

Nicolas Large

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Computational analysis of drug free silver triangular nanoprism theranostic probe plasmonic behavior for in-situ tumor imaging and photothermal therapy. <i>Journal of Advanced Research</i> , 2022 ,	13	1
36	Magneto-plasmonic biocompatible nanorice. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	1
35	Underlying Mechanisms of Hot Carrier-Driven Reactivity on Bimetallic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2492-2501	3.8	9
34	Multiphysics Modeling of Plasmonic Photothermal Heating Effects in Gold Nanoparticles and Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 17172-17182	3.8	21
33	Direct Experimental Evidence of Hot Carrier-Driven Chemical Processes in Tip-Enhanced Raman Spectroscopy (TERS). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2238-2244	3.8	29
32	Wavelength and Polarization Dependence of Second-Harmonic Responses from Gold Nanocrescent Arrays. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20424-20435	3.8	7
31	Plasmonic-Induced Luminescence of MoSe ₂ Monolayers in a Scanning Tunneling Microscope. <i>ACS Photonics</i> , 2020 , 7, 3061-3070	6.3	4
30	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties. <i>ACS Nano</i> , 2019 , 13, 10113-10128	16.7	20
29	Detection of the conformational changes of Discosoma red fluorescent proteins adhered on silver nanoparticles-based nanocomposites via surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2019 , 30, 165101	3.4	0
28	Surface enhanced resonant Raman scattering in hybrid MoSe@Au nanostructures. <i>Optics Express</i> , 2018 , 26, 29411-29423	3.3	8
27	Unraveling the Near- and Far-Field Relationship of 2D Surface-Enhanced Raman Spectroscopy Substrates Using Wavelength-Scan Surface-Enhanced Raman Excitation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 14737-14744	3.8	14
26	Efficient Excitation of Higher Order Modes in the Plasmonic Response of Individual Concave Gold Nanocubes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 731-740	3.8	13
25	High-Resolution Distance Dependence Study of Surface-Enhanced Raman Scattering Enabled by Atomic Layer Deposition. <i>Nano Letters</i> , 2016 , 16, 4251-9	11.5	105
24	Unraveling near-field and far-field relationships for 3D SERS substrates--a combined experimental and theoretical analysis. <i>Analyst, The</i> , 2016 , 141, 1779-88	5	35
23	Influence of Surfactant Bilayers on the Refractive Index Sensitivity and Catalytic Properties of Anisotropic Gold Nanoparticles. <i>Small</i> , 2016 , 12, 330-42	11	59
22	Ag-Ag ₂ S Hybrid Nanoprisms: Structural versus Plasmonic Evolution. <i>ACS Nano</i> , 2016 , 10, 5362-73	16.7	49
21	Reversible Shape and Plasmon Tuning in Hollow AgAu Nanorods. <i>Nano Letters</i> , 2016 , 16, 6939-6945	11.5	18

20	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. <i>ACS Nano</i> , 2015 , 9, 9331-9	16.7	46
19	Electron Energy-Loss Spectroscopy Calculation in Finite-Difference Time-Domain Package. <i>ACS Photonics</i> , 2015 , 2, 369-375	6.3	54
18	Standing wave plasmon modes interact in an antenna-coupled nanowire. <i>Nano Letters</i> , 2015 , 15, 1324-30	11.5	18
17	Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 370-4	6.4	146
16	Epitaxial Growth of Cu ₂ O on Ag Allows for Fine Control Over Particle Geometries and Optical Properties of Ag@Cu ₂ O Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19948-19963	3.8	57
15	Hot-electron-induced dissociation of H ₂ on gold nanoparticles supported on SiO ₂ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 64-7	16.4	375
14	Gold nanoparticles with tipped surface structures as substrates for single-particle surface-enhanced Raman spectroscopy: concave nanocubes, nanotrisoctahedra, and nanostars. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17255-67	9.5	107
13	Tunable plasmonic nanoparticles with catalytically active high-index facets. <i>Nano Letters</i> , 2014 , 14, 3674-82	11.5	131
12	Three-dimensional plasmonic nanoclusters. <i>Nano Letters</i> , 2013 , 13, 4399-403	11.5	148
11	Local electron beam excitation and substrate effect on the plasmonic response of single gold nanostars. <i>Nanotechnology</i> , 2013 , 24, 405704	3.4	26
10	Hot electrons do the impossible: plasmon-induced dissociation of H ₂ on Au. <i>Nano Letters</i> , 2013 , 13, 240-7	11.5	1091
9	Near-field mediated plexcitonic coupling and giant Rabi splitting in individual metallic dimers. <i>Nano Letters</i> , 2013 , 13, 3281-6	11.5	365
8	Orienting nanoantennas in three dimensions to control light scattering across a dielectric interface. <i>Nano Letters</i> , 2013 , 13, 5997-6001	11.5	26
7	Plasmonic properties of gold ring-disk nano-resonators: fine shape details matter. <i>Optics Express</i> , 2011 , 19, 5587-95	3.3	32
6	Raman-Brillouin electronic density in short-period superlattices. <i>Physical Review B</i> , 2010 , 82,	3.3	1
5	Gold nanoring trimers: a versatile structure for infrared sensing. <i>Optics Express</i> , 2010 , 18, 22271-82	3.3	36
4	Photoconductively loaded plasmonic nanoantenna as building block for ultracompact optical switches. <i>Nano Letters</i> , 2010 , 10, 1741-6	11.5	128
3	Acousto-plasmonic hot spots in metallic nano-objects. <i>Nano Letters</i> , 2009 , 9, 3732-8	11.5	32

2	Raman-Brillouin light scattering in low-dimensional systems: Photoelastic model versus quantum model. <i>Physical Review B</i> , 2007 , 75,	33	9
1	Enhanced dual plasmonic photocatalysis through plasmonic coupling in eccentric noble metal-nonstoichiometric copper chalcogenide hetero-nanostructures. <i>Nano Research</i> ,1	10	3