

# Yuya Oaki

## List of Publications by Year in descending order

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182  
papers

4,219  
citations

126907

33  
h-index

161849

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192  
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192  
docs citations

192  
times ranked

4034  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hierarchical Architecture of Nacre and Its Mimetic Material. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6571-6575.	13.8	223
2	Experimental Demonstration for the Morphological Evolution of Crystals Grown in Gel Media. <i>Crystal Growth and Design</i> , 2003, 3, 711-716.	3.0	202
3	Nanoengineering in Echinoderms: The Emergence of Morphology from Nanobricks. <i>Small</i> , 2006, 2, 66-70.	10.0	151
4	A Biomimetic Approach for Hierarchically Structured Inorganic Crystals through Self-Organization. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1834-1851.	3.2	129
5	Nanosegregated Amorphous Composites of Calcium Carbonate and an Organic Polymer. <i>Advanced Materials</i> , 2008, 20, 3633-3637.	21.0	119
6	One-Pot Synthesis of Manganese Oxide Nanosheets in Aqueous Solution: Chelation-Mediated Parallel Control of Reaction and Morphology. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4951-4955.	13.8	115
7	Amplification of Chirality from Molecules into Morphology of Crystals through Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2004, 126, 9271-9275.	13.7	109
8	Band-gap expansion of tungsten oxide quantum dots synthesized in sub-nano porous silica. <i>Chemical Communications</i> , 2013, 49, 8477.	4.1	78
9	Direction Control of Oriented Self-Assembly for 1D, 2D, and 3D Microarrays of Anisotropic Rectangular Nanoblocks. <i>Journal of the American Chemical Society</i> , 2014, 136, 3716-3719.	13.7	77
10	Visualization and Quantitative Detection of Friction Force by Self-Organized Organic Layered Composites. <i>Advanced Materials</i> , 2018, 30, e1801121.	21.0	74
11	A hierarchical self-similar structure of oriented calcite with association of an agar gel matrix: inheritance of crystal habit from nanoscale. <i>Chemical Communications</i> , 2007, , 2841.	4.1	64
12	Biomimetic Solid-Solution Precursors of Metal Carbonate for Nanostructured Metal Oxides: MnO/Co and MnO-CoO Nanostructures and Their Electrochemical Properties. <i>Advanced Functional Materials</i> , 2011, 21, 3673-3680.	14.9	64
13	Preparation of hierarchically organized calcium phosphate-organic polymer composites by calcification of hydrogel. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 219-225.	6.1	63
14	Bioinspired Hierarchical Crystals. <i>MRS Bulletin</i> , 2010, 35, 138-144.	3.5	63
15	Morphological Evolution of Inorganic Crystal into Zigzag and Helical Architectures with an Exquisite Association of Polymer: A Novel Approach for Morphological Complexity. <i>Langmuir</i> , 2005, 21, 863-869.	3.5	58
16	Mesocrystal nanosheet of rutile TiO <sub>2</sub> and its reaction selectivity as a photocatalyst. <i>CrystEngComm</i> , 2012, 14, 1405-1411.	2.6	53
17	Hydrophobic Inorganic-Organic Composite Nanosheets Based on Monolayers of Transition Metal Oxides. <i>Chemistry of Materials</i> , 2014, 26, 3579-3585.	6.7	52
18	Synthesis and Morphogenesis of Organic Polymer Materials with Hierarchical Structures in Biominerals. <i>Journal of the American Chemical Society</i> , 2011, 133, 8594-8599.	13.7	49

