthesis of a magnetic calcite skeletal structure through living foraminifera. Materials Horizons, 2019, 6, 1862-1867.	12.2	9
35	Î²-Chitin Nanofibril Self-Assembly in Aqueous Environments. Biomacromolecules, 2019, 20, 2421-2429.	5.4	19
36	Synthesis and Adsorbing Properties of Tabular {001} Calcite Crystals. Crystals, 2019, 9, 16.	2.2	9

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37	In Vitro Coral Biomineralization under Relevant Aragonite Supersaturation Conditions. Chemistry - A European Journal, 2019, 25, 10616-10624.	3.3	6
38	Mechanical properties of Chamelea gallina shells at different latitudesï»¿. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 155-163.	3.1	3
39	Arabidopsis and Chlamydomonas phosphoribulokinase crystal structures complete the redox structural proteome of the Calvinâ€“Benson cycle. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8048-8053.	7.1	25
40	Supramolecular Hydrogels with Properties Tunable by Calcium Ions: A Bio-Inspired Chemical System. ACS Applied Bio Materials, 2019, 2, 5819-5828.	4.6	13
41	Glutathionylation primes soluble glyceraldehyde-3-phosphate dehydrogenase for late collapse into insoluble aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26057-26065.	7.1	39
42	Non-stoichiometric hydrated magnesium-doped calcium carbonate precipitation in ethanol. Chemical Communications, 2019, 55, 12944-12947.	4.1	8
43	Photocatalytic activity of exfoliated graphiteâ€“TiO₂ nanoparticle composites. Nanoscale, 2019, 11, 19301-19314.	5.6	18
44	Î²-Chitin samples with similar microfibril arrangement change mechanical properties varying the degree of acetylation. Carbohydrate Polymers, 2019, 207, 26-33.	10.2	26
45	Low and variable pH decreases recruitment efficiency in populations of a temperate coral naturally present at a CO₂ vent. Limnology and Oceanography, 2019, 64, 1059-1069.	3.1	15
46	Linking Internal Carbonate Chemistry Regulation and Calcification in Corals Growing at a Mediterranean CO2 Vent. Frontiers in Marine Science, 2019, 6, .	2.5	11
47	Structure and Function of Stony Coral Intraskeletal Polysaccharides. ACS Omega, 2018, 3, 2895-2901.	3.5	19
48	Combining mutations at genes encoding key enzymes involved in starch synthesis affects the amylose content, carbohydrate allocation and hardness in the wheat grain. Plant Biotechnology Journal, 2018, 16, 1723-1734.	8.3	57
49	Delivery systems for agriculture: Fe-EDDHSA/CaCO3 hybrid crystals as adjuvants for prevention of iron chlorosis. Chemical Communications, 2018, 54, 1635-1638.	4.1	6
50	Aggregation Pathways of Nativeâ€Like Ubiquitin Promoted by Singleâ€Point Mutation, Metal Ion Concentration, and Dielectric Constant of the Medium. Chemistry - A European Journal, 2018, 24, 4140-4148.	3.3	1
51	Proteins as supramolecular hosts for C₆₀: a true solution of C₆₀ in water. Nanoscale, 2018, 10, 9908-9916.	5.6	33
52	Functional Biocompatible Matrices from Mussel Byssus Waste. ACS Biomaterials Science and Engineering, 2018, 4, 57-65.	5.2	14
53	Insights on the interaction of calcein with calcium carbonate and its implications in biomineralization studies. CrystEngComm, 2018, 20, 4221-4224.	2.6	7
54	A new twist on sea silk: the peculiar protein ultrastructure of fan shell and pearl oyster byssus. Soft Matter, 2018, 14, 5654-5664.	2.7	21

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55	Transcriptional response of the heat shock gene hsp70 aligns with differences in stress susceptibility of shallow-water corals from the Mediterranean Sea. Marine Environmental Research, 2018, 140, 444-454.	2.5	19
