K Lance Kelly

List of Publications by Year
in descending order

13	11,938	758635 12	1125271 13
papers	citations	h-index	g-index

13	13	13	14690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Optical Properties of Metal Nanoparticles:â€‰ The Influence of Size, Shape, and Dielectric Environment. Journal of Physical Chemistry B, 2003, 107, 668-677.	1.2	9,036
2	Chain Length Dependence and Sensing Capabilities of the Localized Surface Plasmon Resonance of Silver Nanoparticles Chemically Modified with Alkanethiol Self-Assembled Monolayers. Journal of the American Chemical Society, 2001, 123, 1471-1482.	6.6	1,014
3	The Extinction Spectra of Silver Nanoparticle Arrays:Â Influence of Array Structure on Plasmon Resonance Wavelength and Widthâ€. Journal of Physical Chemistry B, 2003, 107, 7343-7350.	1.2	575
4	Nanosphere Lithography:â€‰ Effect of the External Dielectric Medium on the Surface Plasmon Resonance Spectrum of a Periodic Array of Silver Nanoparticles. Journal of Physical Chemistry B, 1999, 103, 9846-9853.	1.2	520
5	Nanosphere Lithography:Â Effect of Substrate on the Localized Surface Plasmon Resonance Spectrum of Silver Nanoparticles. Journal of Physical Chemistry B, 2001, 105, 2343-2350.	1.2	420
6	Optical properties of metal nanoparticles and nanoparticle aggregates important in biosensors. Computational and Theoretical Chemistry, 2000, 529, 59-63.	1.5	122
7	The Optical Properties of Metal Nanoparticles: The Influence of Size, Shape, and Dielectric Environment. ChemInform, 2003, 34, no.	0.1	61
8	Effects of adsorbed water on plasmon-based dissolution, redeposition and resulting spectral changes of Ag nanoparticles on single-crystalline TiO2. Physical Chemistry Chemical Physics, 2008, 10, 2263.	1.3	51
9	Plasmon resonance-based photoelectrochemical tailoring of spectrum, morphology and orientation of Ag nanoparticles on TiO2 single crystals. Journal of Materials Chemistry, 2009, 19, 5526.	6.7	48
10	Nanostructure of Silver Metal Produced Photocatalytically in TiO2 Films and the Mechanism of the Resulting Photochromic Behavior. Journal of Physical Chemistry B, 2006, 110, 7743-7749.	1.2	40
11	Photocatalytic growth and plasmon resonance-assisted photoelectrochemical toppling of upright Ag nanoplates on a nanoparticulate TiO2 film. Chemical Communications, 2009, , 3621.	2.2	24
12	Bi- and Uniaxially Oriented Growth and Plasmon Resonance Properties of Anisotropic Ag Nanoparticles on Single Crystalline TiO₂ Surfaces. Journal of Physical Chemistry C, 2009, 113, 4758-4762.	1.5	21
13	Effective Medium Theory of DNA-linked Gold Nanoparticle Aggregates:Effect of Aggregate Shape. Materials Research Society Symposia Proceedings, 2001, 635, C6.5.1.	0.1	6