Nathaniel K Grady

List of Publications by Year in Descending Order

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	Hybrid metasurface for ultra-broadband terahertz modulation. *Applied Physics Letters*, **2014**, 105, 181108	3.4	28
20	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11677-81	11.5	352
19	Terahertz metamaterials for linear polarization conversion and anomalous refraction. *Science*, **2013**, 340, 1304-7	33.3	1229
18	Nonlinear high-temperature superconducting terahertz metamaterials. *New Journal of Physics*, **2013**, 15, 105016	2.9	31
17	Plexciton dynamics: exciton-plasmon coupling in a J-aggregate-Au nanoshell complex provides a mechanism for nonlinearity. *Nano Letters*, **2011**, 11, 1556-60	11.5	219
16	Three-dimensional nanostructures as highly efficient generators of second harmonic light. *Nano Letters*, **2011**, 11, 5519-23	11.5	246
15	Optically-driven collapse of a plasmonic nanogap self-monitored by optical frequency mixing. *Nano Letters*, **2010**, 10, 1522-8	11.5	14
14	Metallic nanoshells with semiconductor cores: optical characteristics modified by core medium properties. *ACS Nano*, **2010**, 4, 6169-79	16.7	129
13	Nanostructure-mediated launching and detection of 2D surface plasmons. *ACS Nano*, **2010**, 4, 7566-72	16.7	18
12	Fluorescence enhancement by Au nanostructures: nanoshells and nanorods. *ACS Nano*, **2009**, 3, 744-52	16.7	492
11	Tailoring plasmonic substrates for surface enhanced spectroscopies. *Chemical Society Reviews*, **2008**, 37, 898-911	58.5	471
10	Nanoparticle-induced enhancement and suppression of photocurrent in a silicon photodiode. *Nano Letters*, **2008**, 8, 624-30	11.5	107
9	Nanoscale control of near-infrared fluorescence enhancement using Au nanoshells. *Small*, **2008**, 4, 1716-22	11.5	157
8	Electromigrated nanoscale gaps for surface-enhanced Raman spectroscopy. *Nano Letters*, **2007**, 7, 1396-400	11.5	280
7	Nanoparticle-mediated coupling of light into a nanowire. *Nano Letters*, **2007**, 7, 2346-50	11.5	191
6	Profiling the near field of a plasmonic nanoparticle with Raman-based molecular rulers. *Nano Letters*, **2006**, 6, 2338-43	11.5	112
5	Determining the conformation of thiolated poly(ethylene glycol) on Au nanoshells by surface-enhanced Raman scattering spectroscopic assay. *Analytical Chemistry*, **2006**, 78, 3277-81	7.8	86

4	Surface-enhanced Raman scattering from individual au nanoparticles and nanoparticle dimer substrates. *Nano Letters*, **2005**, 5, 1569-74	11.5	978
3	Cu nanoshells: effects of interband transitions on the nanoparticle plasmon resonance. *Journal of Physical Chemistry B*, **2005**, 109, 18218-22	3.4	166
2	Influence of dielectric function properties on the optical response of plasmon resonant metallic nanoparticles. *Chemical Physics Letters*, **2004**, 399, 167-171	2.5	173
1	Scattering Spectra of Single Gold Nanoshells. *Nano Letters*, **2004**, 4, 2355-2359	11.5	251