#	ARTICLE	IF	CITATIONS
19	Tunable Stimuli-Responsive Color-Change Properties of Layered Organic Composites. <i>Advanced Functional Materials</i> , 2018, 28, 1804906.	14.9	48
20	Hierarchically organized architecture of potassium hydrogen phthalate and poly(acrylic acid): toward a general strategy for biomimetic crystal design. <i>Chemical Communications</i> , 2005, , 6011.	4.1	47
21	Ultrahigh-Sensitive Compression-Stress Sensor Using Integrated Stimuli-Responsive Materials. <i>Advanced Materials</i> , 2021, 33, e2008755.	21.0	47
22	Oriented Nanocrystal Mosaic in Monodispersed CaCO <sub>3</sub> Microspheres with Functional Organic Molecules. <i>Crystal Growth and Design</i> , 2012, 12, 876-882.	3.0	46
23	Monolayered Nanodots of Transition Metal Oxides. <i>Journal of the American Chemical Society</i> , 2013, 135, 4501-4508.	13.7	46
24	Morphological variation of hydroxyapatite grown in aqueous solution based on simulated body fluid. <i>CrystEngComm</i> , 2012, 14, 1143-1149.	2.6	43
25	Tunable Mechano-responsive Color-Change Properties of Organic Layered Material by Intercalation. <i>CheM</i> , 2017, 3, 509-521.	11.7	42
26	Emergence of helical morphologies with crystals: twisted growth under diffusion-limited conditions and chirality control with molecular recognition. <i>CrystEngComm</i> , 2010, 12, 1679.	2.6	39
27	Real-Time Imaging of 2D and 3D Temperature Distribution: Coating of Metal-Ion-Intercalated Organic Layered Composites with Tunable Stimuli-Responsive Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16546-16552.	8.0	39
28	Two exfoliation approaches for organic layered compounds: hydrophilic and hydrophobic polydiacetylene nanosheets. <i>Chemical Science</i> , 2017, 8, 647-653.	7.4	39
29	Biomimetic morphological design for manganese oxide and cobalt hydroxide nanoflakes with a mosaic interior. <i>Journal of Materials Chemistry</i> , 2007, 17, 316-321.	6.7	38
30	Enhanced electrochemical properties of MgCo <sub>2</sub> O <sub>4</sub> mesocrystals as a positive electrode active material for Mg batteries. <i>Journal of Alloys and Compounds</i> , 2018, 739, 793-798.	5.5	38
31	Multistage redox reactions of conductive-polymer nanostructures with lithium ions: potential for high-performance organic anodes. <i>NPG Asia Materials</i> , 2018, 10, 397-405.	7.9	37
32	Intercalation-Induced Tunable Stimuli-Responsive Color-Change Properties of Crystalline Organic Layered Compound. <i>Advanced Functional Materials</i> , 2016, 26, 3463-3471.	14.9	35
33	Crystal-controlled polymerization: recent advances in morphology design and control of organic polymer materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23197-23219.	10.3	35
34	Materials Informatics for 2D Materials Combined with Sparse Modeling and Chemical Perspective: Toward Small-Data-Driven Chemistry and Materials Science. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2410-2422.	3.2	35
35	Effects of the intercalation rate on the layered crystal structures and stimuli-responsive color-change properties of polydiacetylene. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8250-8255.	5.5	33
36	Amorphous 2D materials containing a conjugated-polymer network. <i>Communications Chemistry</i> , 2019, 2, .	4.5	31

