

# Lia Addadi

## List of Publications by Year in descending order

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198  
papers

23,315  
citations

10986

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docs citations

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times ranked

15678  
citing authors

#	ARTICLE	IF	CITATIONS
1	The shell microstructure of the pteropod <i>Creseis acicula</i> is composed of nested arrays of S-shaped aragonite fibers: A unique biological material. <i>MRS Bulletin</i> , 2022, 47, 18-28.	3.5	6
2	Structural organization of xanthine crystals in the median ocellus of a member of the ancestral insect group Archaeognatha. <i>Journal of Structural Biology</i> , 2022, 214, 107834.	2.8	4
3	Polymorphism, Structure, and Nucleation of Cholesterol $\cdot$ 2H $_2$ O at Aqueous Interfaces and in Pathological Media: Revisited from a Computational Perspective. <i>Journal of the American Chemical Society</i> , 2022, 144, 5304-5314.	13.7	8
4	Crystalline Cholesterol: The Material and Its Assembly Lines. <i>Annual Review of Materials Research</i> , 2022, 52, .	9.3	3
5	Biogenic Guanine Crystals Are Solid Solutions of Guanine and Other Purine Metabolites. <i>Journal of the American Chemical Society</i> , 2022, 144, 5180-5189.	13.7	26
6	The Non-Classical Crystallization Mechanism of a Composite Biogenic Guanine Crystal. <i>Advanced Materials</i> , 2022, 34, .	21.0	16
7	Fluorescent Silica Nanoparticles to Label Metastatic Tumor Cells in Mineralized Bone Microenvironments. <i>Small</i> , 2021, 17, e2001432.	10.0	14
8	Measuring the optical properties of nanoscale biogenic spherulites. <i>Optics Express</i> , 2021, 29, 20863.	3.4	5
9	Functional Molecular Crystals in Biology. <i>Israel Journal of Chemistry</i> , 2021, 61, 668-678.	2.3	12
10	Characterization of the growth plate-bone interphase region using cryo-FIB SEM 3D volume imaging. <i>Journal of Structural Biology</i> , 2021, 213, 107781.	2.8	9
11	Heroes of Stereochemistry and Crystals. <i>Israel Journal of Chemistry</i> , 2021, 61, 681-682.	2.3	1
12	Ion Pathways in Biomineralization: Perspectives on Uptake, Transport, and Deposition of Calcium, Carbonate, and Phosphate. <i>Journal of the American Chemical Society</i> , 2021, 143, 21100-21112.	13.7	44
13	Mineralization pathways in the active murine epiphyseal growth plate. <i>Bone</i> , 2020, 130, 115086.	2.9	25
14	A highly reflective biogenic photonic material from core-shell birefringent nanoparticles. <i>Nature Nanotechnology</i> , 2020, 15, 138-144.	31.5	26
15	Biomineralization pathways in calcifying dinoflagellates: Uptake, storage in MgCaP-rich bodies and formation of the shell. <i>Acta Biomaterialia</i> , 2020, 102, 427-439.	8.3	27
16	Cellular pathways of calcium transport and concentration toward mineral formation in sea urchin larvae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30957-30965.	7.1	37
17	Characterization and possible function of an enigmatic reflector in the eye of the shrimp <i>Litopenaeus vannamei</i> . <i>Faraday Discussions</i> , 2020, 223, 278-294.	3.2	2
18	Natural Photonic Structures from Birefringent Core-Shell Nanoparticles. <i>Optics and Photonics News</i> , 2020, 31, 51.	0.5	0

