

Tohru Araki

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,541
citations

566801

15
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

3013
citing authors

#	ARTICLE	IF	CITATIONS
1	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	6.0	848
2	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. <i>Science</i> , 2006, 314, 1720-1724.	6.0	519
3	Compatibilizing Bulk Polymer Blends by Using Organoclays. <i>Macromolecules</i> , 2006, 39, 4793-4801.	2.2	316
4	Quantitative organic and light element analysis of comet 81P/Wild 2 particles using Ca, Na, and O K α XANES. <i>Meteoritics and Planetary Science</i> , 2008, 43, 353-365.	0.7	137
5	Soft x-ray resonant reflectivity of low-Z material thin films. <i>Applied Physics Letters</i> , 2005, 87, 214109.	1.5	103
6	Substrate Effect on the Melting Temperature of Thin Polyethylene Films. <i>Physical Review Letters</i> , 2006, 96, 028303.	2.9	102
7	Resonant soft x-ray reflectivity of organic thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 575-586.	0.9	67
8	Resonant soft x-ray scattering from structured polymer nanoparticles. <i>Applied Physics Letters</i> , 2006, 89, 124106.	1.5	66
9	Molecular identification of fungi microfossils in a Neoproterozoic shale rock. <i>Science Advances</i> , 2020, 6, eaax7599.	4.7	65
10	Biolabile ferrous iron bearing nanoparticles in glacial sediments. <i>Earth and Planetary Science Letters</i> , 2018, 493, 92-101.	1.8	53
11	Direct Imaging and Spectroscopic Characterization of Stimulus-Responsive Microgels. <i>Journal of the American Chemical Society</i> , 2005, 127, 16808-16809.	6.6	48
12	First Direct Imaging of Electrolyte-Induced Deswelling Behavior of pH-Responsive Microgels in Aqueous Media Using Scanning Transmission X-ray Microscopy. <i>Langmuir</i> , 2009, 25, 2588-2592.	1.6	37
13	The utility of resonant soft x-ray scattering and reflectivity for the nanoscale characterization of polymers. <i>European Physical Journal: Special Topics</i> , 2009, 167, 121-126.	1.2	34
14	Element-Specific Magnetic Domain Imaging of (Nd, Dy)-Fe-B Sintered Magnets Using Scanning Transmission X-Ray Microscopy. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2672-2675.	1.2	34
15	Organic synthesis associated with serpentinization and carbonation on early Mars. <i>Science</i> , 2022, 375, 172-177.	6.0	32
16	Diffuse Hydrothermal Venting: A Hidden Source of Iron to the Oceans. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	17
17	Probing the Chain and Crystal Lattice Orientation in Polyethylene Thin Films by Near Edge X-ray Absorption Fine Structure (NEXAFS) Spectroscopy. <i>Macromolecules</i> , 2010, 43, 8153-8161.	2.2	13
18	Morphology Controlled PA11 Bio-Alloys with Excellent Impact Strength. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2158-2164.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Investigation of Blend Miscibility of a Ternary PS/PCHMA/PMMA System Using SIMS and Mean-Field Theory. <i>Macromolecules</i> , 2005, 38, 10511-10515.	2.2	11
20	Zinc incorporation in marine bivalve shells grown in mine-polluted seabed sediments: a case study in the Malfidano mining area (SW Sardinia, Italy). <i>Environmental Science and Pollution Research</i> , 2018, 25, 36645-36660.	2.7	10
21	Investigation of the foil structure and corrosion mechanisms of modern Zwischgold using advanced analysis techniques. <i>Journal of Cultural Heritage</i> , 2018, 31, 122-132.	1.5	8
22	A Sub-Microanalysis Approach in Chemical Characterisation of Gold Nanorods Formed by a Novel Polymer-Immobilised Gold Seeds Base. <i>Nanomaterials</i> , 2017, 7, 331.	1.9	6
23	Investigating Nanoscale Electron Transfer Processes at the Cell-Mineral Interface in Cobalt-Doped Ferrihydrite Using <i>Geobacter sulfurreducens</i> : A Multi-Technique Approach. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	2