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37	Morphology and orientation control of guanine crystals: a biogenic architecture and its structure mimetics. <i>Journal of Materials Chemistry</i> , 2012, 22, 22686.	6.7	30
38	Morphology Design of Crystalline and Polymer Materials from Nanoscopic to Macroscopic Scales. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 776-788.	3.2	30
39	Quantitative detection of near-infrared (NIR) light using organic layered composites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4089-4095.	5.5	30
40	Advanced Biomimetic Approach for Crystal Growth in Nonaqueous Media: Morphology and Orientation Control of Pentacosadiynoic Acid and Applications. <i>Chemistry of Materials</i> , 2015, 27, 2627-2632.	6.7	29
41	A Microbialâ€Mineralizationâ€Inspired Approach for Synthesis of Manganese Oxide Nanostructures with Controlled Oxidation States and Morphologies. <i>Advanced Functional Materials</i> , 2010, 20, 4279-4286.	14.9	28
42	Self-organization of hollow-cone carbonate crystals through molecular control with an acid organic polymer. <i>Polymer Journal</i> , 2012, 44, 612-619.	2.7	28
43	Visualization and Quantification of Microwaves Using Thermoresponsive Color-Change Hydrogel. <i>ACS Sensors</i> , 2020, 5, 133-139.	7.8	28
44	Materialsâ€Informaticsâ€Assisted Highâ€Yield Synthesis of 2D Nanomaterials through Exfoliation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800180.	2.8	26
45	Structured spinel oxide positive electrodes of magnesium rechargeable batteries: High rate performance and high cyclability by interconnected bimodal pores and vanadium oxide coating. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152556.	5.5	26
46	Chelationâ€Mediated Aqueous Synthesis of Metal Oxyhydroxide and Oxide Nanostructures: Combination of Ligandâ€Controlled Oxidation and Ligandâ€Cooperative Morphogenesis. <i>Chemistry - A European Journal</i> , 2007, 13, 8564-8571.	3.3	25
47	Intercalation and flexibility chemistries of soft layered materials. <i>Chemical Communications</i> , 2020, 56, 13069-13081.	4.1	25
48	Significant Increase in Band Gap and Emission Efficiency of In<sub>2</sub>O<sub>3</sub> Quantum Dots by Size-Tuning around 1 nm in Supermicroporous Silicas. <i>Langmuir</i> , 2017, 33, 3014-3017.	3.5	24
49	A paper-based device of a specially designed soft layered polymer composite for measurement of weak friction force. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1265-1272.	5.5	24
50	Few-layered titanate nanosheets with large lateral size and surface functionalization: potential for the controlled exfoliation of inorganicâ€organic layered composites. <i>Chemical Communications</i> , 2018, 54, 244-247.	4.1	23
51	Stereospecific Morphogenesis of Aspartic Acid Helical Crystals through Molecular Recognition. <i>Langmuir</i> , 2007, 23, 5466-5470.	3.5	22
52	Crystal-Growth Process of Single-Crystal-like Mesoporous ZnO through a Competitive Reaction in Solution. <i>Crystal Growth and Design</i> , 2012, 12, 2923-2931.	3.0	22
53	A hydrophobic adsorbent based on hierarchical porous polymers derived from morphologies of a biomineral. <i>Chemical Communications</i> , 2015, 51, 7919-7922.	4.1	22
54	Spinel-Type MgMn<sub>2</sub>O<sub>4</sub> Nanoplates with Vanadate Coating for a Positive Electrode of Magnesium Rechargeable Batteries. <i>Langmuir</i> , 2020, 36, 8537-8542.	3.5	22

