

Aobo Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11442043/publications.pdf>

Version: 2024-02-01

16
papers

195
citations

1040056

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1199594

12
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all docs

17
docs citations

17
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating microsystems with metamaterials towards metadevices. <i>Microsystems and Nanoengineering</i> , 2019, 5, 5.	7.0	65
2	Biosilica structures obtained from <i>Nitzschia</i> , <i>Ditylum</i> , <i>Skeletonema</i> , and <i>Coscinodiscus</i> diatom by a filtration-aided acid cleaning method. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 1165-1178.	3.6	24
3	Assembling and Patterning of Diatom Frustules onto PDMS Substrates Using Photoassisted Chemical Bonding. <i>Chemistry Letters</i> , 2011, 40, 1354-1356.	1.3	15
4	Towards uniformly oriented diatom frustule monolayers: Experimental and theoretical analyses. <i>Microsystems and Nanoengineering</i> , 2016, 2, 16064.	7.0	14
5	Graphene Nanofluids as Thermal Management Materials: Molecular Dynamics Study on Orientation and Temperature Effects. <i>ACS Applied Nano Materials</i> , 2019, 2, 6828-6835.	5.0	14
6	Diatom Frustule-Inspired Metamaterial Absorbers: The Effect of Hierarchical Pattern Arrays. <i>Advanced Functional Materials</i> , 2019, 29, 1809029.	14.9	14
7	Multi-layer hierarchical array fabricated with diatom frustules for highly sensitive bio-detection applications. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 025014.	2.6	13
8	Bonding of diatom frustules and Si substrates assisted by hydrofluoric acid. <i>New Journal of Chemistry</i> , 2014, 38, 206-212.	2.8	10
9	Biologically enabled micro- and nanostencil lithography using diatoms. <i>Extreme Mechanics Letters</i> , 2015, 4, 186-192.	4.1	9
10	Silica Nanowire Growth on <i>Coscinodiscus</i> Species Diatom Frustules via Vapor-Liquid-Solid Process. <i>Small</i> , 2018, 14, 1801822.	10.0	8
11	Culture and Motion Analysis of Diatom <i>Bacillaria paradoxa</i> on a Microfluidic Platform. <i>Current Microbiology</i> , 2013, 67, 652-658.	2.2	5
12	Metamaterials: Diatom Frustule-Inspired Metamaterial Absorbers: The Effect of Hierarchical Pattern Arrays (<i>Adv. Funct. Mater.</i> 22/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970151.	14.9	3
13	Diatom based biosensor for high sensitive fluorescence detection based on a spin-on glass bonding technique. , 2012, , .		1
14	Integrating Microsystems with Metamaterials Towards Metadevices. , 2019, , .		0
15	Integrating Microsystems with Metamaterials Towards Metadevices. , 2019, , .		0
16	A High Sensitivity Microfluidic Channel Enabled Terahertz Metamaterial Absorber For Sensing And Detectio. , 2019, , .		0