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19	Animal Eyes: Filtering Out the Background. <i>Current Biology</i> , 2019, 29, R938-R941.	3.9	1
20	Structure and Morphology of Light-Reflecting Synthetic and Biogenic Polymorphs of Isoxanthopterin: A Comparison. <i>Chemistry of Materials</i> , 2019, 31, 4479-4489.	6.7	12
21	Anhydrous $\hat{I}^2$ -guanine crystals in a marine dinoflagellate: Structure and suggested function. <i>Journal of Structural Biology</i> , 2019, 207, 12-20.	2.8	32
22	The Effect of the Phospholipid Bilayer Environment on Cholesterol Crystal Polymorphism. <i>ChemPlusChem</i> , 2019, 84, 317-317.	2.8	1
23	Intercellular pathways from the vasculature to the forming bone in the zebrafish larval caudal fin: Possible role in bone formation. <i>Journal of Structural Biology</i> , 2019, 206, 139-148.	2.8	30
24	The Pteropod <i>Creseis acicula</i> Forms Its Shell through a Disordered Nascent Aragonite Phase. <i>Crystal Growth and Design</i> , 2019, 19, 2564-2573.	3.0	12
25	A 3D study of the relationship between leaf vein structure and mechanical function. <i>Acta Biomaterialia</i> , 2019, 88, 111-119.	8.3	15
26	The Effect of the Phospholipid Bilayer Environment on Cholesterol Crystal Polymorphism. <i>ChemPlusChem</i> , 2019, 84, 338-344.	2.8	12
27	Guanine and 7,8-Dihydroxanthopterin Reflecting Crystals in the Zander Fish Eye: Crystal Locations, Compositions, and Structures. <i>Journal of the American Chemical Society</i> , 2019, 141, 19736-19745.	13.7	18
28	Optically functional isoxanthopterin crystals in the mirrored eyes of decapod crustaceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2299-2304.	7.1	39
29	Mineral Deposits in <i>Ficus</i> Leaves: Morphologies and Locations in Relation to Function. <i>Plant Physiology</i> , 2018, 176, 1751-1763.	4.8	34
30	Macrophages Shed Excess Cholesterol in Unique Extracellular Structures Containing Cholesterol Microdomains. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1504-1518.	2.4	21
31	Cholesterol-Enriched Macrophages Shed Cholesterol Microdomains Into the Extracellular Matrix. <i>Atherosclerosis Supplements</i> , 2018, 32, 93-94.	1.2	0
32	Two polymorphic cholesterol monohydrate crystal structures form in macrophage culture models of atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7662-7669.	7.1	46
33	Crystallization of Organic Molecules: Nonclassical Mechanism Revealed by Direct Imaging. <i>ACS Central Science</i> , 2018, 4, 1031-1036.	11.3	88
34	Characterization of unusual MgCa particles involved in the formation of foraminifera shells using a novel quantitative cryo SEM/EDS protocol. <i>Acta Biomaterialia</i> , 2018, 77, 342-351.	8.3	26
35	The Organic Crystalline Materials of Vision: Structure–Function Considerations from the Nanometer to the Millimeter Scale. <i>Advanced Materials</i> , 2018, 30, e1800006.	21.0	38
36	On the Phase Diagram of Calcium Carbonate Solutions. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600076.	3.7	33