56	Graphene Materials Strengthen Aqueous Polyurethane Adhesives. ACS Omega, 2018, 3, 8829-8835.	3.5	12
57	Morphological changes of calcite single crystals induced by grapheneâ€“biomolecule adducts. Journal of Crystal Growth, 2017, 457, 356-361.	1.5	6
58	Preface â€“ ECCG5. Journal of Crystal Growth, 2017, 457, 1.	1.5	0
59	Ocean warming and acidification synergistically increase coral mortality. Scientific Reports, 2017, 7, 40842.	3.3	75
60	Growth, population dynamics, and reproductive output model of the nonâ€zooxanthellate temperate solitary coral Caryophyllia inornata (Scleractinia, Caryophylliidae). Limnology and Oceanography, 2017, 62, 1111-1121.	3.1	5
61	Synthesis of calcium carbonate in trace water environments. Chemical Communications, 2017, 53, 4811-4814.	4.1	12
62	Effects of magnesium and temperature control on aragonite crystal aggregation and morphology. CrystEngComm, 2017, 19, 2451-2455.	2.6	16
63	Reproduction of an azooxanthellate coral is unaffected by ocean acidification. Scientific Reports, 2017, 7, 13049.	3.3	10
64	Ecological relevance of skeletal fatty acid concentration and composition in Mediterranean scleractinian corals. Scientific Reports, 2017, 7, 1929.	3.3	8
65	Exploitation of mussel byssus mariculture waste as a water remediation material. RSC Advances, 2017, 7, 36605-36611.	3.6	13
66	Calcifying Response and Recovery Potential of the Brown Alga Padina pavonica under Ocean Acidification. ACS Earth and Space Chemistry, 2017, 1, 316-323.	2.7	11
67	Crystallization of Calcium Carbonate in Alginate and Xanthan Hydrogels. Crystals, 2017, 7, 355.	2.2	24
68	Reproductive output of a non-zooxanthellate temperate coral is unaffected by temperature along an extended latitudinal gradient. PLoS ONE, 2017, 12, e0171051.	2.5	5
69	Bioinspired Nanocomposites: Ordered 2D Materials Within a 3D Lattice. Advanced Functional Materials, 2016, 26, 5569-5575.	14.9	23
70	Shell properties of commercial clam Chamelea gallina are influenced by temperature and solar radiation along a wide latitudinal gradient. Scientific Reports, 2016, 6, 36420.	3.3	22
71	Polypeptide effect on Mg²⁺hydration inferred from CaCO₃formation: a biomineralization study by counter-diffusion. CrystEngComm, 2016, 18, 3265-3272.	2.6	13
72	The down-regulation of the genes encoding Isoamylase 1 alters the starch composition of the durum wheat grain. Plant Science, 2016, 252, 230-238.	3.6	14

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73	Role of CaCO₃Â° Neutral Pair in Calcium Carbonate Crystallization. Crystal Growth and Design, 2016, 16, 4173-4177.	3.0	22
74	Influence of intra-skeletal coral lipids on calcium carbonate precipitation. CrystEngComm, 2016, 18, 8829-8833.	2.6	14
75	Inferred calcification rate of a temperate azooxanthellate caryophylliid coral along a wide latitudinal gradient. Coral Reefs, 2016, 35, 919-928.	2.2	8
76	Relationships between growth, population dynamics, and environmental parameters in the solitary non-zooxanthellate scleractinian coral Caryophyllia inornata along a latitudinal gradient in the Mediterranean Sea. Coral Reefs, 2016, 35, 507-519.	2.2	14
77	Tuning Cysteine Reactivity and Sulfenic Acid Stability by Protein Microenvironment in Glyceraldehyde-3-Phosphate Dehydrogenases ofArabidopsis thaliana. Antioxidants and Redox Signaling, 2016, 24, 502-517.	5.4	31
78	Latitudinal variations in biometry and population density of a <scp>M</scp>editerranean solitary coral. Limnology and Oceanography, 2015, 60, 1356-1370.	3.1	17
79	Calcite Single Crystals as Hosts for Atomicâ€Scale Entrapment and Slow Release of Drugs. Advanced Healthcare Materials, 2015, 4, 1510-1516.	7.6	32
