

# Yuya Oaki

## List of Publications by Year in descending order

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182  
papers

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192  
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192  
docs citations

192  
times ranked

4034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse modeling for small data: case studies in controlled synthesis of 2D materials. , 2022, 1, 26-34.		11
2	Electroless nickel plating on a biomineral-based sponge structure. Materials Advances, 2022, 3, 931-936.	5.4	6
3	Performance Predictors for Organic Cathodes of Lithium-Ion Battery. ACS Applied Energy Materials, 2022, 5, 2074-2082.	5.1	8
4	Designed nanostructures created <i>via</i> physicochemical switching of the growth mode between single crystals and mesocrystals. Nanoscale Advances, 2022, 4, 1538-1544.	4.6	1
5	Characterization of calcite spines of planktonic foraminifers (Globigerinidae). CrystEngComm, 2022, 24, 2446-2450.	2.6	1
6	Micro- and nanometric characterization of the celestite skeleton of acantharian species (Radiolaria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	2
7	A nonclassical pathway to biomimetic strained SrSO <sub>4</sub> crystals. CrystEngComm, 2022, 24, 4356-4360.	2.6	3
8	Nanoarchitectonics for conductive polymers using solid and vapor phases. Nanoscale Advances, 2022, 4, 2773-2781.	4.6	12
9	Ultrastructure of setae of a planktonic diatom, Chaetoceros coarctatus. Scientific Reports, 2022, 12, 7568.	3.3	0
10	A Capacity-Prediction Model for Exploration of Organic Anodes: Discovery of 5-Formylsalicylic Acid as a High-Performance Anode Active Material. ACS Applied Energy Materials, 2022, 5, 8990-8998.	5.1	5
11	Diatom-mimetic channeled mesoporous silica membranes: self-organized formation of a hierarchical porous framework. Materials Chemistry Frontiers, 2021, 5, 862-868.	5.9	1
12	Morphological study of fibrous aragonite in the skeletal framework of a stony coral. CrystEngComm, 2021, 23, 3693-3700.	2.6	7
13	Yield-prediction models for efficient exfoliation of soft layered materials into nanosheets. Chemical Communications, 2021, 57, 5921-5924.	4.1	12
14	Wide-area multilayered self-assembly of fluorapatite nanorods vertically oriented on a substrate as a non-classical crystal growth. Nanoscale, 2021, 13, 9698-9705.	5.6	5
15	Effective 3D open-channel nanostructures of a MgMn <sub>2</sub> O <sub>4</sub> positive electrode for rechargeable Mg batteries operated at room temperature. Journal of Materials Chemistry A, 2021, 9, 6851-6860.	10.3	19
16	Morphological evolution of carbonated hydroxyapatite to faceted nanorods through intermediate states. CrystEngComm, 2021, 23, 2968-2972.	2.6	2
17	Lateral-size control of exfoliated transition-metal oxide 2D materials by machine learning on small data. Nanoscale, 2021, 13, 3853-3859.	5.6	19
18	Ultrahigh-Sensitive Compression-Stress Sensor Using Integrated Stimuli-Responsive Materials. Advanced Materials, 2021, 33, e2008755.	21.0	47

