

Nathaniel K Grady

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

6,689
citations

361045

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676716

22
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23
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docs citations

23
times ranked

9100
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz Metamaterials for Linear Polarization Conversion and Anomalous Refraction. <i>Science</i> , 2013, 340, 1304-1307.	6.0	1,678
2	Surface-Enhanced Raman Scattering from Individual Au Nanoparticles and Nanoparticle Dimer Substrates. <i>Nano Letters</i> , 2005, 5, 1569-1574.	4.5	1,070
3	Fluorescence Enhancement by Au Nanostructures: Nanoshells and Nanorods. <i>ACS Nano</i> , 2009, 3, 744-752.	7.3	547
4	Tailoring plasmonic substrates for surface enhanced spectroscopies. <i>Chemical Society Reviews</i> , 2008, 37, 898.	18.7	522
5	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11677-11681.	3.3	421
6	Electromigrated Nanoscale Gaps for Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2007, 7, 1396-1400.	4.5	295
7	Three-Dimensional Nanostructures as Highly Efficient Generators of Second Harmonic Light. <i>Nano Letters</i> , 2011, 11, 5519-5523.	4.5	273
8	Scattering Spectra of Single Gold Nanoshells. <i>Nano Letters</i> , 2004, 4, 2355-2359.	4.5	269
9	Plexciton Dynamics: Exciton-Plasmon Coupling in a J-Aggregate Au Nanoshell Complex Provides a Mechanism for Nonlinearity. <i>Nano Letters</i> , 2011, 11, 1556-1560.	4.5	260
10	Nanoparticle-Mediated Coupling of Light into a Nanowire. <i>Nano Letters</i> , 2007, 7, 2346-2350.	4.5	210
11	Cu Nanoshells: Effects of Interband Transitions on the Nanoparticle Plasmon Resonance. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18218-18222.	1.2	194
12	Influence of dielectric function properties on the optical response of plasmon resonant metallic nanoparticles. <i>Chemical Physics Letters</i> , 2004, 399, 167-171.	1.2	190
13	Nanoscale Control of Near-Infrared Fluorescence Enhancement Using Au Nanoshells. <i>Small</i> , 2008, 4, 1716-1722.	5.2	166
14	Metallic Nanoshells with Semiconductor Cores: Optical Characteristics Modified by Core Medium Properties. <i>ACS Nano</i> , 2010, 4, 6169-6179.	7.3	139
15	Profiling the Near Field of a Plasmonic Nanoparticle with Raman-Based Molecular Rulers. <i>Nano Letters</i> , 2006, 6, 2338-2343.	4.5	128
16	Nanoparticle-Induced Enhancement and Suppression of Photocurrent in a Silicon Photodiode. <i>Nano Letters</i> , 2008, 8, 624-630.	4.5	122
17	Determining the Conformation of Thiolated Poly(ethylene glycol) on Au Nanoshells by Surface-Enhanced Raman Scattering Spectroscopic Assay. <i>Analytical Chemistry</i> , 2006, 78, 3277-3281.	3.2	91
18	Hybrid metasurface for ultra-broadband terahertz modulation. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	38

#	ARTICLE	IF	CITATIONS
19	Nonlinear high-temperature superconducting terahertz metamaterials. New Journal of Physics, 2013, 15, 105016.	1.2	35
20	Nanostructure-Mediated Launching and Detection of 2D Surface Plasmons. ACS Nano, 2010, 4, 7566-7572.	7.3	22
21	Optically-Driven Collapse of a Plasmonic Nanogap Self-Monitored by Optical Frequency Mixing. Nano Letters, 2010, 10, 1522-1528.	4.5	17
22	Efficient metamaterial flat lenses. , 2014, , .		0