80	Negative response of photosynthesis to natural and projected high seawater temperatures estimated by pulse amplitude modulation fluorometry in a temperate coral. Frontiers in Physiology, 2015, 6, 317.	2.8	15
81	Skeletal mechanical properties of Mediterranean corals along a wide latitudinal gradient. Coral Reefs, 2015, 34, 121-132.	2.2	14
82	Calcium carbonate crystallization in tailored constrained environments. CrystEngComm, 2015, 17, 5953-5961.	2.6	16
83	Shaping calcite crystals by customized self-assembling pseudopeptide foldamers. CrystEngComm, 2015, 17, 116-123.	2.6	7
84	Gains and losses of coral skeletal porosity changes with ocean acidification acclimation. Nature Communications, 2015, 6, 7785.	12.8	106
85	Coral biomineralization: A focus on intra-skeletal organic matrix and calcification. Seminars in Cell and Developmental Biology, 2015, 46, 17-26.	5.0	71
86	Unravelling the shape and structural assembly of the photosynthetic GAPDHâ€“CP12â€“PRK complex fromArabidopsis thalianaby small-angle X-ray scattering analysis. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 2372-2385.	2.5	13
87	Annual Reproductive Cycle and Unusual Embryogenesis of a Temperate Coral in the Mediterranean Sea. PLoS ONE, 2015, 10, e0141162.	2.5	10
88	Reproductive Efficiency of a Mediterranean Endemic Zooxanthellate Coral Decreases with Increasing Temperature along a Wide Latitudinal Gradient. PLoS ONE, 2014, 9, e91792.	2.5	24
89	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.	1.3	17
90	Solidâ€State Properties and Vibrational Circular Dichroism Spectroscopy in Solution of Hybrid Foldamers Stereoisomeric Mixtures. ChemPlusChem, 2014, 79, 114-121.	2.8	6

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91	Biomineralization control related to population density under ocean acidification. Nature Climate Change, 2014, 4, 593-597.	18.8	68
92	Analytical pyrolysis-based study on intra-skeletal organic matrices from Mediterranean corals. Analytical and Bioanalytical Chemistry, 2014, 406, 6021-6033.	3.7	16
93	Crystallization of CaCO₃ in the Presence of Ethanolamine Reveals Transient Meso-like Crystals. Crystal Growth and Design, 2014, 14, 5922-5928.	3.0	3
94	Biomineralization in Mediterranean Corals: The Role of the Intraskeletal Organic Matrix. Crystal Growth and Design, 2014, 14, 4310-4320.	3.0	30
95	C₆₀@Lysozyme: Direct Observation by Nuclear Magnetic Resonance of a 1:1 Fullerene Protein Adduct. ACS Nano, 2014, 8, 1871-1877.	14.6	70
96	Exploring coral biomineralization in gelling environments by means of a counter diffusion system. CrystEngComm, 2014, 16, 1257-1267.	2.6	20
97	Gene expression profiles during shortâ€term heat stress in the red sea coral Stylophora pistillata. Global Change Biology, 2014, 20, 3026-3035.	9.5	81
98	Customizing Properties of Î²-Chitin in Squid Pen (Gladius) by Chemical Treatments. Marine Drugs, 2014, 12, 5979-5992.	4.6	31
99	New Starch Phenotypes Produced by TILLING in Barley. PLoS ONE, 2014, 9, e107779.	2.5	59
100	The strategic role of adsorption phenomena in biomineralization. Crystal Research and Technology, 2013, 48, 864-876.	1.3	20
101	Morphological and mechanical characterization of composite calcite/SWCNTâ€“COOH single crystals. Nanoscale, 2013, 5, 6944.	5.6	20
102	A Time-Domain Nuclear Magnetic Resonance Study of Mediterranean Scleractinian Corals Reveals Skeletal-Porosity Sensitivity to Environmental Changes. Environmental Science & Technology, 2013, 47, 12679-12686.	10.0	22