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19	Exfoliation Chemistry of Soft Layered Materials toward Tailored 2D Materials. <i>Chemistry Letters</i> , 2021, 50, 305-315.	1.3	19
20	Cellulose intrafibrillar mineralization of biological silica in a rice plant. <i>Scientific Reports</i> , 2021, 11, 7886.	3.3	6
21	Self-Assembly of 2D Nematic and Random Arrays of Sterically Stabilized Nanoscale Rods with and without Evaporation. <i>Langmuir</i> , 2021, 37, 6533-6539.	3.5	2
22	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
23	A Layered Polydiacetylene Containing Hydrogen-Bonding 4,4'-Bipyridyl Guests: Reversible Color Changes with a Wide-Range Temperature Response. <i>ChemPlusChem</i> , 2021, 86, 1563-1568.	2.8	2
24	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
25	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
26	A Layered Polydiacetylene Containing Hydrogen-Bonding 4,4'-Bipyridyl Guests: Reversible Color Changes with a Wide-Range Temperature Response. <i>ChemPlusChem</i> , 2021, 86, 1546.	2.8	1
27	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
28	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
29	Visualization and Quantification of Microwaves Using Thermoresponsive Color-Change Hydrogel. <i>ACS Sensors</i> , 2020, 5, 133-139.	7.8	28
30	Conjugated Polymers: Solid-State Low-Temperature Thermoresponsive and Reversible Color Changes of Conjugated Polymer in Layered Structure: Beyond Infrared Thermography (Small 41/2020). <i>Small</i> , 2020, 16, 2070227.	10.0	3
31	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
32	Strained calcite crystals from amorphous calcium carbonate containing an organic molecule. <i>CrystEngComm</i> , 2020, 22, 7054-7058.	2.6	5
33	Intercalation and flexibility chemistries of soft layered materials. <i>Chemical Communications</i> , 2020, 56, 13069-13081.	4.1	25
34	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
35	Efficient Syntheses of 2D Materials from Soft Layered Composites Guided by Yield Prediction Model: Potential of Experiment-Oriented Materials Informatics. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000084.	2.8	15
36	Enhancement of coercivity of self-assembled stacking of ferrimagnetic and antiferromagnetic nanocubes. <i>Nanoscale</i> , 2020, 12, 7792-7796.	5.6	9

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37	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
38	Biomimetic Morphology-Controlled Anhydrous Guanine via an Amorphous Intermediate. <i>Crystal Growth and Design</i> , 2020, 20, 3341-3346.	3.0	9
39	Spinel-Type $MgMn_2O_4$ Nanoplates with Vanadate Coating for a Positive Electrode of Magnesium Rechargeable Batteries. <i>Langmuir</i> , 2020, 36, 8537-8542.	3.5	22
40	Thermally induced fragmentation of nanoscale calcite. <i>RSC Advances</i> , 2020, 10, 6088-6091.	3.6	5
41	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
42	Highly porous polymer dendrites of pyrrole derivatives synthesized through rapid oxidative polymerization. <i>Polymer Journal</i> , 2019, 51, 11-18.	2.7	11
43	Amorphous 2D materials containing a conjugated-polymer network. <i>Communications Chemistry</i> , 2019, 2, .	4.5	31
44	Highly Dispersive Mono-sized Nanoparticles of $Y_2O_3$ -stabilized $ZrO_2$ . <i>Chemistry Letters</i> , 2019, 48, 390-393.	1.3	2
45	Experiment-Oriented Materials Informatics for Efficient Exploration of Design Strategy and New Compounds for High-Performance Organic Anode. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900130.	2.8	18
46	Glass-transition-induced color-changing resins containing layered polydiacetylene. <i>Chemical Communications</i> , 2019, 55, 11723-11726.	4.1	5
47	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
48	Evolution of $Co_3O_4$ Nanocubes through Stepwise Oriented Attachment. <i>Langmuir</i> , 2019, 35, 8025-8030.	3.5	12
49	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
50	Supermicroporous Silica Nanograins: Synthesis and Application. <i>Langmuir</i> , 2019, 35, 5594-5598.	3.5	4
51	Bending Fibers of Hydroxyapatite for Ordered Parallel Architecture in Bovine Tooth Enamel. <i>ACS Omega</i> , 2019, 4, 3739-3744.	3.5	3
52	Enhanced oxide-ion conductivity of solid-state electrolyte mesocrystals. <i>Nanoscale</i> , 2019, 11, 4523-4530.	5.6	7
53	Materials-Informatics-Assisted High-Yield Synthesis of 2D Nanomaterials through Exfoliation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800180.	2.8	26
54	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

