

# Joerg Schotter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10907975/publications.pdf>

Version: 2024-02-01

18  
papers

365  
citations

933447

10  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

606  
citing authors

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