Danqing Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

		331670	642732
23	1,824	21	23
papers	citations	h-index	g-index

23	23	23	2443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roadmap on plasmonics. Journal of Optics (United Kingdom), 2018, 20, 043001.	2.2	240
2	Band-edge engineering for controlled multi-modal nanolasing in plasmonic superlattices. Nature Nanotechnology, 2017, 12, 889-894.	31.5	167
3	Deterministic Coupling of Quantum Emitters in 2D Materials to Plasmonic Nanocavity Arrays. Nano Letters, 2017, 17, 2634-2639.	9.1	163
4	Ultralow-threshold, continuous-wave upconverting lasing from subwavelength plasmons. Nature Materials, 2019, 18, 1172-1176.	27.5	160
5	Structural Engineering in Plasmon Nanolasers. Chemical Reviews, 2018, 118, 2865-2881.	47.7	130
6	Plasmonic Surface Lattice Resonances: Theory and Computation. Accounts of Chemical Research, 2019, 52, 2548-2558.	15.6	119
7	Stretchable Nanolasing from Hybrid Quadrupole Plasmons. Nano Letters, 2018, 18, 4549-4555.	9.1	102
8	Superlattice Plasmons in Hierarchical Au Nanoparticle Arrays. ACS Photonics, 2015, 2, 1789-1794.	6.6	80
9	Manipulating Lightâ€“Matter Interactions in Plasmonic Nanoparticle Lattices. Accounts of Chemical Research, 2019, 52, 2997-3007.	15.6	76
10	Second Harmonic Spectroscopy of Surface Lattice Resonances. Nano Letters, 2019, 19, 165-172.	9.1	73
11	Flat Bands in Magic-Angle Bilayer Photonic Crystals at Small Twists. Physical Review Letters, 2021, 126, 223601.	7.8	69
12	Quantum Dot-Plasmon Lasing with Controlled Polarization Patterns. ACS Nano, 2020, 14, 3426-3433.	14.6	66
13	Lattice-Resonance Metalenses for Fully Reconfigurable Imaging. ACS Nano, 2019, 13, 4613-4620.	14.6	55
14	Engineering Directionality in Quantum Dot Shell Lasing Using Plasmonic Lattices. Nano Letters, 2020, 20, 1468-1474.	9.1	48
15	Hierarchical Hybridization in Plasmonic Honeycomb Lattices. Nano Letters, 2019, 19, 6435-6441.	9.1	47
16	Polarization-Dependent Lasing Behavior from Low-Symmetry Nanocavity Arrays. ACS Nano, 2019, 13, 7435-7441.	14.6	45
17	Lasing from Finite Plasmonic Nanoparticle Lattices. ACS Photonics, 2020, 7, 630-636.	6.6	37
18	Engineering Symmetryâ€Breaking Nanocrescent Arrays for Nanolasing. Advanced Functional Materials, 2019, 29, 1904157.	14.9	34

#	Article	IF	Citations
19	Coherent Light Sources at the Nanoscale. Annual Review of Physical Chemistry, 2017, 68, 83-99.	10.8	31
20	Plasmon nanolasing with aluminum nanoparticle arrays [Invited]. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E104.	2.1	28
21	Spatially defined molecular emitters coupled to plasmonic nanoparticle arrays. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5925-5930.	7.1	24
22	Enhanced Fields in Mirror-Backed Low-Index Dielectric Structures. ACS Photonics, 2019, 6, 2612-2617.	6.6	17
23	Model for describing plasmonic nanolasers using Maxwell-Liouville equations with finite-difference time-domain calculations. Physical Review A, 2017, 96, .	2.5	13