Mathias Reufer

List of Publications by Year
in descending order

14	654	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband Diffusing Wave Spectroscopy Reveals Microstructuring of Polymerâ€“Drug System. Crystal Growth and Design, 2020, 20, 3957-3967.	3.0	1
2	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
3	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
4	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
5	Introducing Diffusing Wave Spectroscopy as a Process Analytical Tool for Pharmaceutical Emulsion Manufacturing. Journal of Pharmaceutical Sciences, 2014, 103, 3902-3913.	3.3	26
6	Switching of Swimming Modes in Magnetospirillium gryphiswaldense. Biophysical Journal, 2014, 106, 37-46.	0.5	29
7	Differential Dynamic Microscopy for Anisotropic Colloidal Dynamics. Langmuir, 2012, 28, 4618-4624.	3.5	74
8	Differential Dynamic Microscopy: A High-Throughput Method for Characterizing the Motility of Microorganisms. Biophysical Journal, 2012, 103, 1637-1647.	0.5	116
9	Single Step Hybrid Coating Process to Enhance the Electrosteric Stabilization of Inorganic Particles. Langmuir, 2011, 27, 6622-6627.	3.5	20
10	Inorganicâ€“organic elastomer nanocomposites from integrated ellipsoidal silica-coated hematite nanoparticles as crosslinking agents. Nanotechnology, 2010, 21, 185603.	2.6	32
11	Brushlike Interactions between Thermoresponsive Microgel Particles. Physical Review Letters, 2010, 104, 128304.	7.8	86
12	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
13	Soft Nanotechnology â€“ from Colloid Physics to Nanostructured Functional Materials. Chimia, 2008, 62, 805.	0.6	19
14	Transport of light in amorphous photonic materials. Applied Physics Letters, 2007, 91, .	3.3	56