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55	Solvent-free synthesis, coating and morphogenesis of conductive polymer materials through spontaneous generation of activated monomers. <i>Chemical Communications</i> , 2014, 50, 11840-11843.	4.1	21
56	Mesoscopic crystallographic textures on shells of a hyaline radial foraminifer <i>Ammonia beccarii</i> . <i>CrystEngComm</i> , 2016, 18, 7135-7139.	2.6	21
57	Multistep crystal growth of oriented fluorapatite nanorod arrays for fabrication of enamel-like architectures on a polymer sheet. <i>CrystEngComm</i> , 2017, 19, 669-674.	2.6	21
58	Emergence of temperature-dependent and reversible color-changing properties by the stabilization of layered polydiacetylene through intercalation. <i>Polymer Journal</i> , 2018, 50, 319-326.	2.7	21
59	Redox-Mediated High-Yield Exfoliation of Layered Composites into Nanosheets. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 779-784.	3.2	21
60	Synthesis and Morphogenesis of Organic and Inorganic Polymers by Means of Biominerals and Biomimetic Materials. <i>Chemistry - A European Journal</i> , 2013, 19, 2284-2293.	3.3	20
61	Hydrophobic monolayered nanoflakes of tungsten oxide: coupled exfoliation and fracture in a nonpolar organic medium. <i>Chemical Communications</i> , 2015, 51, 10046-10049.	4.1	20
62	Formation of Monocrystalline 1D and 2D Architectures via Epitaxial Attachment: Bottom-Up Routes through Surfactant-Mediated Arrays of Oriented Nanocrystals. <i>Langmuir</i> , 2015, 31, 6197-6201.	3.5	20
63	Effects of nanostructured biosilica on rice plant mechanics. <i>RSC Advances</i> , 2017, 7, 13065-13071.	3.6	20
64	Ultrasensitive Detection of Methylmercaptan Gas Using Layered Manganese Oxide Nanosheets with a Quartz Crystal Microbalance Sensor. <i>Analytical Chemistry</i> , 2017, 89, 12123-12130.	6.5	20
65	Effective 3D open-channel nanostructures of a $\text{MgMn}_2\text{O}_4$ positive electrode for rechargeable Mg batteries operated at room temperature. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6851-6860.	10.3	19
66	Lateral-size control of exfoliated transition-metal oxide 2D materials by machine learning on small data. <i>Nanoscale</i> , 2021, 13, 3853-3859.	5.6	19
67	Exfoliation Chemistry of Soft Layered Materials toward Tailored 2D Materials. <i>Chemistry Letters</i> , 2021, 50, 305-315.	1.3	19
68	Enhanced photoconductive properties of a simple composite coaxial nanostructure of zinc oxide and polypyrrole. <i>Journal of Materials Chemistry</i> , 2012, 22, 21195.	6.7	18
69	Twisted growth of organic crystal in a polymer matrix: sigmoidal and helical morphologies of pyrene. <i>CrystEngComm</i> , 2012, 14, 7444.	2.6	18
70	Size-Dependent Thermochromism through Enhanced Electron-Phonon Coupling in 1-...nm Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10706-10709.	13.8	18
71	Dynamic adsorption of toluene on pore-size tuned supermicroporous silicas. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 41-44.	4.4	18
72	Fabrication of self-standing films consisting of enamel-like oriented nanorods using artificial peptide. <i>CrystEngComm</i> , 2015, 17, 5551-5555.	2.6	18

