Joerg Schotter

List of Publications by Year
in descending order

18	365	933447 10	996975 15
papers	citations	h-index	g-index

19	19	19	606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoimprinted multifunctional nanoprobes for a homogeneous immunoassay in a top-down fabrication approach. Scientific Reports, 2021, 11, 6039.	3.3	3
2	Multifunctional Nanostructures and Nanopocket Particles Fabricated by Nanoimprint Lithography. Nanomaterials, 2019, 9, 1790.	4.1	10
3	Fabrication of nanoparticles for biosensing using UV-NIL and lift-off. , 2018, , .		2
4	Applications, Surface Modification and Functionalization of Nickel Nanorods. Materials, 2018, 11, 45.	2.9	17
5	Direct protein quantification in complex sample solutions by surface-engineered nanorod probes. Scientific Reports, 2017, 7, 4752.	3.3	11
6	Homogeneous Biosensing Based on Magnetic Particle Labels. Sensors, 2016, 16, 828.	3.8	75
7	Homogeneous Protein Analysis by Magnetic Coreâ€“Shell Nanorod Probes. ACS Applied Materials & Interfaces, 2016, 8, 8893-8899.	8.0	18
8	Optical biosensor technologies for molecular diagnostics at the point-of-care. , 2015, , .		3
9	Single-core magnetic markers in rotating magnetic field based homogeneous bioassays and the law of mass action. Journal of Magnetism and Magnetic Materials, 2015, 380, 205-208.	2.3	4
10	Air- and Water-Resistant Noble Metal Coated Ferromagnetic Cobalt Nanorods. ACS Nano, 2015, 9, 2792-2804.	14.6	27
11	Integrated optical waveguide and nanoparticle based label-free molecular biosensing concepts. , 2014, , .		0
12	Direct Protein Detection in the Sample Solution by Monitoring Rotational Dynamics of Nickel Nanorods. Small, 2014, 10, 407-411.	10.0	33
13	Modeling and Development of a Biosensor Based on Optical Relaxation Measurements of Hybrid Nanoparticles. ACS Nano, 2012, 6, 791-801.	14.6	44
14	Homogeneous biosensor based on optical detection of the rotational dynamics of anisotropic nanoparticles. Procedia Engineering, 2010, 5, 1107-1110.	1.2	11
15	Development of a magnetic lab-on-a-chip for point-of-care sepsis diagnosis. Journal of Magnetism and Magnetic Materials, 2009, 321, 1671-1675.	2.3	26
16	Recognition of biomolecular interactions by plasmon resonance shifts in single- and multicomponent magnetic nanoparticles. Applied Physics Letters, 2008, 93, 144105.	3.3	12
17	Magnetoresistive sensors and magnetic nanoparticles for biotechnology. Journal of Materials Research, 2005, 20, 3294-3302.	2.6	68
18	Magnetoresistive Sensors and Magnetic Nanoparticles for Biotechnology. Materials Research Society Symposia Proceedings, 2004, 853, 119.	0.1	1