103	Influence of Charged Polypeptides on Nucleation and Growth of CaCO₃ Evaluated by Counterdiffusion Experiments. Crystal Growth and Design, 2013, 13, 3884-3891.	3.0	30
104	A complementary approach using analytical pyrolysis to evaluate collagen degradation and mineral fossilisation in archaeological bones: The case study of Vicenne-Campochiaro necropolis (Italy). Journal of Analytical and Applied Pyrolysis, 2013, 100, 173-180.	5.5	43
105	Shaping Calcite Crystals by Means of Comb Polyelectrolytes Having Neutral Hydrophilic Teeth. Langmuir, 2013, 29, 1938-1947.	3.5	11
106	Heterogeneous Crystallization of Proteins: Is it a Prenucleation Clusters Mediated Process?. Crystal Growth and Design, 2013, 13, 3110-3115.	3.0	21
107	Control of aragonite deposition in colonial corals by intra-skeletal macromolecules. Journal of Structural Biology, 2013, 183, 226-238.	2.8	47
108	The Influence of a Protein Fragment Extracted from Abalone Shell Green Layer on the Precipitation of Calcium Carbonate Polymorphs in Aqueous Media. Croatica Chemica Acta, 2013, 86, 39-47.	0.4	3

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109	Conformational Selection of Ubiquitin Quaternary Structures Driven by Zinc Ions. Chemistry - A European Journal, 2013, 19, 15480-15484.	3.3	5
110	Photoacoustics: a novel application to the determination of photosynthetic efficiency in zooxanthellate hermatypes. Limnology and Oceanography: Methods, 2013, 11, 374-381.	2.0	2
111	A peptidic hydrogel that may behave as a â€œTrojan Horseâ€. Beilstein Journal of Organic Chemistry, 2013, 9, 417-424.	2.2	17
112	Acellular Bone Colonization and Aggregate Culture Conditions Diversely Influence Murine Periosteum Mesenchymal Stem Cell Differentiation Potential in Long-Term In Vitro Osteoinductive Conditions. Tissue Engineering - Part A, 2012, 18, 1509-1519.	3.1	4
113	The puzzling presence of calcite in skeletons of modern solitary corals from the Mediterranean Sea. Geochimica Et Cosmochimica Acta, 2012, 85, 187-199.	3.9	28
114	Structural Changes in a Protein Fragment from Abalone Shell during the Precipitation of Calcium Carbonate. Chemistry - A European Journal, 2012, 18, 14367-14374.	3.3	8
115	Growth and Demography of the Solitary Scleractinian Coral Leptopsammia pruvoti along a Sea Surface Temperature Gradient in the Mediterranean Sea. PLoS ONE, 2012, 7, e37848.	2.5	37
116	Dental Pulp Stem Cells Differentiation Reveals New Insights in Oct4A Dynamics. PLoS ONE, 2012, 7, e41774.	2.5	52
117	Unusual pattern of embryogenesis of Caryophyllia inornata (scleractinia, caryophylliidae) in the mediterranean sea: Maybe agamic reproduction?. Journal of Morphology, 2012, 273, 943-956.	1.2	20
118	Unusual Catalysts from Molasses: Synthesis, Properties and Application in Obtaining Biofuels from Algae. ChemSusChem, 2012, 5, 1501-1512.	6.8	15
119	Conformational Selection and Folding-upon-binding of Intrinsically Disordered Protein CP12 Regulate Photosynthetic Enzymes Assembly. Journal of Biological Chemistry, 2012, 287, 21372-21383.	3.4	57
120	Analytical pyrolysis of dipeptides containing proline and amino acids with polar side chains. Novel 2,5-diketopiperazine markers in the pyrolysates of proteins. Journal of Analytical and Applied Pyrolysis, 2012, 95, 145-155.	5.5	99
121	Hetero- vs Homogeneous Nucleation of Protein Crystals Discriminated by Supersaturation. Crystal Growth and Design, 2011, 11, 1542-1548.	3.0	26
122	Mineralization of Calcium Carbonates in Gelling Media. Crystal Growth and Design, 2011, 11, 269-277.	3.0	24
123	Adipose Tissue-Derived Stem Cell in Vitro Differentiation in a Three-Dimensional Dental Bud Structure. American Journal of Pathology, 2011, 178, 2299-2310.	3.8	36