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55	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
56	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
57	Layer-by-layer manipulation of anisotropic nanoblocks: orientation-switched superlattices through orthogonal stacking of <i>a</i> and <i>c</i> directions. <i>Nanoscale</i> , 2018, 10, 12957-12962.	5.6	5
58	Nanoscale Mosaic Works: Tetragonal Lattices of Iso-Oriented Heterogeneous Nanocubes. <i>Langmuir</i> , 2018, 34, 4031-4035.	3.5	9
59	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
60	Few-layered titanate nanosheets with large lateral size and surface functionalization: potential for the controlled exfoliation of inorganic-organic layered composites. <i>Chemical Communications</i> , 2018, 54, 244-247.	4.1	23
61	Biomimetic macroscopic mesocrystalline films produced by oriented assembly of nanorods under magnetic field. <i>Nanoscale</i> , 2018, 10, 22161-22165.	5.6	3
62	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
63	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
64	Tunable Stimuli-Responsive Color-Change Properties of Layered Organic Composites. <i>Advanced Functional Materials</i> , 2018, 28, 1804906.	14.9	48
65	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
66	Visualization and Quantitative Detection of Friction Force by Self-Organized Organic Layered Composites. <i>Advanced Materials</i> , 2018, 30, e1801121.	21.0	74
67	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
68	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
69	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
70	Coupled Exfoliation and Surface Functionalization of Titanate Monolayer for Bandgap Engineering. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601014.	3.7	11
71	Effects of nanostructured biosilica on rice plant mechanics. <i>RSC Advances</i> , 2017, 7, 13065-13071.	3.6	20
72	Bandgap Engineering: Coupled Exfoliation and Surface Functionalization of Titanate Monolayer for Bandgap Engineering ( <i>Adv. Mater. Interfaces</i> 7/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	3.7	0

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73	Phase separation of composite materials through simultaneous polymerization and crystallization. <i>NPG Asia Materials</i> , 2017, 9, e377-e377.	7.9	12
74	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
75	Hierarchical bicontinuous structure of redox-active organic composites and their enhanced electrochemical properties. <i>Chemical Communications</i> , 2017, 53, 7329-7332.	4.1	8
76	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
77	Substrate coating by conductive polymers through spontaneous oxidation and polymerization. <i>Nanoscale</i> , 2017, 9, 7895-7900.	5.6	11
78	Self-Organized Formation of Parallel-Banded Structures through Synchronization of Twisted Growth. <i>Crystal Growth and Design</i> , 2017, 17, 3694-3699.	3.0	3
79	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
80	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
81	Tunable Mechano-responsive Color-Change Properties of Organic Layered Material by Intercalation. <i>CheM</i> , 2017, 3, 509-521.	11.7	42
82	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
83	Spatial Control of Crystallographic Direction in 2D Microarrays of Anisotropic Nanoblocks on Trenched Substrates. <i>Langmuir</i> , 2017, 33, 13805-13810.	3.5	8
84	Hierarchical textures on aragonitic shells of the hyaline radial foraminifer <i>Hoeglundina elegans</i> . <i>CrystEngComm</i> , 2017, 19, 7191-7196.	2.6	5
85	Conductive Polymer Nanosheets Generated from the Crystal Surface of an Organic Oxidant. <i>ChemPlusChem</i> , 2017, 82, 177-180.	2.8	10
86	Two exfoliation approaches for organic layered compounds: hydrophilic and hydrophobic polydiacetylene nanosheets. <i>Chemical Science</i> , 2017, 8, 647-653.	7.4	39
87	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
88	Synthesis of dispersible nanosheets based on monolayer clays with imidazolium and ammonium cations having long-chain alkyl groups. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 353-356.	1.1	0
89	Evolution analysis of $V_2O_5 \cdot nH_2O$ 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
90	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

