

Shogo Koga

List of Publications by Year in descending order

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papers

912
citations

840119

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h-index

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all docs

20
docs citations

20
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptide-nucleotide microdroplets as a step towards a membrane-free protocell model. <i>Nature Chemistry</i> , 2011, 3, 720-724.	6.6	469
2	Mechanical Oscillation Coupled with the Belousov-Zhabotinsky Reaction in Gel. <i>Langmuir</i> , 2003, 19, 5595-5600.	1.6	89
3	Polymer/nucleotide droplets as bio-inspired functional micro-compartments. <i>Soft Matter</i> , 2012, 8, 6004.	1.2	89
4	Effect of Hydrophobic Substances on the Volume-Phase Transition of N-Isopropylacrylamide Gels. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4105-4110.	1.2	61
5	Salt Effects on the Volume Phase Transition of Ionic Gel Induced by the Hydrophobic Counterion Binding. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5852-5855.	1.2	29
6	1 Tbit/inch ² Recording in Angular-Multiplexing Holographic Memory with Constant Signal-to-Scatter Ratio Schedule. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 09LD01.	0.8	27
7	Dendronized macromonomers for three-dimensional data storage. <i>Chemical Communications</i> , 2009, , 425-427.	2.2	26
8	Roles of Hydrophobic Interaction in a Volume Phase Transition of Alkylacrylamide Gel Induced by the Hydrogen-Bond-Driving Alkylphenol Binding. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1055-1062.	1.2	16
9	Slow Relaxation of the Elastic N-Isopropylacrylamide Gel. <i>Macromolecules</i> , 2002, 35, 857-860.	2.2	14
10	High-Density Holographic Data Storage Using Three-Dimensional Shift Multiplexing with Spherical Reference Wave. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 09LD07.	0.8	13
11	Salt Effect on Elastic Properties of Shrunken N-Isopropylacrylamide Gel. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6893-6897.	1.2	12
12	A practically designed acoustic metamaterial sheet with two-dimensional connection of local resonators for sound insulation applications. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	12
13	Dielectric Properties of Collapsing Hydrogels. <i>Macromolecules</i> , 1999, 32, 4619-4624.	2.2	11
14	Elastic Relaxations of Ionic Gel Associated with Hydrophobic Counterion. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11893-11897.	1.2	10
15	Nanostructures of polyelectrolyte gel-surfactant complexes in uniaxially stretched networks. <i>Physical Review E</i> , 2003, 68, 021504.	0.8	9
16	Order-Disorder Phase Transition of Polyelectrolyte Gel-Surfactant Complexes. <i>Macromolecules</i> , 2004, 37, 3809-3814.	2.2	8
17	Elastic Relaxation of Collapsed Poly(alkylacrylamide) Gels and Their Complexes with Phenol. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10838-10844.	1.2	5
18	Terabyte holographic recording with monocular architecture. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
19	Mesostructured silica hybrids from liquid polyelectrolyte-surfactant-aminosilanol complexes. Journal of Materials Chemistry, 2010, 20, 5736.	6.7	4
20	Characterization of Fatty Acid Coated Polymer/Nucleotide Droplets. Materials Science Forum, 2016, 840, 213-219.	0.3	3