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73	Surface-functionalized hydrophilic monolayer of titanate and its application for dopamine detection. <i>Chemical Communications</i> , 2016, 52, 9466-9469.	4.1	18
74	Experimentâ€œOriented Materials Informatics for Efficient Exploration of Design Strategy and New Compounds for Highâ€œPerformance Organic Anode. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900130.	2.8	18
75	Oneâ€œPot Aqueous Solution Syntheses of Iron Oxide Nanostructures with Controlled Crystal Phases through a Microbialâ€œMineralizationâ€œInspired Approach. <i>Chemistry - A European Journal</i> , 2012, 18, 110-116.	3.3	17
76	Homogeneous and Disordered Assembly of Densely Packed Titanium Oxide Nanocrystals: An Approach to Coupled Synthesis and Assembly in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2012, 18, 2825-2831.	3.3	17
77	Crystal-surface-induced simultaneous synthesis and hierarchical morphogenesis of conductive polymers. <i>Chemical Communications</i> , 2015, 51, 9698-9701.	4.1	17
78	In Vitro Repair of a Biomineral with a Mesocrystal Structure. <i>Chemistry - A European Journal</i> , 2011, 17, 2828-2832.	3.3	16
79	Tuning of photocatalytic reduction by conduction band engineering of semiconductor quantum dots with experimental evaluation of the band edge potential. <i>Chemical Communications</i> , 2016, 52, 6185-6188.	4.1	16
80	Guanine crystals regulated by chitin-based honeycomb frameworks for tunable structural colors of saphirinid copepod, <i>Sapphirina nigromaculata</i> . <i>Scientific Reports</i> , 2020, 10, 2266.	3.3	16
81	Formation of <i>c</i> / <i>d</i> -axis-oriented columnar structures through controlled epitaxial growth of hydroxyapatite. <i>Journal of Asian Ceramic Societies</i> , 2013, 1, 143-148.	2.3	15
82	Syntheses of LiCoO <sub>2</sub> Mesocrystals by Topotactic Transformation and Their Electrochemical Properties. <i>ChemPlusChem</i> , 2013, 78, 1379-1383.	2.8	15
83	Efficient Syntheses of 2D Materials from Soft Layered Composites Guided by Yield Prediction Model: Potential of Experimentâ€œOriented Materials Informatics. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000084.	2.8	15
84	Homogeneous and Disordered Assembly of Densely Packed Nanocrystals. <i>Advanced Functional Materials</i> , 2010, 20, 4127-4132.	14.9	14
85	1D oriented attachment of calcite nanocrystals: formation of single-crystalline rods through collision. <i>RSC Advances</i> , 2016, 6, 61346-61350.	3.6	14
86	Tunable photochemical properties of a covalently anchored and spatially confined organic polymer in a layered compound. <i>Nanoscale</i> , 2016, 8, 11076-11083.	5.6	14
87	Evaporation-driven regularization of crystallographically ordered arrangements of truncated nanoblocks: from 1D chains to 2D rhombic superlattices. <i>CrystEngComm</i> , 2016, 18, 6138-6142.	2.6	14
88	Layer-by-Layer Manipulation of Heterogeneous Rectangular Nanoblocks: Brick Work for Multilayered Structures with Specific Heterojunction. <i>Inorganic Chemistry</i> , 2018, 57, 11655-11661.	4.0	14
89	Amorphous flexible covalent organic networks containing redox-active moieties: a noncrystalline approach to the assembly of functional molecules. <i>Chemical Science</i> , 2020, 11, 7003-7008.	7.4	14
90	UV-induced epitaxial attachment of TiO <sub>2</sub> nanocrystals in molecularly mediated 1D and 2D alignments. <i>Chemical Communications</i> , 2016, 52, 7545-7548.	4.1	13

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91	Surface-functionalized monolayered nanodots of a transition metal oxide and their properties. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32498-32504.	2.8	12
92	Polymer-mediated dendritic growth of a transition metal salt crystal as a template for morphogenesis. <i>Polymer Journal</i> , 2015, 47, 183-189.	2.7	12
93	Fabrication of Transparent ZnO Thick Film with Unusual Orientation by the Chemical Bath Deposition. <i>Crystal Growth and Design</i> , 2015, 15, 3150-3156.	3.0	12
94	Formation of uniformly sized metal oxide nanocuboids in the presence of precursor grains in an apolar medium. <i>CrystEngComm</i> , 2015, 17, 7477-7481.	2.6	12
95	Phase separation of composite materials through simultaneous polymerization and crystallization. <i>NPG Asia Materials</i> , 2017, 9, e377-e377.	7.9	12
96	Evolution of Calcite Nanocrystals through Oriented Attachment and Fragmentation: Multistep Pathway Involving Bottom-Up and Break-Down Stages. <i>ACS Omega</i> , 2017, 2, 8997-9001.	3.5	12
97	Evolution analysis of $V_2O_5$ - $nH_2O$ gels for preparation of xerogels having a high specific surface area and their replicas. <i>RSC Advances</i> , 2017, 7, 35711-35716.	3.6	12
98	Enhanced Quantum Yield of Fluorophores in Confined Spaces of Supermicroporous Silicas. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 87-91.	3.2	12
99	Evolution of $Co_3O_4$ Nanocubes through Stepwise Oriented Attachment. <i>Langmuir</i> , 2019, 35, 8025-8030.	3.5	12
100	Solid-State Low-Temperature Thermoresponsive and Reversible Color Changes of Conjugated Polymer in Layered Structure: Beyond Infrared Thermography. <i>Small</i> , 2020, 16, e2004586.	10.0	12
101	Yield-prediction models for efficient exfoliation of soft layered materials into nanosheets. <i>Chemical Communications</i> , 2021, 57, 5921-5924.	4.1	12
102	Nanoarchitectonics for conductive polymers using solid and vapor phases. <i>Nanoscale Advances</i> , 2022, 4, 2773-2781.	4.6	12
103	A Microbial Mineralization Approach for Syntheses of Iron Oxides with a High Specific Surface Area. <i>Chemistry - A European Journal</i> , 2013, 19, 4419-4422.	3.3	11
104	An Experimental Study on the Processes of Hierarchical Morphology Replication by Means of a Mesocrystal: A Case Study of Poly(3,4-ethylenedioxythiophene). <i>Langmuir</i> , 2014, 30, 3236-3242.	3.5	11
105	VOC decomposition over a wide range of temperatures using thermally stable $Cr^{6+}$ sites in a porous silica matrix. <i>Catalysis Communications</i> , 2015, 72, 161-164.	3.3	11
106	Aragonite Nanorod Arrays through Molecular Controlled Growth on Single-Crystalline Substrate and Polysaccharide Surface. <i>Crystal Growth and Design</i> , 2016, 16, 3741-3747.	3.0	11
107	Coupled Exfoliation and Surface Functionalization of Titanate Monolayer for Bandgap Engineering. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601014.	3.7	11
108	Substrate coating by conductive polymers through spontaneous oxidation and polymerization. <i>Nanoscale</i> , 2017, 9, 7895-7900.	5.6	11