124	Calcium phosphate scaffold from biogenic calcium carbonate by fast ambient condition reactions. Journal of Crystal Growth, 2011, 336, 50-55.	1.5	7
125	Environmental implications of skeletal micro-density and porosity variation in two scleractinian corals. Zoology, 2011, 114, 255-264.	1.2	49
126	Formation of gels in the presence of metal ions. Amino Acids, 2011, 41, 609-620.	2.7	18

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127	<scp>L</scp>â€Pheâ€<scp>D</scp>â€Oxd: A Privileged Scaffold for the Formation of Supramolecular Materials. European Journal of Organic Chemistry, 2011, 2011, 3082-3088.	2.4	17
128	Crystallographic Analysis of Metalâ€Ion Binding to Human Ubiquitin. Chemistry - A European Journal, 2011, 17, 1569-1578.	3.3	25
129	Kinetic Approach to Biomineralization: Interactions of Synthetic Polypeptides with Calcium Carbonate Polymorphs. Croatica Chemica Acta, 2011, 84, 301-314.	0.4	5
130	The Skeletal Organic Matrix from Mediterranean Coral Balanophyllia europaea Influences Calcium Carbonate Precipitation. PLoS ONE, 2011, 6, e22338.	2.5	69
131	Effects of initial supersaturation on spontaneous precipitation of calcium carbonate in the presence of charged poly-l-amino acids. Journal of Colloid and Interface Science, 2010, 343, 553-563.	9.4	65
132	Biochemical and Biophysical Analyses of Tissue-Engineered Bone Obtained from Three-Dimensional Culture of a Subset of Bone Marrow Mesenchymal Stem Cells. Tissue Engineering - Part A, 2010, 16, 3657-3667.	3.1	15
133	Pseudopeptides Designed to Form Supramolecular Helixes: The Role of the Stereogenic Centers. Crystal Growth and Design, 2010, 10, 923-929.	3.0	15
134	Crystallographic Control of the Hydrothermal Conversion of Calcitic Sea Urchin Spine (Paracentrotus lividus) into Apatite. Crystal Growth and Design, 2010, 10, 5227-5232.	3.0	25
135	A Network of Small Molecules Connected by Cross-Linked NH Bonds. Crystal Growth and Design, 2010, 10, 244-251.	3.0	6
136	Calcium Carbonate Morphology and Structure in the Presence of Seawater Ions and Humic Acids. Crystal Growth and Design, 2009, 9, 2065-2072.	3.0	71
137	Rhodium/Graphite-Catalyzed Hydrogenation of Carbocyclic and Heterocyclic Aromatic Compounds. Synthesis, 2009, 2009, 2440-2446.	2.3	5
138	Nanofibers from Oxazolidiâ€2â€one Containing Hybrid Foldamers: What is the Right Molecular Size?. Chemistry - A European Journal, 2009, 15, 8037-8048.	3.3	38
139	Hydroxyapatite synthesis from biogenic calcite single crystals into phosphate solutions at ambient conditions. Journal of Crystal Growth, 2009, 311, 4219-4225.	1.5	23
140	Calcite Crystal Growth Kinetics in the Presence of Charged Synthetic Polypeptides. Crystal Growth and Design, 2009, 9, 2425-2434.	3.0	54
141	Mathematical form factor studies on the effect of water on airborne particles morphology using a bi-dimensional TEM image processing. Journal of Environmental Monitoring, 2009, 11, 181-186.	2.1	1
142	Calcite Morphology and Aggregation in the Presence of Comb-like Polymers Adsorbed on Cement Particles. Crystal Growth and Design, 2009, 9, 2240-2247.	3.0	8
143	Crystallization of proteins on functionalized surfaces. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1054-1061.	2.5	29
144	A Fiberlike Peptide Material Stabilized by Single Intermolecular Hydrogen Bonds. Angewandte Chemie - International Edition, 2008, 47, 8075-8078.	13.8	39

