

Nathaniel K Grady

List of Publications by Citations

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21
papers

5,731
citations

19
h-index

23
g-index

23
ext. papers

6,298
ext. citations

13.4
avg, IF

5.28
L-index

#	Paper	IF	Citations
21	Terahertz metamaterials for linear polarization conversion and anomalous refraction. <i>Science</i> , 2013 , 340, 1304-7	33.3	1229
20	Surface-enhanced Raman scattering from individual au nanoparticles and nanoparticle dimer substrates. <i>Nano Letters</i> , 2005 , 5, 1569-74	11.5	978
19	Fluorescence enhancement by Au nanostructures: nanoshells and nanorods. <i>ACS Nano</i> , 2009 , 3, 744-52	16.7	492
18	Tailoring plasmonic substrates for surface enhanced spectroscopies. <i>Chemical Society Reviews</i> , 2008 , 37, 898-911	58.5	471
17	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, 11677-81	11.5	352
16	Electromigrated nanoscale gaps for surface-enhanced Raman spectroscopy. <i>Nano Letters</i> , 2007 , 7, 1396-400	11.5	280
15	Scattering Spectra of Single Gold Nanoshells. <i>Nano Letters</i> , 2004 , 4, 2355-2359	11.5	251
14	Three-dimensional nanostructures as highly efficient generators of second harmonic light. <i>Nano Letters</i> , 2011 , 11, 5519-23	11.5	246
13	Plexciton dynamics: exciton-plasmon coupling in a J-aggregate-Au nanoshell complex provides a mechanism for nonlinearity. <i>Nano Letters</i> , 2011 , 11, 1556-60	11.5	219
12	Nanoparticle-mediated coupling of light into a nanowire. <i>Nano Letters</i> , 2007 , 7, 2346-50	11.5	191
11	Influence of dielectric function properties on the optical response of plasmon resonant metallic nanoparticles. <i>Chemical Physics Letters</i> , 2004 , 399, 167-171	2.5	173
10	Cu nanoshells: effects of interband transitions on the nanoparticle plasmon resonance. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18218-22	3.4	166
9	Nanoscale control of near-infrared fluorescence enhancement using Au nanoshells. <i>Small</i> , 2008 , 4, 1716-22	11.5	157
8	Metallic nanoshells with semiconductor cores: optical characteristics modified by core medium properties. <i>ACS Nano</i> , 2010 , 4, 6169-79	16.7	129
7	Profiling the near field of a plasmonic nanoparticle with Raman-based molecular rulers. <i>Nano Letters</i> , 2006 , 6, 2338-43	11.5	112
6	Nanoparticle-induced enhancement and suppression of photocurrent in a silicon photodiode. <i>Nano Letters</i> , 2008 , 8, 624-30	11.5	107
5	Determining the conformation of thiolated poly(ethylene glycol) on Au nanoshells by surface-enhanced Raman scattering spectroscopic assay. <i>Analytical Chemistry</i> , 2006 , 78, 3277-81	7.8	86

- 4 Nonlinear high-temperature superconducting terahertz metamaterials. *New Journal of Physics*, **2013**, 15, 105016 2.9 31
- 3 Hybrid metasurface for ultra-broadband terahertz modulation. *Applied Physics Letters*, **2014**, 105, 181108.4 28
- 2 Nanostructure-mediated launching and detection of 2D surface plasmons. *ACS Nano*, **2010**, 4, 7566-72 16.7 18
- 1 Optically-driven collapse of a plasmonic nanogap self-monitored by optical frequency mixing. *Nano Letters*, **2010**, 10, 1522-8 11.5 14