Nicolas Large

List of Publications by Citations

37 papers	3,224 citations	21 h-index	42 g-index
42 ext. papers	3,678 ext. citations	8 avg, IF	5.1 L-index

#	Paper	IF	Citations
37	Hot electrons do the impossible: plasmon-induced dissociation of H2 on Au. *Nano Letters*, **2013**, 13, 240-7	11.5	1091
36	Hot-electron-induced dissociation of H2 on gold nanoparticles supported on SiO2. *Journal of the American Chemical Society*, **2014**, 136, 64-7	16.4	375
35	Near-field mediated plexcitonic coupling and giant Rabi splitting in individual metallic dimers. *Nano Letters*, **2013**, 13, 3281-6	11.5	365
34	Three-dimensional plasmonic nanoclusters. *Nano Letters*, **2013**, 13, 4399-403	11.5	148
33	Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. *Journal of Physical Chemistry Letters*, **2014**, 5, 370-4	6.4	146
32	Tunable plasmonic nanoparticles with catalytically active high-index facets. *Nano Letters*, **2014**, 14, 3674-82	11.5	131
31	Photoconductively loaded plasmonic nanoantenna as building block for ultracompact optical switches. *Nano Letters*, **2010**, 10, 1741-6	11.5	128
30	Gold nanoparticles with tipped surface structures as substrates for single-particle surface-enhanced Raman spectroscopy: concave nanocubes, nanotrisoctahedra, and nanostars. *ACS Applied Materials & Interfaces*, **2014**, 6, 17255-67	9.5	107
29	High-Resolution Distance Dependence Study of Surface-Enhanced Raman Scattering Enabled by Atomic Layer Deposition. *Nano Letters*, **2016**, 16, 4251-9	11.5	105
28	Influence of Surfactant Bilayers on the Refractive Index Sensitivity and Catalytic Properties of Anisotropic Gold Nanoparticles. *Small*, **2016**, 12, 330-42	11	59
27	Epitaxial Growth of Cu2O on Ag Allows for Fine Control Over Particle Geometries and Optical Properties of Ag□Cu2O Core□Shell Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 19948-19963	3.8	57
26	Electron Energy-Loss Spectroscopy Calculation in Finite-Difference Time-Domain Package. *ACS Photonics*, **2015**, 2, 369-375	6.3	54
25	Ag-Ag2S Hybrid Nanoprisms: Structural versus Plasmonic Evolution. *ACS Nano*, **2016**, 10, 5362-73	16.7	49
24	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. *ACS Nano*, **2015**, 9, 9331-9	16.7	46
23	Gold nanoring trimers: a versatile structure for infrared sensing. *Optics Express*, **2010**, 18, 22271-82	3.3	36
22	Unraveling near-field and far-field relationships for 3D SERS substrates--a combined experimental and theoretical analysis. *Analyst, The*, **2016**, 141, 1779-88	5	35
21	Plasmonic properties of gold ring-disk nano-resonators: fine shape details matter. *Optics Express*, **2011**, 19, 5587-95	3.3	32

20	Acousto-plasmonic hot spots in metallic nano-objects. *Nano Letters*, **2009**, 9, 3732-8	11.5	32
19	Direct Experimental Evidence of Hot Carrier-Driven Chemical Processes in Tip-Enhanced Raman Spectroscopy (TERS). *Journal of Physical Chemistry C*, **2020**, 124, 2238-2244	3.8	29
18	Local electron beam excitation and substrate effect on the plasmonic response of single gold nanostars. *Nanotechnology*, **2013**, 24, 405704	3.4	26
17	Orienting nanoantennas in three dimensions to control light scattering across a dielectric interface. *Nano Letters*, **2013**, 13, 5997-6001	11.5	26
16	Multiphysics Modeling of Plasmonic Photothermal Heating Effects in Gold Nanoparticles and Nanoparticle Arrays. *Journal of Physical Chemistry C*, **2020**, 124, 17172-17182	3.8	21
15	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties. *ACS Nano*, **2019**, 13, 10113-10128	16.7	20
14	Standing wave plasmon modes interact in an antenna-coupled nanowire. *Nano Letters*, **2015**, 15, 1324-30	11.5	18
13	Reversible Shape and Plasmon Tuning in Hollow AgAu Nanorods. *Nano Letters*, **2016**, 16, 6939-6945	11.5	18
12	Unraveling the Near- and Far-Field Relationship of 2D Surface-Enhanced Raman Spectroscopy Substrates Using Wavelength-Scan Surface-Enhanced Raman Excitation Spectroscopy. *Journal of Physical Chemistry C*, **2017**, 121, 14737-14744	3.8	14
11	Efficient Excitation of Higher Order Modes in the Plasmonic Response of Individual Concave Gold Nanocubes. *Journal of Physical Chemistry C*, **2017**, 121, 731-740	3.8	13
10	Raman-Brillouin light scattering in low-dimensional systems: Photoelastic model versus quantum model. *Physical Review B*, **2007**, 75,	3.3	9
9	Underlying Mechanisms of Hot Carrier-Driven Reactivity on Bimetallic Nanostructures. *Journal of Physical Chemistry C*, **2021**, 125, 2492-2501	3.8	9
8	Surface enhanced resonant Raman scattering in hybrid MoSe@Au nanostructures. *Optics Express*, **2018**, 26, 29411-29423	3.3	8
7	Wavelength and Polarization Dependence of Second-Harmonic Responses from Gold Nanocrescent Arrays. *Journal of Physical Chemistry C*, **2020**, 124, 20424-20435	3.8	7
6	Plasmonic-Induced Luminescence of MoSe2 Monolayers in a Scanning Tunneling Microscope. *ACS Photonics*, **2020**, 7, 3061-3070	6.3	4
5	Enhanced dual plasmonic photocatalysis through plasmonic coupling in eccentric noble metal-nonstoichiometric copper chalcogenide hetero-nanostructures. *Nano Research*,1	10	3
4	Raman-Brillouin electronic density in short-period superlattices. *Physical Review B*, **2010**, 82,	3.3	1
3	Magneto-plasmonic biocompatible nanorice. *Journal of Nanoparticle Research*, **2021**, 23, 1	2.3	1

2	Computational analysis of drug free silver triangular nanoprism theranostic probe plasmonic behavior for in-situ tumor imaging and photothermal therapy. *Journal of Advanced Research*, **2022**,	13	1
1	Detection of the conformational changes of Discosoma red fluorescent proteins adhered on silver nanoparticles-based nanocomposites via surface-enhanced Raman scattering. *Nanotechnology*, **2019**, 30, 165101	3.4	0