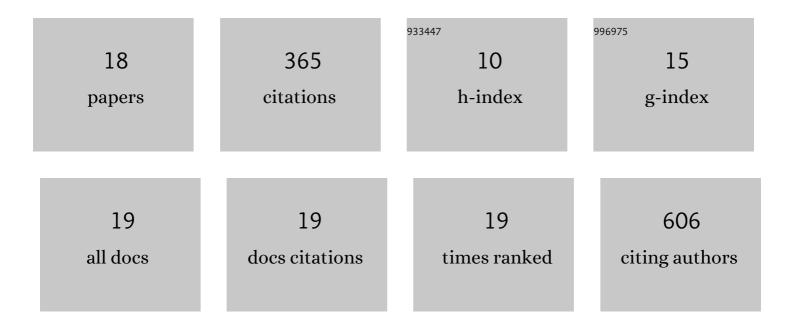
Joerg Schotter

List of Publications by Year in descending order

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

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