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37	Surface microtopography modulates sealing zone development in osteoclasts cultured on bone. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160958.	3.4	15
38	Rosarium Philosophorum – Structural Chemistry, in Dedication to Jack Dunitz. <i>Israel Journal of Chemistry</i> , 2017, 57, 7-8.	2.3	1
39	Biologically Controlled Morphology and Twinning in Guanine Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9420-9424.	13.8	36
40	Light Manipulation by Guanine Crystals in Organisms: Biogenic Scatterers, Mirrors, Multilayer Reflectors and Photonic Crystals. <i>Advanced Functional Materials</i> , 2017, 27, 1603514.	14.9	125
41	Biologically Controlled Morphology and Twinning in Guanine Crystals. <i>Angewandte Chemie</i> , 2017, 129, 9548-9552.	2.0	25
42	Plants and Light Manipulation: The Integrated Mineral System in Okra Leaves. <i>Advanced Science</i> , 2017, 4, 1600416.	11.2	33
43	The image-forming mirror in the eye of the scallop. <i>Science</i> , 2017, 358, 1172-1175.	12.6	90
44	Zebrafish skeleton development: High resolution micro-CT and FIB-SEM block surface serial imaging for phenotype identification. <i>PLoS ONE</i> , 2017, 12, e0177731.	2.5	18
45	Koi Fish – Scale Iridophore Cells Orient Guanine Crystals to Maximize Light Reflection. <i>ChemPlusChem</i> , 2017, 82, 914-923.	2.8	14
46	Bone mineralization pathways during the rapid growth of embryonic chicken long bones. <i>Journal of Structural Biology</i> , 2016, 195, 82-92.	2.8	64
47	Cryo-FIB-SEM serial milling and block face imaging: Large volume structural analysis of biological tissues preserved close to their native state. <i>Journal of Structural Biology</i> , 2016, 196, 487-495.	2.8	71
48	Mineral Formation in the Larval Zebrafish Tail Bone Occurs via an Acidic Disordered Calcium Phosphate Phase. <i>Journal of the American Chemical Society</i> , 2016, 138, 14481-14487.	13.7	62
49	ABCA1 (ATP-Binding Cassette Transporter A1) Mediates ApoA-I (Apolipoprotein A-I) and ApoA-I Mimetic Peptide Mobilization of Extracellular Cholesterol Microdomains Deposited by Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 2283-2291.	2.4	18
50	Guanine Crystallization in Aqueous Solutions Enables Control over Crystal Size and Polymorphism. <i>Crystal Growth and Design</i> , 2016, 16, 4975-4980.	3.0	54
51	Development of Correlative Cryo-soft X-ray Tomography and Stochastic Reconstruction Microscopy. A Study of Cholesterol Crystal Early Formation in Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 14931-14940.	13.7	44
52	Calcium transport into the cells of the sea urchin larva in relation to spicule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12637-12642.	7.1	74
53	Light-Induced Color Change in the Sapphirinid Copepods: Tunable Photonic Crystals. <i>Advanced Functional Materials</i> , 2016, 26, 1393-1399.	14.9	48
54	Control of Biogenic Nanocrystal Formation in Biomineralization. <i>Israel Journal of Chemistry</i> , 2016, 56, 227-241.	2.3	28

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55	Biom mineralization pathways in a foraminifer revealed using a novel correlative cryo-fluorescenceâ€“SEMâ€“EDS technique. <i>Journal of Structural Biology</i> , 2016, 196, 155-163.	2.8	34
56	Study of Osteoclast Adhesion to Cortical Bone Surfaces: A Correlative Microscopy Approach for Concomitant Imaging of Cellular Dynamics and Surface Modifications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14932-14943.	8.0	13
57	Transport of membrane-bound mineral particles in blood vessels during chicken embryonic bone development. <i>Bone</i> , 2016, 83, 65-72.	2.9	62
58	The Mechanism of Color Change in the Neon Tetra Fish: a Lightâ€“Induced Tunable Photonic Crystal Array. <i>Angewandte Chemie</i> , 2015, 127, 12603-12607.	2.0	16
59	The Mechanism of Color Change in the Neon Tetra Fish: a Lightâ€“Induced Tunable Photonic Crystal Array. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12426-12430.	13.8	152
60	Opposite Particle Size Effect on Amorphous Calcium Carbonate Crystallization in Water and during Heating in Air. <i>Chemistry of Materials</i> , 2015, 27, 4237-4246.	6.7	80
61	On the pathway of mineral deposition in larval zebrafish caudal fin bone. <i>Bone</i> , 2015, 75, 192-200.	2.9	74
62	â€œGuanigmaâ€ The Revised Structure of Biogenic Anhydrous Guanine. <i>Chemistry of Materials</i> , 2015, 27, 8289-8297.	6.7	74
63	Mineral-bearing vesicle transport in sea urchin embryos. <i>Journal of Structural Biology</i> , 2015, 192, 358-365.	2.8	46
64	The gizzard plates in the Cephalaspidean gastropod <i>Philine quadripartita</i> : Analysis of structure and function. <i>Quaternary International</i> , 2015, 390, 4-14.	1.5	6
65	Phosphateâ€“Water Interplay Tunes Amorphous Calcium Carbonate Metastability: Spontaneous Phase Separation and Crystallization vs Stabilization Viewed by Solid State NMR. <i>Journal of the American Chemical Society</i> , 2015, 137, 990-998.	13.7	76
66	Formation of 3D Cholesterol Crystals from 2D Nucleation Sites in Lipid Bilayer Membranes: Implications for Atherosclerosis. <i>Journal of the American Chemical Society</i> , 2015, 137, 1601-1607.	13.7	42
67	Structural Basis for the Brilliant Colors of the Sapphirinid Copepods. <i>Journal of the American Chemical Society</i> , 2015, 137, 8408-8411.	13.7	89
68	A perspective on underlying crystal growth mechanisms in biomineralization: solution mediated growth versus nanosphere particle accretion. <i>CrystEngComm</i> , 2015, 17, 2606-2615.	2.6	82
69	ABCA1 contributes to macrophage deposition of extracellular cholesterol. <i>Journal of Lipid Research</i> , 2015, 56, 1720-1726.	4.2	20
70	Mechanisms of crystal formation in goutâ€“a structural approach. <i>Nature Reviews Rheumatology</i> , 2015, 11, 725-730.	8.0	79
71	Abstract 534: Abca1 Mediates Macrophage Deposition of Cholesterol Into the Extracellular Matrix. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, .	2.4	0
72	Biom mineralization: mineral formation by organisms. <i>Physica Scripta</i> , 2014, 89, 098003.	2.5	95