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109	Highly porous polymer dendrites of pyrrole derivatives synthesized through rapid oxidative polymerization. <i>Polymer Journal</i> , 2019, 51, 11-18.	2.7	11
110	Formation processes, size changes, and properties of nanosheets derived from exfoliation of soft layered inorganic-organic composites. <i>Nanoscale Advances</i> , 2020, 2, 1168-1176.	4.6	11
111	Sparse modeling for small data: case studies in controlled synthesis of 2D materials. , 2022, 1, 26-34.		11
112	Thin Films that Consist of CuO Mesocrystal Nanosheets: An Application of Microbial-Mineralization-Inspired Approaches to Thin-Film Formation. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2064-2069.	3.3	10
113	Hierarchical CaCO <sub>3</sub> Chromatography: A Stationary Phase Based on Biominerals. <i>Chemistry - A European Journal</i> , 2015, 21, 5034-5040.	3.3	10
114	Incorporation of organic crystals into the interspace of oriented nanocrystals: morphologies and properties. <i>Nanoscale</i> , 2015, 7, 3466-3473.	5.6	10
115	Conductive Polymer Nanosheets Generated from the Crystal Surface of an Organic Oxidant. <i>ChemPlusChem</i> , 2017, 82, 177-180.	2.8	10
116	Incorporation of Redox-active Guest in Conductive and Redox-active Host: Hierarchically Structured Composite of a Conductive Polymer and Quinone Derivative. <i>Chemistry Letters</i> , 2016, 45, 324-326.	1.3	9
117	Artificial mineral films similar to biogenic calcareous shells: oriented calcite nanorods on a self-standing polymer sheet. <i>CrystEngComm</i> , 2018, 20, 1656-1661.	2.6	9
118	Nanoscale Mosaic Works: Tetragonal Lattices of Iso-Oriented Heterogeneous Nanocubes. <i>Langmuir</i> , 2018, 34, 4031-4035.	3.5	9
119	Two-Dimensional Conductive and Redox-Active Nanostructures Synthesized by Crystal-Controlled Polymerization for Electrochemical Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 4218-4226.	5.0	9
120	Enhancement of coercivity of self-assembled stacking of ferrimagnetic and antiferromagnetic nanocubes. <i>Nanoscale</i> , 2020, 12, 7792-7796.	5.6	9
121	Biomimetic Morphology-Controlled Anhydrous Guanine via an Amorphous Intermediate. <i>Crystal Growth and Design</i> , 2020, 20, 3341-3346.	3.0	9
122	Basicity-controlled synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanocrystals by a solvothermal method. <i>RSC Advances</i> , 2014, 4, 44124-44129.	3.6	8
123	Microwave-assisted rapid synthesis of anatase TiO <sub>2</sub> nanosized particles in an ionic liquid-water system. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 79-82.	1.1	8
124	Six-armed twin crystals composed of lithium iron silicate nanoplates and their electrochemical properties. <i>CrystEngComm</i> , 2015, 17, 8486-8491.	2.6	8
125	Switchable oriented attachment and detachment of calcite nanocrystals. <i>CrystEngComm</i> , 2016, 18, 8999-9002.	2.6	8
126	Hierarchical bicontinuous structure of redox-active organic composites and their enhanced electrochemical properties. <i>Chemical Communications</i> , 2017, 53, 7329-7332.	4.1	8



