

Mathias Reufer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2246766/publications.pdf>

Version: 2024-02-01

14
papers

654
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	Flagellated bacterial motility in polymer solutions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17771-17776.	7.1	139
2	Differential Dynamic Microscopy: A High-Throughput Method for Characterizing the Motility of Microorganisms. Biophysical Journal, 2012, 103, 1637-1647.	0.5	116
3	Brushlike Interactions between Thermoresponsive Microgel Particles. Physical Review Letters, 2010, 104, 128304.	7.8	86
4	Differential Dynamic Microscopy for Anisotropic Colloidal Dynamics. Langmuir, 2012, 28, 4618-4624.	3.5	74
5	Transport of light in amorphous photonic materials. Applied Physics Letters, 2007, 91, .	3.3	56
6	Morphology and Orientational Behavior of Silica-Coated Spindle-Type Hematite Particles in a Magnetic Field Probed by Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2010, 114, 4763-4769.	2.6	35
7	Inorganic-organic elastomer nanocomposites from integrated ellipsoidal silica-coated hematite nanoparticles as crosslinking agents. Nanotechnology, 2010, 21, 185603.	2.6	32
8	Switching of Swimming Modes in Magnetospirillum gryphiswaldense. Biophysical Journal, 2014, 106, 37-46.	0.5	29
9	Introducing Diffusing Wave Spectroscopy as a Process Analytical Tool for Pharmaceutical Emulsion Manufacturing. Journal of Pharmaceutical Sciences, 2014, 103, 3902-3913.	3.3	26
10	Single Step Hybrid Coating Process to Enhance the Electrosteric Stabilization of Inorganic Particles. Langmuir, 2011, 27, 6622-6627.	3.5	20
11	Improved diffusing wave spectroscopy based on the automatized determination of the optical transport and absorption mean free path. Korea Australia Rheology Journal, 2017, 29, 241-247.	1.7	20
12	Soft Nanotechnology – from Colloid Physics to Nanostructured Functional Materials. Chimia, 2008, 62, 805.	0.6	19
13	Breakdown of the continuum limit approximation to the discrete scattering events and its influence on the electric field autocorrelation functions of transmitted light. Physical Review A, 2014, 90, .	2.5	1
14	Broadband Diffusing Wave Spectroscopy Reveals Microstructuring of Polymer-Drug System. Crystal Growth and Design, 2020, 20, 3957-3967.	3.0	1