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91	1D oriented attachment of calcite nanocrystals: formation of single-crystalline rods through collision. RSC Advances, 2016, 6, 61346-61350.	3.6	14
92	Tuning of photocatalytic reduction by conduction band engineering of semiconductor quantum dots with experimental evaluation of the band edge potential. Chemical Communications, 2016, 52, 6185-6188.	4.1	16
93	UV-induced epitaxial attachment of TiO <sub>2</sub> nanocrystals in molecularly mediated 1D and 2D alignments. Chemical Communications, 2016, 52, 7545-7548.	4.1	13
94	Orientation-Selective Alignments of Hydroxyapatite Nanoblocks through Epitaxial Attachment in <i>a</i> and <i>c</i> Directions. Langmuir, 2016, 32, 4066-4070.	3.5	7
95	Tunable photochemical properties of a covalently anchored and spatially confined organic polymer in a layered compound. Nanoscale, 2016, 8, 11076-11083.	5.6	14
96	Incorporation of Redox-active Guest in Conductive and Redox-active Host: Hierarchically Structured Composite of a Conductive Polymer and Quinone Derivative. Chemistry Letters, 2016, 45, 324-326.	1.3	9
97	Mesoscopic crystallographic textures on shells of a hyaline radial foraminifer <i>Ammonia beccarii</i> . CrystEngComm, 2016, 18, 7135-7139.	2.6	21
98	Plant opal-mimetic bunching silica nanoparticles mediated by long-chain polyethyleneimine. RSC Advances, 2016, 6, 1301-1306.	3.6	4
99	Switchable oriented attachment and detachment of calcite nanocrystals. CrystEngComm, 2016, 18, 8999-9002.	2.6	8
100	Evaporation-driven regularization of crystallographically ordered arrangements of truncated nanoblocks: from 1D chains to 2D rhombic superlattices. CrystEngComm, 2016, 18, 6138-6142.	2.6	14
101	Aragonite Nanorod Arrays through Molecular Controlled Growth on Single-Crystalline Substrate and Polysaccharide Surface. Crystal Growth and Design, 2016, 16, 3741-3747.	3.0	11
102	Surface-functionalized hydrophilic monolayer of titanate and its application for dopamine detection. Chemical Communications, 2016, 52, 9466-9469.	4.1	18
103	Intercalation-Induced Tunable Stimuli-Responsive Color-Change Properties of Crystalline Organic Layered Compound. Advanced Functional Materials, 2016, 26, 3463-3471.	14.9	35
104	Stimuli-Responsive Materials: Intercalation-Induced Tunable Stimuli-Responsive Color-Change Properties of Crystalline Organic Layered Compound (Adv. Funct. Mater. 20/2016). Advanced Functional Materials, 2016, 26, 3462-3462.	14.9	4
105	Orientation-selective alignments of nanoblocks in <i>a</i> and <i>c</i> directions of a tetragonal system through molecularly mediated manipulation. Chemical Communications, 2016, 52, 5597-5600.	4.1	5
106	Morphology and Orientation Control of Organic Crystals in Organic Media through Advanced Biomimetic Approach. Bulletin of the Chemical Society of Japan, 2015, 88, 1459-1465.	3.2	6
107	Inverse pH-response of Temperature-sensitive Copolymers by Combination with Porous CaCO <sub>3</sub> Framework. Chemistry Letters, 2015, 44, 1425-1427.	1.3	1
108	Microwave-assisted rapid synthesis of anatase TiO <sub>2</sub> nanosized particles in an ionic liquid-water system. Journal of the Ceramic Society of Japan, 2015, 123, 79-82.	1.1	8

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109	Hierarchical CaCO <sub>3</sub> Chromatography: A Stationary Phase Based on Biominerals. Chemistry - A European Journal, 2015, 21, 5034-5040.	3.3	10
110	Hydrophobic monolayered nanoflakes of tungsten oxide: coupled exfoliation and fracture in a nonpolar organic medium. Chemical Communications, 2015, 51, 10046-10049.	4.1	20
111	Surface-functionalized monolayered nanodots of a transition metal oxide and their properties. Physical Chemistry Chemical Physics, 2015, 17, 32498-32504.	2.8	12
112	Polymer-mediated dendritic growth of a transition metal salt crystal as a template for morphogenesis. Polymer Journal, 2015, 47, 183-189.	2.7	12
113	Dynamic adsorption of toluene on pore-size tuned supermicroporous silicas. Microporous and Mesoporous Materials, 2015, 214, 41-44.	4.4	18
114	Fabrication of self-standing films consisting of enamel-like oriented nanorods using artificial peptide. CrystEngComm, 2015, 17, 5551-5555.	2.6	18
115	Controlled radical polymerization of styrene with magnetic iron oxides prepared through hydrothermal, bioinspired, and bacterial processes. RSC Advances, 2015, 5, 51122-51129.	3.6	2
116	Formation of Monocrystalline 1D and 2D Architectures via Epitaxial Attachment: Bottom-Up Routes through Surfactant-Mediated Arrays of Oriented Nanocrystals. Langmuir, 2015, 31, 6197-6201.	3.5	20
117	Fabrication of Transparent ZnO Thick Film with Unusual Orientation by the Chemical Bath Deposition. Crystal Growth and Design, 2015, 15, 3150-3156.	3.0	12
118	Advanced Biomimetic Approach for Crystal Growth in Nonaqueous Media: Morphology and Orientation Control of Pentacosadiynoic Acid and Applications. Chemistry of Materials, 2015, 27, 2627-2632.	6.7	29
119	Crystal-surface-induced simultaneous synthesis and hierarchical morphogenesis of conductive polymers. Chemical Communications, 2015, 51, 9698-9701.	4.1	17
120	A hydrophobic adsorbent based on hierarchical porous polymers derived from morphologies of a biomineral. Chemical Communications, 2015, 51, 7919-7922.	4.1	22
121	Application of biogenic iron phosphate for lithium-ion batteries. RSC Advances, 2015, 5, 68751-68757.	3.6	3
122	Variation in Mesoscopic Textures of Biogenic and Biomimetic Calcite Crystals. Crystal Growth and Design, 2015, 15, 3755-3761.	3.0	7
123	Six-armed twin crystals composed of lithium iron silicate nanoplates and their electrochemical properties. CrystEngComm, 2015, 17, 8486-8491.	2.6	8
124	Formation of uniformly sized metal oxide nanocuboids in the presence of precursor grains in an apolar medium. CrystEngComm, 2015, 17, 7477-7481.	2.6	12
125	VOC decomposition over a wide range of temperatures using thermally stable Cr <sup>6+</sup> sites in a porous silica matrix. Catalysis Communications, 2015, 72, 161-164.	3.3	11
126	Incorporation of organic crystals into the interspace of oriented nanocrystals: morphologies and properties. Nanoscale, 2015, 7, 3466-3473.	5.6	10