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127	Spatial Control of Crystallographic Direction in 2D Microarrays of Anisotropic Nanoblocks on Trenched Substrates. <i>Langmuir</i> , 2017, 33, 13805-13810.	3.5	8
128	Performance Predictors for Organic Cathodes of Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2022, 5, 2074-2082.	5.1	8
129	Variation in Mesoscopic Textures of Biogenic and Biomimetic Calcite Crystals. <i>Crystal Growth and Design</i> , 2015, 15, 3755-3761.	3.0	7
130	Orientation-Selective Alignments of Hydroxyapatite Nanoblocks through Epitaxial Attachment in <i>a</i> and <i>c</i> Directions. <i>Langmuir</i> , 2016, 32, 4066-4070.	3.5	7
131	Enhanced oxide-ion conductivity of solid-state electrolyte mesocrystals. <i>Nanoscale</i> , 2019, 11, 4523-4530.	5.6	7
132	Morphological study of fibrous aragonite in the skeletal framework of a stony coral. <i>CrystEngComm</i> , 2021, 23, 3693-3700.	2.6	7
133	Size-Distribution Control of Exfoliated Nanosheets Assisted by Machine Learning: Small-Data-Driven Materials Science Using Sparse Modeling. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100158.	2.8	7
134	ZnO nano-rectangular framework-like structure from zinc hydroxide acetate plates. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 171-174.	1.1	6
135	Morphology and Orientation Control of Organic Crystals in Organic Media through Advanced Biomimetic Approach. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1459-1465.	3.2	6
136	Polymer-assisted shapeable synthesis of porous frameworks consisting of silica nanoparticles with mechanical property tuning. <i>Polymer Journal</i> , 2017, 49, 825-830.	2.7	6
137	Cellulose intrafibrillar mineralization of biological silica in a rice plant. <i>Scientific Reports</i> , 2021, 11, 7886.	3.3	6
138	Efficient photocatalytic conversion of benzene to phenol on stabilized subnanometer WO <sub>3</sub> quantum dots. <i>Catalysis Science and Technology</i> , 2021, 11, 6537-6542.	4.1	6
139	Oriented Attachment of Calcite Nanocrystals: Formation of Single-Crystalline Configurations as 3D Bundles via Lateral Stacking of 1D Chains. <i>Langmuir</i> , 2017, 33, 1516-1520.	3.5	6
140	Electroless nickel plating on a biomineral-based sponge structure. <i>Materials Advances</i> , 2022, 3, 931-936.	5.4	6
141	Versatile Modification for Highly Dispersive and Functionalized Mesoporous Silica Nanoparticles. <i>Chemistry Letters</i> , 2012, 41, 507-509.	1.3	5
142	Orientation-selective alignments of nanoblocks in <i>a</i> and <i>c</i> directions of a tetragonal system through molecularly mediated manipulation. <i>Chemical Communications</i> , 2016, 52, 5597-5600.	4.1	5
143	Hierarchical textures on aragonitic shells of the hyaline radial foraminifer <i>Hoeglundina elegans</i> . <i>CrystEngComm</i> , 2017, 19, 7191-7196.	2.6	5
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