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73	The Structural Basis for Enhanced Silver Reflectance in Koi Fish Scale and Skin. Journal of the American Chemical Society, 2014, 136, 17236-17242.	13.7	61
74	ABCG1-mediated generation of extracellular cholesterol microdomains. Journal of Lipid Research, 2014, 55, 115-127.	4.2	32
75	Initial stages of calcium uptake and mineral deposition in sea urchin embryos. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 39-44.	7.1	142
76	Infrared Absorption Spectrum of Brushite from First Principles. Chemistry of Materials, 2014, 26, 2934-2942.	6.7	41
77	Oxygen Spectroscopy and Polarization-Dependent Imaging Contrast (PIC)-Mapping of Calcium Carbonate Minerals and Biominerals. Journal of Physical Chemistry B, 2014, 118, 8449-8457.	2.6	60
78	Particle Accretion Mechanism Underlies Biological Crystal Growth from an Amorphous Precursor Phase. Advanced Functional Materials, 2014, 24, 5420-5426.	14.9	132
79	Acute calcific band keratopathy: Case report and literature review. Journal of Cataract and Refractive Surgery, 2013, 39, 292-294.	1.5	18
80	Calcite Crystal Growth by a Solid-State Transformation of Stabilized Amorphous Calcium Carbonate Nanospheres in a Hydrogel. Angewandte Chemie - International Edition, 2013, 52, 4867-4870.	13.8	88
81	Guanine-Based Photonic Crystals in Fish Scales Form from an Amorphous Precursor. Angewandte Chemie - International Edition, 2013, 52, 388-391.	13.8	60
82	Accumulation of Ordered Ceramide-Cholesterol Domains in Farber Disease Fibroblasts. JIMD Reports, 2013, 12, 71-77.	1.5	14
83	Effects of surface microtopography on the assembly of the osteoclast resorption apparatus. Journal of the Royal Society Interface, 2012, 9, 1599-1608.	3.4	39
84	Involvement of actin polymerization in podosome dynamics. Journal of Cell Science, 2012, 125, 1666-72.	2.0	70
85	Transient precursor amorphous phases in biomineralization. In the footsteps of Heinz A. Lowenstam. Zeitschrift Fur Kristallographie - Crystalline Materials, 2012, 227, 711-717.	0.8	23
86	Spontaneous Formation of Two-Dimensional and Three-Dimensional Cholesterol Crystals in Single Hydrated Lipid Bilayers. Biophysical Journal, 2012, 103, 255-264.	0.5	37
87	Plant Cystoliths: A Complex Functional Biocomposite of Four Distinct Silica and Amorphous Calcium Carbonate Phases. Chemistry - A European Journal, 2012, 18, 10262-10270.	3.3	49
88	Certain Biominerals in Leaves Function as Light Scatterers. Advanced Materials, 2012, 24, OP77-83.	21.0	74
89	Atomic order of aragonite crystals formed by mollusks. CrystEngComm, 2011, 13, 6780.	2.6	23
90	Mineral and Matrix Components of the Operculum and Shell of the Barnacle <i>Balanus amphitrite</i> : Calcite Crystal Growth in a Hydrogel. Crystal Growth and Design, 2011, 11, 5122-5130.	3.0	35