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127	Hydrophobic Inorganic-Organic Composite Nanosheets Based on Monolayers of Transition Metal Oxides. <i>Chemistry of Materials</i> , 2014, 26, 3579-3585.	6.7	52
128	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
129	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
130	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
131	Basicity-controlled synthesis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanocrystals by a solvothermal method. <i>RSC Advances</i> , 2014, 4, 44124-44129.	3.6	8
132	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
133	Band-gap expansion of tungsten oxide quantum dots synthesized in sub-nano porous silica. <i>Chemical Communications</i> , 2013, 49, 8477.	4.1	78
134	Microscale pin holders of $\text{Fe-Co(OH)}_2$ and $\text{LiCoO}_2$ having a single-crystalline feature. <i>CrystEngComm</i> , 2013, 15, 6465.	2.6	2
135	Formation of <i>c</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
136	Monolayered Nanodots of Transition Metal Oxides. <i>Journal of the American Chemical Society</i> , 2013, 135, 4501-4508.	13.7	46
137	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
138	Syntheses of $\text{LiCoO}_2$ Mesocrystals by Topotactic Transformation and Their Electrochemical Properties. <i>ChemPlusChem</i> , 2013, 78, 1379-1383.	2.8	15
139	Thin Films that Consist of $\text{CuO}$ 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
140	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
141	Low-temperature syntheses of cubic $\text{BaTiO}_3$ nanoparticles in highly basic aqueous solution. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 388-392.	1.1	4
142	Formation of trigonal microarrays with cubic $\text{Ba(NO}_3)_2$ in a polymer matrix. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 555-558.	1.1	3
143	A Microbial-Mineralization-Inspired Approach for Systematic Syntheses of Copper Oxides with Controlled Morphologies in an Aqueous Solution at Room Temperature. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 821-828.	3.2	1
144	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

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145	ZnO nano-rectangular framework-like structure from zinc hydroxide acetate plates. Journal of the Ceramic Society of Japan, 2012, 120, 171-174.	1.1	6
146	Versatile Modification for Highly Dispersive and Functionalized Mesoporous Silica Nanoparticles. Chemistry Letters, 2012, 41, 507-509.	1.3	5
147	Enhanced photoconductive properties of a simple composite coaxial nanostructure of zinc oxide and polypyrrole. Journal of Materials Chemistry, 2012, 22, 21195.	6.7	18
148	Oriented Nanocrystal Mosaic in Monodispersed CaCO <sub>3</sub> Microspheres with Functional Organic Molecules. Crystal Growth and Design, 2012, 12, 876-882.	3.0	46
149	Morphology and orientation control of guanine crystals: a biogenic architecture and its structure mimetics. Journal of Materials Chemistry, 2012, 22, 22686.	6.7	30
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