Atsuko Kobayashi

List of Publications by Year
in descending order

20 papers	944 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1294 citing authors

#	Article	IF	Citations
1	The (PATAN)-CheY-Like Response Regulator PixE Interacts with the Motor ATPase PilB1 to Control Negative Phototaxis in the Cyanobacterium Synechocystis sp. PCC 6803. Plant and Cell Physiology, 2020, 61, 296-307.	3.1	17
2	Magnetic control of heterogeneous ice nucleation with nanophase magnetite: Biophysical and agricultural implications. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5383-5388.	7.1	18
3	A first test of the hypothesis of biogenic magnetite-based heterogeneous ice-crystal nucleation in cryopreservation. Cryobiology, 2016, 72, 216-224.	0.7	13
4	A ferromagnetic model for the action of electric and magnetic fields in cryopreservation. Cryobiology, 2014, 68, 163-165.	0.7	30
5	lynx1 Supports Neuronal Health in the Mouse Dorsal Striatum During Aging: an Ultrastructural Investigation. Journal of Molecular Neuroscience, 2014, 53, 525-536.	2.3	22
6	Technical note: A tool for determining rotational tilt axis with or without fiducial markers. Ultramicroscopy, 2009, 110, 1-6.	1.9	4
7	Fabrication of polymer thin films with in-depth dye-dispersed structures by the vacuum spray method. Thin Solid Films, 2008, 516, 1663-1668.	1.8	12
8	Control of Gradient Structure of Dye Dispersed in Polymer Thin Films by Vacuum Spray Method. Japanese Journal of Applied Physics, 2006, 45, 231-233.	1.5	6
9	Ferromagnetic resonance spectroscopy for assessment of magnetic anisotropy and magnetostatic interactions: A case study of mutant magnetotactic bacteria. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	61
10	Designed Fabrication of Ordered Porous Au/Ag Nanostructured Films for Surface-Enhanced Raman Scattering Substrates. Langmuir, 2006, 22, 2605-2609.	3.5	86
11	Experimental observation of magnetosome chain collapse in magnetotactic bacteria: Sedimentological, paleomagnetic, and evolutionary implications. Earth and Planetary Science Letters, 2006, 245, 538-550.	4.4	86
12	Silver Nanoplates with Special Shapes:Â Controlled Synthesis and Their Surface Plasmon Resonance and Surface-Enhanced Raman Scattering Properties. Chemistry of Materials, 2006, 18, 4894-4901.	6.7	254
13	Restriction of CaCO3 polymorph by NHâ‹¯O hydrogen-bonded poly(methacryloylaminocarboxylate) ligands: induced polymorph change by strength and/or formation manner of hydrogen bond. Journal of Materials Chemistry, 2005, 15, 2178.	6.7	7
14	Formation of 6-, 7- or 8-membered ring intra-side-chain NHO hydrogen bond toward Ca-binding oxyanion in poly(allylaminocarboxylate) ligands stabilizes CaCO3 vaterite crystals. Journal of Crystal Growth, 2004, 263, 552-563.	1.5	8
15	Highly oriented aragonite nanocrystalâ€“biopolymer composites in an aragonite brick of the nacreous layer of Pinctada fucata. Chemical Communications, 2004, , 996-997.	4.1	86
16	Selective Doping of Photochromic Dye into Nanostructures of Diblock Copolymer Films by Vaporization in a Vacuum. Chemistry of Materials, 2004, 16, 3469-3475.	6.7	41
17	Ferromagnetic resonance and low-temperature magnetic tests for biogenic magnetite. Earth and Planetary Science Letters, 2004, 224, 73-89.	4.4	147
18	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 CaCO3Crystals. Chemistry Letters, 2004, 33, 192-193.	1.3	11

#	Article	IF	Citations
19	Studies of Inorganic Crystals in Biological Tissue: Magnetic in Human Tumor.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1997, 44, 294-300.	0.2	32
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