

Johan Grand

List of Publications by Year in descending order

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31
papers

1,381
citations

394421

19
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454955

30
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docs citations

32
times ranked

2350
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical Implementation of Accurate Finite-Element Calculations for Electromagnetic Scattering by Nanoparticles. <i>Plasmonics</i> , 2020, 15, 109-121.	3.4	15
2	Core-Shell Bimetallic Nanoparticle Trimers for Efficient Light-to-Chemical Energy Conversion. <i>ACS Energy Letters</i> , 2020, 5, 3881-3890.	17.4	37
3	Whispering-Gallery Mode Lasing in Perovskite Nanocrystals Chemically Bound to Silicon Dioxide Microspheres. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7009-7014.	4.6	16
4	Extinction-to-Absorption Ratio for Sensitive Determination of the Size and Dielectric Function of Gold Nanoparticles. <i>ACS Nano</i> , 2020, 14, 17597-17605.	14.6	14
5	Combined Extinction and Absorption UV-Visible Spectroscopy as a Method for Revealing Shape Imperfections of Metallic Nanoparticles. <i>Analytical Chemistry</i> , 2019, 91, 14639-14648.	6.5	26
6	Optical Monitoring of the Magnetoelectric Coupling in Individual Plasmonic Scatterers. <i>ACS Photonics</i> , 2016, 3, 1581-1588.	6.6	16
7	Highly stable silica-coated gold nanorods dimers for solution-based SERS. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32272-32280.	2.8	30
8	Plasmon-mediated chemical surface functionalization at the nanoscale. <i>Nanoscale</i> , 2016, 8, 8633-8640.	5.6	25
9	Engineering Thermoswitchable Lithographic Hybrid Gold Nanorods as Plasmonic Devices for Sensing and Active Plasmonics Applications. <i>ACS Photonics</i> , 2015, 2, 1199-1208.	6.6	41
10	Importance of Gold Nanorods' Aggregation in Surface Plasmon Coupling with a Photochromic Film in Hybrid Structures. <i>Plasmonics</i> , 2015, 10, 1863-1868.	3.4	3
11	Tailoring Anisotropic Interactions between Soft Nanospheres Using Dense Arrays of Smectic Liquid Crystal Edge Dislocations. <i>ACS Nano</i> , 2015, 9, 11678-11689.	14.6	33
12	Selective Functionalization of the Nanogap of a Plasmonic Dimer. <i>ACS Photonics</i> , 2015, 2, 121-129.	6.6	40
13	Gold nanoparticle self-assembly moderated by a cholesteric liquid crystal. <i>Soft Matter</i> , 2013, 9, 9366.	2.7	37
14	Template-assisted deposition of CTAB-functionalized gold nanoparticles with nanoscale resolution. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 237-242.	9.4	8
15	Silica-Coated Gold Nanorod Arrays for Nanoplasmonics Devices. <i>Langmuir</i> , 2013, 29, 12633-12637.	3.5	15
16	Photoswitchable interactions between photochromic organic diarylethene and surface plasmon resonance of gold nanoparticles in hybrid thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9670.	2.8	31
17	Discerning the Origins of the Amplitude Fluctuations in Dynamic Raman Nanospectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26919-26923.	3.1	11
18	Specific and Nondestructive Detection of Different Diarylethene Isomers by NIR-SERS. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16063-16069.	3.1	16

#	ARTICLE	IF	CITATIONS
19	Linear Self-Assembly of Nanoparticles Within Liquid Crystal Defect Arrays. <i>Advanced Materials</i> , 2012, 24, 1461-1465.	21.0	143
20	Influence of the Number of Nanoparticles on the Enhancement Properties of Surface-Enhanced Raman Scattering Active Area: Sensitivity versus Repeatability. <i>ACS Nano</i> , 2011, 5, 1630-1638.	14.6	29
21	A Scheme for Detecting Every Single Target Molecule with Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2011, 11, 5013-5019.	9.1	173
22	Gold Nanoparticles for Plasmonic Biosensing: The Role of Metal Crystallinity and Nanoscale Roughness. <i>BioNanoScience</i> , 2011, 1, 128-135.	3.5	65
23	Giant Plasmon Resonance Shift Using Poly(3,4-ethylenedioxythiophene) Electrochemical Switching. <i>Journal of the American Chemical Society</i> , 2010, 132, 10224-10226.	13.7	101
24	Tunable Electrochemical Switch of the Optical Properties of Metallic Nanoparticles. <i>ECS Transactions</i> , 2009, 25, 89-100.	0.5	0
25	Active Plasmonic Devices with Anisotropic Optical Response: A Step Toward Active Polarizer. <i>Nano Letters</i> , 2009, 9, 2144-2148.	9.1	68
26	Mapping local field distribution at metal nanostructures by near-field second-harmonic generation. <i>Proceedings of SPIE</i> , 2007, , .	0.8	5
27	Far-Field Raman Imaging of Short-Wavelength Particle Plasmons on Gold Nanorods. <i>Plasmonics</i> , 2006, 1, 35-39.	3.4	25
28	Optical Extinction Spectroscopy of Oblate, Prolate and Ellipsoid Shaped Gold Nanoparticles: Experiments and Theory. <i>Plasmonics</i> , 2006, 1, 135-140.	3.4	109
29	Raman scattering images and spectra of gold ring arrays. <i>Physical Review B</i> , 2006, 73, .	3.2	35
30	Near-Field Photochemical Imaging of Noble Metal Nanostructures. <i>Nano Letters</i> , 2005, 5, 615-619.	9.1	210
31	Mapping of localized surface plasmon fields via exposure of a photosensitive polymer. , 2004, 5450, 439.		1