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91	Crystallization Pathways in Biomineralization. Annual Review of Materials Research, 2011, 41, 21-40.	9.3	456
92	Crystallization Pathways in Bone. Cells Tissues Organs, 2011, 194, 92-97.	2.3	52
93	Formation of Aragonite Crystals in the Crossed Lamellar Microstructure of Limpet Shells. Crystal Growth and Design, 2011, 11, 4850-4859.	3.0	33
94	Bone mineralization proceeds through intracellular calcium phosphate loaded vesicles: A cryo-electron microscopy study. Journal of Structural Biology, 2011, 174, 527-535.	2.8	227
95	Intracellular localization of organized lipid domains of C16-ceramide/cholesterol. Journal of Structural Biology, 2011, 175, 21-30.	2.8	17
96	Substrate Adhesion Regulates Sealing Zone Architecture and Dynamics in Cultured Osteoclasts. PLoS ONE, 2011, 6, e28583.	2.5	41
97	Decoupling Local Disorder and Optical Effects in Infrared Spectra: Differentiating Between Calcites with Different Origins. Advanced Materials, 2011, 23, 550-554.	21.0	91
98	Crystalline Lipid Domains: Characterization by X-Ray Diffraction and their Relation to Biology. Angewandte Chemie - International Edition, 2011, 50, 3620-3629.	13.8	48
99	Inside Cover: Crystalline Lipid Domains: Characterization by X-Ray Diffraction and their Relation to Biology (Angew. Chem. Int. Ed. 16/2011). Angewandte Chemie - International Edition, 2011, 50, 3576-3576.	13.8	1
100	Guanine-Based Biogenic Photonic Crystal Arrays in Fish and Spiders. Advanced Functional Materials, 2010, 20, 320-329.	14.9	136
101	Nano-topography sensing by osteoclasts. Journal of Cell Science, 2010, 123, 1503-1510.	2.0	95
102	Extracellular cholesterol-rich microdomains generated by human macrophages and their potential function in reverse cholesterol transport. Journal of Lipid Research, 2010, 51, 2303-2313.	4.2	32
103	Mapping amorphous calcium phosphate transformation into crystalline mineral from the cell to the bone in zebrafish fin rays. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6316-6321.	7.1	389
104	The Stabilizing Effect of Silicate on Biogenic and Synthetic Amorphous Calcium Carbonate. Journal of the American Chemical Society, 2010, 132, 13208-13211.	13.7	71
105	Crystalline Domain Structure and Cholesterol Crystal Nucleation in Single Hydrated DPPC:Cholesterol:POPC Bilayers. Journal of the American Chemical Society, 2010, 132, 9920-9927.	13.7	70
106	Relation between Serum Amyloid A Truncated Peptides and Their Suprastructure Chirality. Journal of the American Chemical Society, 2010, 132, 4242-4248.	13.7	45
107	Role of Magnesium Ion in the Stabilization of Biogenic Amorphous Calcium Carbonate: A Structure-Function Investigation. Chemistry of Materials, 2010, 22, 161-166.	6.7	204
108	Distinguishing between calcites formed by different mechanisms using infrared spectrometry: archaeological applications. Journal of Archaeological Science, 2010, 37, 3022-3029.	2.4	182

