

Atsuko Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

944
citations

759233

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h-index

752698

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20
all docs

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docs citations

20
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanoplates with Special Shapes: Controlled Synthesis and Their Surface Plasmon Resonance and Surface-Enhanced Raman Scattering Properties. <i>Chemistry of Materials</i> , 2006, 18, 4894-4901.	6.7	254
2	Ferromagnetic resonance and low-temperature magnetic tests for biogenic magnetite. <i>Earth and Planetary Science Letters</i> , 2004, 224, 73-89.	4.4	147
3	Highly oriented aragonite nanocrystal-biopolymer composites in an aragonite brick of the nacreous layer of <i>Pinctada fucata</i> . <i>Chemical Communications</i> , 2004, , 996-997.	4.1	86
4	Designed Fabrication of Ordered Porous Au/Ag Nanostructured Films for Surface-Enhanced Raman Scattering Substrates. <i>Langmuir</i> , 2006, 22, 2605-2609.	3.5	86
5	Experimental observation of magnetosome chain collapse in magnetotactic bacteria: Sedimentological, paleomagnetic, and evolutionary implications. <i>Earth and Planetary Science Letters</i> , 2006, 245, 538-550.	4.4	86
6	Ferromagnetic resonance spectroscopy for assessment of magnetic anisotropy and magnetostatic interactions: A case study of mutant magnetotactic bacteria. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	61
7	Selective Doping of Photochromic Dye into Nanostructures of Diblock Copolymer Films by Vaporization in a Vacuum. <i>Chemistry of Materials</i> , 2004, 16, 3469-3475.	6.7	41
8	Studies of Inorganic Crystals in Biological Tissue: Magnetic in Human Tumor.. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 1997, 44, 294-300.	0.2	32
9	A ferromagnetic model for the action of electric and magnetic fields in cryopreservation. <i>Cryobiology</i> , 2014, 68, 163-165.	0.7	30
10	lynx1 Supports Neuronal Health in the Mouse Dorsal Striatum During Aging: an Ultrastructural Investigation. <i>Journal of Molecular Neuroscience</i> , 2014, 53, 525-536.	2.3	22
11	Magnetic control of heterogeneous ice nucleation with nanophase magnetite: Biophysical and agricultural implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5383-5388.	7.1	18
12	The (PATAN)-CheY-Like Response Regulator PixE Interacts with the Motor ATPase PilB1 to Control Negative Phototaxis in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2020, 61, 296-307.	3.1	17
13	A first test of the hypothesis of biogenic magnetite-based heterogeneous ice-crystal nucleation in cryopreservation. <i>Cryobiology</i> , 2016, 72, 216-224.	0.7	13
14	Fabrication of polymer thin films with in-depth dye-dispersed structures by the vacuum spray method. <i>Thin Solid Films</i> , 2008, 516, 1663-1668.	1.8	12
15	Direct Observation of Polymer-Binding Site on Calcite Crystal by FE/SEM: Regulation of Binding Abilities by a Rotation of Amide Group in Poly(carboxylate) to CaCO ₃ Crystals. <i>Chemistry Letters</i> , 2004, 33, 192-193.	1.3	11
16	Formation of 6-, 7- or 8-membered ring intra-side-chain NHO hydrogen bond toward Ca-binding oxyanion in poly(allylaminocarboxylate) ligands stabilizes CaCO ₃ vaterite crystals. <i>Journal of Crystal Growth</i> , 2004, 263, 552-563.	1.5	8
17	Restriction of CaCO ₃ polymorph by NH ₄ ⁺ O hydrogen-bonded poly(methacryloylaminocarboxylate) ligands: induced polymorph change by strength and/or formation manner of hydrogen bond. <i>Journal of Materials Chemistry</i> , 2005, 15, 2178.	6.7	7
18	Control of Gradient Structure of Dye Dispersed in Polymer Thin Films by Vacuum Spray Method. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 231-233.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Technical note: A tool for determining rotational tilt axis with or without fiducial markers. Ultramicroscopy, 2009, 110, 1-6.	1.9	4
20	Study of Inorganic Crystalline Solid in Biosystem-Magnetite in Human Body.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1996, 43, 1354-1360.	0.2	3