

Nathan C Lindquist

List of Publications by Year in descending order

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34
papers

3,566
citations

331259

21
h-index

433756

31
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35
all docs

35
docs citations

35
times ranked

5141
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasmooth Patterned Metals for Plasmonics and Metamaterials. <i>Science</i> , 2009, 325, 594-597.	6.0	770
2	Recent progress in SERS biosensing. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11551.	1.3	598
3	Engineering metallic nanostructures for plasmonics and nanophotonics. <i>Reports on Progress in Physics</i> , 2012, 75, 036501.	8.1	427
4	Periodic nanohole arrays with shape-enhanced plasmon resonance as real-time biosensors. <i>Applied Physics Letters</i> , 2007, 90, 243110.	1.5	254
5	Template-Stripped Smooth Ag Nanohole Arrays with Silica Shells for Surface Plasmon Resonance Biosensing. <i>ACS Nano</i> , 2011, 5, 6244-6253.	7.3	203
6	Three-Dimensional Plasmonic Nanofocusing. <i>Nano Letters</i> , 2010, 10, 1369-1373.	4.5	167
7	Plasmonic nanocavity arrays for enhanced efficiency in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2008, 93, 123308.	1.5	165
8	Sub-micron resolution surface plasmon resonance imaging enabled by nanohole arrays with surrounding Bragg mirrors for enhanced sensitivity and isolation. <i>Lab on A Chip</i> , 2009, 9, 382-387.	3.1	126
9	High-speed imaging of surface-enhanced Raman scattering fluctuations from individual nanoparticles. <i>Nature Nanotechnology</i> , 2019, 14, 981-987.	15.6	115
10	Plasmonic Nanoholes in a Multichannel Microarray Format for Parallel Kinetic Assays and Differential Sensing. <i>Analytical Chemistry</i> , 2009, 81, 2854-2859.	3.2	112
11	Real-time full-spectral imaging and affinity measurements from 50 microfluidic channels using nanohole surface plasmon resonance. <i>Lab on A Chip</i> , 2012, 12, 3882.	3.1	74
12	Monolithic Integration of Continuously Tunable Plasmonic Nanostructures. <i>Nano Letters</i> , 2011, 11, 3526-3530.	4.5	59
13	Holographic Plasmonic Nanotweezers for Dynamic Trapping and Manipulation. <i>Nano Letters</i> , 2017, 17, 7920-7925.	4.5	56
14	Split-Wedge Antennas with Sub-5 nm Gaps for Plasmonic Nanofocusing. <i>Nano Letters</i> , 2016, 16, 7849-7856.	4.5	54
15	Dynamic Placement of Plasmonic Hotspots for Super-resolution Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2014, 8, 10941-10946.	7.3	45
16	Plasmonic nanofocusing with a metallic pyramid and an integrated C-shaped aperture. <i>Scientific Reports</i> , 2013, 3, 1857.	1.6	43
17	Super-Resolution Chemical Imaging with Plasmonic Substrates. <i>ACS Photonics</i> , 2016, 3, 329-336.	3.2	43
18	Ultrasmooth metallic films with buried nanostructures for backside reflection-mode plasmonic biosensing. <i>Annalen Der Physik</i> , 2012, 524, 687-696.	0.9	40

#	ARTICLE	IF	CITATIONS
19	Tip-based plasmonics: squeezing light with metallic nanoprobcs. <i>Laser and Photonics Reviews</i> , 2013, 7, 453-477.	4.4	39
20	Chemically imaging bacteria with super-resolution SERS on ultra-thin silver substrates. <i>Scientific Reports</i> , 2017, 7, 9135.	1.6	37
21	Dynamic Imaging of Multiple SERS Hotspots on Single Nanoparticles. <i>ACS Photonics</i> , 2020, 7, 434-443.	3.2	24
22	Lateral confinement of surface plasmons and polarization-dependent optical transmission using nanohole arrays with a surrounding rectangular Bragg resonator. <i>Applied Physics Letters</i> , 2007, 91, 253105.	1.5	20
23	Direct spectral imaging of plasmonic nanohole arrays for real-time sensing. <i>Nanotechnology</i> , 2016, 27, 184001.	1.3	19
24	Digital plasmonic holography. <i>Light: Science and Applications</i> , 2018, 7, 52.	7.7	17
25	Nano-Optical Tweezers: Methods and Applications for Trapping Single Molecules and Nanoparticles. <i>ChemPhysChem</i> , 2021, 22, 1409-1420.	1.0	12
26	Ultra-High-Speed Dynamics in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7523-7532.	1.5	11
27	Effect of Nanohole Spacing on the Self-Imaging Phenomenon Created by the Three-Dimensional Propagation of Light through Periodic Nanohole Arrays. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19958-19967.	1.5	9
28	High-Speed Fluctuations in Surface-Enhanced Raman Scattering Intensities from Various Nanostructures. <i>Applied Spectroscopy</i> , 2020, 74, 1398-1406.	1.2	9
29	Template fabricated plasmonic nanoholes on analyte-sensitive substrates for real-time vapor sensing. <i>RSC Advances</i> , 2014, 4, 15115-15121.	1.7	8
30	Single-Molecule SERS Hotspot Dynamics in Both Dry and Aqueous Environments. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7117-7126.	1.5	8
31	Nano-Optical Tweezers: Methods and Applications for Trapping Single Molecules and Nanoparticles. <i>ChemPhysChem</i> , 2021, 22, 1408-1408.	1.0	2
32	Plasmonic nanocavity arrays for enhanced efficiency in organic photovoltaic cells. , 2008, , .		0
33	Digital plasmonic holography with iterative phase retrieval for sensing. <i>Optics Express</i> , 2021, 29, 3026.	1.7	0
34	Real-Time Sensing with Patterned Plasmonic Substrates and a Compact Imager Chip. <i>Methods in Molecular Biology</i> , 2019, 2027, 87-100.	0.4	0