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109	The grinding tip of the sea urchin tooth exhibits exquisite control over calcite crystal orientation and Mg distribution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6048-6053.	7.1	161
110	Handbook of Biomineralization. Herausgegeben von Edmund Bäuerlein, Peter Behrens und Matthias Epple.. Angewandte Chemie, 2009, 121, 861-862.	2.0	0
111	Surface-Induced Regulation of Podosome Organization and Dynamics in Cultured Osteoclasts. ChemBioChem, 2009, 10, 158-165.	2.6	45
112	Structure of Cholesterol/Lipid Ordered Domains in Monolayers and Single Hydrated Bilayers. Angewandte Chemie - International Edition, 2009, 48, 8958-8961.	13.8	37
113	Overview of the amorphous precursor phase strategy in biomineralization. Frontiers of Materials Science in China, 2009, 3, 104-108.	0.5	97
114	Sea Urchin Tooth Design: An All-Calcite Polycrystalline Reinforced Fiber Composite for Grinding Rocks. Advanced Materials, 2008, 20, 1555-1559.	21.0	111
115	Chirality of Amyloid Suprastructures. Journal of the American Chemical Society, 2008, 130, 4602-4603.	13.7	130
116	Forming nacreous layer of the shells of the bivalves <i>Atrina rigida</i> and <i>Pinctada margaritifera</i> : An environmental- and cryo-scanning electron microscopy study. Journal of Structural Biology, 2008, 162, 290-300.	2.8	115
117	Transformation mechanism of amorphous calcium carbonate into calcite in the sea urchin larval spicule. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17362-17366.	7.1	380
118	Amorphous calcium phosphate is a major component of the forming fin bones of zebrafish: Indications for an amorphous precursor phase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12748-12753.	7.1	490
119	Biogenic Guanine Crystals from the Skin of Fish May Be Designed to Enhance Light Reflectance. Crystal Growth and Design, 2008, 8, 507-511.	3.0	118
120	Two and Three-Dimensional Pattern Recognition of Organized Surfaces by Specific Antibodies. Accounts of Chemical Research, 2008, 41, 254-264.	15.6	21
121	Asprich mollusk shell protein: in vitro experiments aimed at elucidating function in CaCO <sub>3</sub> crystallization. CrystEngComm, 2007, 9, 1171.	2.6	105
122	Hyaluronan in the pericellular coat: an additional layer of complexity in early cell adhesion events. Soft Matter, 2007, 3, 327.	2.7	21
123	Spiers Memorial Lecture : Lessons from biomineralization: comparing the growth strategies of mollusc shell prismatic and nacreous layers in <i>Atrina rigida</i> . Faraday Discussions, 2007, 136, 9.	3.2	217
124	Antibody Labeling of Cholesterol/Ceramide Ordered Domains in Cell Membranes. ChemBioChem, 2007, 8, 2286-2294.	2.6	15
125	Mineral Deposition and Crystal Growth in the Continuously Forming Teeth of Sea Urchins. Advanced Functional Materials, 2007, 17, 2693-2700.	14.9	67
126	The Architecture of the Adhesive Apparatus of Cultured Osteoclasts: From Podosome Formation to Sealing Zone Assembly. PLoS ONE, 2007, 2, e179.	2.5	263



