

Stefan MÃ¼hlig

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

962
citations

516710

16
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering photonic nanojets. <i>Optics Express</i> , 2011, 19, 10206.	3.4	153
2	Multipole analysis of meta-atoms. <i>Metamaterials</i> , 2011, 5, 64-73.	2.2	136
3	Self-Assembled Plasmonic Core-Shell Clusters with an Isotropic Magnetic Dipole Response in the Visible Range. <i>ACS Nano</i> , 2011, 5, 6586-6592.	14.6	111
4	Controlling the dynamics of quantum mechanical systems sustaining dipole-forbidden transitions via optical nanoantennas. <i>Physical Review B</i> , 2012, 86, .	3.2	60
5	A bottom-up approach to fabricate optical metamaterials by self-assembled metallic nanoparticles. <i>Optical Materials Express</i> , 2012, 2, 269.	3.0	58
6	Coupling of Plasmon Resonances in Tunable Layered Arrays of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8955-8960.	3.1	56
7	A self-assembled three-dimensional cloak in the visible. <i>Scientific Reports</i> , 2013, 3, 2328.	3.3	51
8	Cloaking dielectric spherical objects by a shell of metallic nanoparticles. <i>Physical Review B</i> , 2011, 83, .	3.2	46
9	Self-assembled plasmonic metamaterials. <i>Nanophotonics</i> , 2013, 2, 211-240.	6.0	43
10	Survey of Plasmonic Nanoparticles: From Synthesis to Application. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 721-744.	2.3	40
11	Plasmon Coupling in Self-Assembled Gold Nanoparticle-Based Honeycomb Islands. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18634-18641.	3.1	38
12	Distinguishing chemical and electromagnetic enhancement in surface-enhanced Raman spectra: The case of 4-nitrothiophenol. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1497-1505.	2.5	36
13	The spectral shift between near- and far-field resonances of optical nano-antennas. <i>Optics Express</i> , 2014, 22, 9971.	3.4	35
14	Gouy phase anomaly in photonic nanojets. <i>Applied Physics Letters</i> , 2011, 98, 191114.	3.3	34
15	Refraction limit of miniaturized optical systems: a ball-lens example. <i>Optics Express</i> , 2016, 24, 6996.	3.4	29
16	Stacked and Tunable Large-Scale Plasmonic Nanoparticle Arrays for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10230-10237.	3.1	19
17	Exciting Bright and Dark Eigenmodes in Strongly Coupled Asymmetric Metallic Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17746-17752.	3.1	13
18	Generation of highly confined optical bottle beams by exploiting the photonic nanojet effect. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Multipole Analysis of Self-assembled Metamaterials. Nano-optics and Nanophotonics, 2013, , 89-117.	0.2	2
20	Bottom-up metamaterials with an isotropic magnetic response in the visible. , 2012, , .		0
21	Observation of Axial Phase Evolution of Highly Confined Light Fields. , 2011, , .		0