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145	The activity of nanopowder and mesoporous titanium catalysts for the analysis of fatty acids in triglycerides by pyrolysis methylation with dimethyl carbonate. Journal of Analytical and Applied Pyrolysis, 2008, 82, 248-254.	5.5	12
146	Influence of some polysaccharides on the production of calcium carbonate filler particles. Journal of Crystal Growth, 2008, 310, 4554-4560.	1.5	57
147	Adsorption and Conformational Change of Myoglobin on Biomimetic Hydroxyapatite Nanocrystals Functionalized with Alendronate. Langmuir, 2008, 24, 4924-4930.	3.5	78
148	Structural probing of Zn(ii), Cd(ii) and Hg(ii) binding to human ubiquitin. Chemical Communications, 2008, , 5960.	4.1	24
149	Influence on the SBA-3 Structure by Alkaline or Alkaline Earth Ions. Chemistry Letters, 2008, 37, 414-415.	1.3	0
150	Molecular mechanism of thioredoxin regulation in photosynthetic A2B2-glyceraldehyde-3-phosphate dehydrogenase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11109-11114.	7.1	76
151	Polymeric admixtures effects on calcium carbonate crystallization: relevance to cement industries and biomineralization. CrystEngComm, 2007, 9, 1162.	2.6	26
152	Thioredoxin-dependent regulation of photosynthetic glyceraldehyde-3-phosphate dehydrogenase: autonomous vs. CP12-dependent mechanisms. Photosynthesis Research, 2006, 89, 263-275.	2.9	90
153	Interaction of Bovine Serum Albumin with Chrysotile: Spectroscopic and Morphological Studies. Chemistry - A European Journal, 2006, 12, 1968-1974.	3.3	26
154	Geoinspired synthetic chrysotile nanotubes. Journal of Materials Research, 2006, 21, 2711-2725.	2.6	43
155	Influence on the Formation of Aragonite or Vaterite by Otolith Macromolecules. European Journal of Inorganic Chemistry, 2005, 2005, 162-167.	2.0	86
156	Supramolecular Assembly of Amelogenin Nanospheres into Birefringent Microribbons. Science, 2005, 307, 1450-1454.	12.6	327
157	Incorporation of Inorganic Anions in Calcite. European Journal of Inorganic Chemistry, 2004, 2004, 4579-4585.	2.0	58
158	Effect of Inorganic Anions on the Morphology and Structure of Magnesium Calcite. Chemistry - A European Journal, 2004, 10, 1647-1656.	3.3	86
159	Tubular-Shaped Stoichiometric Chrysotile Nanocrystals. Chemistry - A European Journal, 2004, 10, 3043-3049.	3.3	128
160	Films of self-assembled purely helical type I collagen molecules. Journal of Materials Chemistry, 2004, 14, 2297.	6.7	44
161	Chitin Mineralization. Tissue Engineering, 2004, 10, 1-6.	4.6	84
162	Coenzyme Site-directed Mutants of Photosynthetic A4-GAPDH Show Selectively Reduced NADPH-dependent Catalysis, Similar to Regulatory AB-GAPDH Inhibited by Oxidized Thioredoxin. Journal of Molecular Biology, 2004, 340, 1025-1037.	4.2	40

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163	Chitin-Silk Fibroin Interactions: Relevance to Calcium Carbonate Formation in Invertebrates. Calcified Tissue International, 2003, 72, 548-554.	3.1	88
164	Interaction of acidic poly-amino acids with octacalcium phosphate. Journal of Inorganic Biochemistry, 2003, 95, 291-296.	3.5	42
165	Biologically inspired growth of hydroxyapatite nanocrystals inside self-assembled collagen fibers. Materials Science and Engineering C, 2003, 23, 441-446.	7.3	128
166	Crystallization and preliminary X-ray diffraction analysis of two ribosome-inactivating proteins: lychnin and dianthin 30. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1227-1229.	2.5	7
167	A new method for the detection of low levels of free fibres of chrysotile in contaminated soils by X-ray powder diffraction. Journal of Environmental Monitoring, 2003, 5, 654.	2.1	3
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