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127	Mineralized biological materials: A perspective on interfaces and interphases designed over millions of years. <i>Biointerphases</i> , 2006, 1, P12-P14.	1.6	28
128	Temperature-Sensitive Micrometer-Thick Layers of Hyaluronan Grafted on Microspheres. <i>Journal of the American Chemical Society</i> , 2006, 128, 1119-1124.	13.7	29
129	Dynamic study of the transition from hyaluronan- to integrin-mediated adhesion in chondrocytes. <i>EMBO Journal</i> , 2006, 25, 302-311.	7.8	68
130	The molecular dynamics of osteoclast adhesions. <i>European Journal of Cell Biology</i> , 2006, 85, 203-211.	3.6	60
131	Mollusk Shell Formation: A Source of New Concepts for Understanding Biomineralization Processes. <i>Chemistry - A European Journal</i> , 2006, 12, 980-987.	3.3	919
132	Structural Recognition of Cholesterol-Ceramide Monolayers by a Specific Monoclonal Antibody. <i>ChemBioChem</i> , 2006, 7, 1680-1682.	2.6	9
133	Structural Characterization of the Transient Amorphous Calcium Carbonate Precursor Phase in Sea Urchin Embryos. <i>Advanced Functional Materials</i> , 2006, 16, 1289-1298.	14.9	219
134	Involvement of the Src-cortactin pathway in podosome formation and turnover during polarization of cultured osteoclasts. <i>Journal of Cell Science</i> , 2006, 119, 4878-4888.	2.0	99
135	Asprich: A Novel Aspartic Acid-Rich Protein Family from the Prismatic Shell Matrix of the Bivalve <i>Atrina rigida</i> . <i>ChemBioChem</i> , 2005, 6, 304-314.	2.6	220
136	Morphology of Goethite Crystals in Developing Limpet Teeth: Assessing Biological Control over Mineral Formation. <i>Crystal Growth and Design</i> , 2005, 5, 2131-2138.	3.0	35
137	Structure of Cholesterol/Ceramide Monolayer Mixtures: Implications to the Molecular Organization of Lipid Rafts. <i>Biophysical Journal</i> , 2005, 88, 3381-3391.	0.5	67
138	Antibody recognition of chiral surfaces. Structural models of antibody complexes with leucine-leucine-tyrosine crystal surfaces. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 55, 862-873.	2.6	7
139	Spatial and Temporal Sequence of Events in Cell Adhesion: From Molecular Recognition to Focal Adhesion Assembly. <i>ChemBioChem</i> , 2004, 5, 1393-1399.	2.6	127
140	Sea Urchin Spine Calcite Forms via a Transient Amorphous Calcium Carbonate Phase. <i>Science</i> , 2004, 306, 1161-1164.	12.6	881
141	An organic hydrogel as a matrix for the growth of calcite crystals Electronic supplementary information (ESI) available: Scanning electron micrographs of calcite etched with EDTA. See <a href="http://www.rsc.org/suppdata/ob/b3/b309731e/">http://www.rsc.org/suppdata/ob/b3/b309731e/</a> . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 137.	2.8	113
142	Aragonite Formation in the Chiton (Mollusca) Girdle. <i>Helvetica Chimica Acta</i> , 2003, 86, 1101-1112.	1.6	32
143	Achiral Calcium-Oxalate Crystals with Chiral Morphology from the Leaves of Some Solanacea Plants. <i>Helvetica Chimica Acta</i> , 2003, 86, 4007-4017.	1.6	21
144	The Transient Phase of Amorphous Calcium Carbonate in Sea Urchin Larval Spicules: The Involvement of Proteins and Magnesium Ions in Its Formation and Stabilization. <i>Advanced Functional Materials</i> , 2003, 13, 480-486.	14.9	322

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145	Taking Advantage of Disorder: Amorphous Calcium Carbonate and Its Roles in Biomineralization. <i>Advanced Materials</i> , 2003, 15, 959-970.	21.0	1,344
146	Mollusk Shell Acidic Proteins: In Search of Individual Functions. <i>ChemBioChem</i> , 2003, 4, 522-529.	2.6	220
147	Biologically Formed Amorphous Calcium Carbonate. <i>Connective Tissue Research</i> , 2003, 44, 214-218.	2.3	187
148	Stereospecific and Structure Specific Recognition of Two- and Three- Dimensionally Organized Surfaces by Biological Macromolecules. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 390, 57-66.	0.9	4
149	Structural information about organized cholesterol domains from specific antibody recognition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1610, 208-216.	2.6	22
150	Organization and Adhesive Properties of the Hyaluronan Pericellular Coat of Chondrocytes and Epithelial Cells. <i>Biophysical Journal</i> , 2003, 85, 1996-2005.	0.5	103
151	Antibody Recognition of Chiral Surfaces. Enantiomorphous Crystals of Leucine-Leucine-Tyrosine. <i>Journal of the American Chemical Society</i> , 2003, 125, 696-704.	13.7	48
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