

# Satoshi Kajiyama

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

1,953

citations

16

h-index

28

g-index

28

ext. papers

2,261

ext. citations

9.1

avg, IF

4.93

L-index

#	Paper	IF	Citations
28	Gemini Thermotropic Smectic Liquid Crystals for Two-Dimensional Nanostructured Water-Treatment Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20598-20605	9.5	7
27	Bioinspired selective synthesis of liquid-crystalline nanocomposites: formation of calcium carbonate-based composite nanodisks and nanorods. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2326-2332	5.1	4
26	Shear-induced liquid-crystalline phase transition behaviour of colloidal solutions of hydroxyapatite nanorod composites. <i>Nanoscale</i> , <b>2020</b> , 12, 11468-11479	7.7	5
25	Nanostructured liquid-crystalline Li-ion conductors with high oxidation resistance: molecular design strategy towards safe and high-voltage-operation Li-ion batteries. <i>Chemical Science</i> , <b>2020</b> , 11, 10631-10637	9.4	13
24	Liquid-Crystalline Hydroxyapatite/Polymer Nanorod Hybrids: Potential Bioplatfrom for Photodynamic Therapy and Cellular Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17759-17765	9.5	18
23	Tuning the c-Axis Orientation of Calcium Phosphate Hybrid Thin Films Using Polymer Templates. <i>Langmuir</i> , <b>2019</b> , 35, 4077-4084	4	4
22	Development of biomineralization-inspired hybrids based on Echin and zinc hydroxide carbonate and their conversion into zinc oxide thin films. <i>CrystEngComm</i> , <b>2019</b> , 21, 2893-2899	3.3	0
21	Negative dielectric constant of water confined in nanosheets. <i>Nature Communications</i> , <b>2019</b> , 10, 850	17.4	68
20	MXene as a Charge Storage Host. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 591-599	24.3	203
19	Stimuli-responsive hydroxyapatite liquid crystal with macroscopically controllable ordering and magneto-optical functions. <i>Nature Communications</i> , <b>2018</b> , 9, 568	17.4	53
18	Noncovalent Approach to Liquid-Crystalline Ion Conductors: High-Rate Performances and Room-Temperature Operation for Li-Ion Batteries. <i>ACS Omega</i> , <b>2018</b> , 3, 159-166	3.9	19
17	Bioinspired Environmentally Friendly Amorphous CaCO <sub>3</sub> -Based Transparent Composites Comprising Cellulose Nanofibers. <i>ACS Omega</i> , <b>2018</b> , 3, 12722-12729	3.9	13
16	Enhanced Li-Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601873	21.8	124
15	One-dimensional supramolecular hybrids: self-assembled nanofibrous materials based on a sugar gelator and calcite developed along an unusual axis. <i>CrystEngComm</i> , <b>2017</b> , 19, 1580-1584	3.3	7
14	Macromolecular templates for biomineralization-inspired crystallization of oriented layered zinc hydroxides. <i>Polymer Journal</i> , <b>2017</b> , 49, 735-739	2.7	2
13	Sodium-Ion Intercalation Mechanism in MXene Nanosheets. <i>ACS Nano</i> , <b>2016</b> , 10, 3334-41	16.7	315
12	Potentiometric Study to Reveal Reaction Entropy Behavior of Biphasic Na <sub>1+2x</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Electrodes. <i>Electrochemistry</i> , <b>2016</b> , 84, 234-237	1.2	6

11	Rapid and topotactic transformation from octacalcium phosphate to hydroxyapatite (HAP): a new approach to self-organization of free-standing thin-film HAP-based nanohybrids. <i>CrystEngComm</i> , <b>2016</b> , 18, 8388-8395	3.3	14
10	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. <i>Nature Communications</i> , <b>2015</b> , 6, 6544	17.4	707
9	Liquid-crystalline calcium carbonate: biomimetic synthesis and alignment of nanorod calcite. <i>Chemical Science</i> , <b>2015</b> , 6, 6230-6234	9.4	24
8	Formation of Helically Structured Chitin/CaCO <sub>3</sub> Hybrids through an Approach Inspired by the Biomineralization Processes of Crustacean Cuticles. <i>Small</i> , <b>2015</b> , 11, 5127-33	11	53
7	Assembly of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoparticles confined in a one-dimensional carbon sheath for enhanced sodium-ion cathode properties. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12636-40	4.8	63
6	Phase separation of a hexacyanoferrate-bridged coordination framework under electrochemical Na-ion insertion. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3141-7	5.1	23
5	Aragonite nanorods in calcium carbonate/polymer hybrids formed through self-organization processes from amorphous calcium carbonate solution. <i>Small</i> , <b>2014</b> , 10, 1634-41	11	42
4	Formation of Rectangular Plate-like MnOOH and Sheet-like MnOOH by Slow Diffusion of Ammonia Vapor. <i>Chemistry Letters</i> , <b>2013</b> , 42, 341-343	1.7	4
3	CaCO <sub>3</sub> /Chitin hybrids: recombinant acidic peptides based on a peptide extracted from the exoskeleton of a crayfish controls the structures of the hybrids. <i>Faraday Discussions</i> , <b>2012</b> , 159, 483	3.6	20
2	Selective synthesis and thin-film formation of Cobalt hydroxide through an approach inspired by biomineralization. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 4140		35
1	Nanosegregated Amorphous Composites of Calcium Carbonate and an Organic Polymer. <i>Advanced Materials</i> , <b>2008</b> , 20, 3633-3637	24	107