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List of Publications by Year
in descending order

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34 papers	3,072 citations	361413 20 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	5337 citing authors

#	Article	IF	Citations
1	Thermochromic halide perovskite solar cells. Nature Materials, 2018, 17, 261-267.	27.5	630
2	Hyperlenses and metalenses for far-field super-resolution imaging. Nature Communications, 2012, 3, 1205.	12.8	468
3	Enhancing spontaneous emission rates of molecules using nanopatterned multilayer hyperbolic metamaterials. Nature Nanotechnology, 2014, 9, 48-53.	31.5	428
4	Bacteria photosensitized by intracellular gold nanoclusters for solar fuel production. Nature Nanotechnology, 2018, 13, 900-905.	31.5	362
5	Intrinsic anion diffusivity in lead halide perovskites is facilitated by a soft lattice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11929-11934.	7.1	153
6	Wide Field Super-Resolution Surface Imaging through Plasmonic Structured Illumination Microscopy. Nano Letters, 2014, 14, 4634-4639.	9.1	130
7	High performance multi-scaled nanostructured spectrally selective coating for concentrating solar power. Nano Energy, 2014, 8, 238-246.	16.0	110
8	Efficient light generation from enhanced inelastic electron tunnelling. Nature Photonics, 2018, 12, 485-488.	31.4	100
9	Structural and spectral dynamics of single-crystalline Ruddlesden-Popper phase halide perovskite blue light-emitting diodes. Science Advances, 2020, 6, eaay4045.	10.3	88
10	Quantitative imaging of anion exchange kinetics in halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12648-12653.	7.1	84
11	Ultralow Thermal Conductivity of Multilayers with Highly Dissimilar Debye Temperatures. Nano Letters, 2014, 14, 2448-2455.	9.1	77
12	Enhanced spontaneous emission inside hyperbolic metamaterials. Optics Express, 2014, 22, 4301.	3.4	76
13	Giant Light-Emission Enhancement in Lead Halide Perovskites by Surface Oxygen Passivation. Nano Letters, 2018, 18, 6967-6973.	9.1	59
14	Self-Assembly of Two-Dimensional Perovskite Nanosheet Building Blocks into Ordered Ruddlesdenâ€“Popper Perovskite Phase. Journal of the American Chemical Society, 2019, 141, 13028-13032.	13.7	59
15	Electrical and Optical Tunability in All-Inorganic Halide Perovskite Alloy Nanowires. Nano Letters, 2018, 18, 3538-3542.	9.1	51
16	Nanostructuring Multilayer Hyperbolic Metamaterials for Ultrafast and Bright Green InGaN Quantum Wells. Advanced Materials, 2018, 30, e1706411.	21.0	49
17	Tunable surface plasmon polaritons in Ag composite films by adding dielectrics or semiconductors. Applied Physics Letters, 2011, 98, 243114.	3.3	26
18	Lead halide perovskite nanowires stabilized by block copolymers for Langmuir-Blodgett assembly. Nano Research, 2020, 13, 1453-1458.	10.4	26

#	Article	IF	Citations
19	Creation of a magnetic plasmon polariton through strong coupling between an artificial magnetic atom and the defect state in a defective multilayer microcavity. Physical Review B, 2008, 77, .	3.2	22
20	Design and Analysis of Blue InGaN/GaN Plasmonic LED for High-Speed, High-Efficiency Optical Communications. ACS Photonics, 2018, 5, 3557-3564.	6.6	22
21	Anomalously Weak Scattering in Metal-Semiconductor Multilayer Hyperbolic Metamaterials. Physical Review X, 2015, 5, .	8.9	21
22	Three-dimensional ZnO/Si broom-like nanowire heterostructures as photoelectrochemical anodes for solar energy conversion. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2561-2568.	1.8	9
23	Dynamics of mesoscopic fluctuations of localized waves. Physical Review B, 2010, 81, .	3.2	8
24	Highly stretchable, printable nanowire array optical polarizers. Nanoscale, 2016, 8, 15850-15856.	5.6	7
25	Optimization of Nanopatterned Multilayer Hyperbolic Metamaterials for Spontaneous Light Emission Enhancement. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800263.	1.8	6
26	Three-dimensional nanoscale imaging by plasmonic Brownian microscopy. Nanophotonics, 2017, 7, 489-495.	6.0	1
27	Strongly Enhanced Fluorescence Decay Rates on Multilayered Plasmonic Metamaterials. , 2012, , .		0
28	Enhanced spontaneous emission from the inside of a multilayer hyperbolic metamaterial (presentation) Tj ETQq0 0 0 rgBT /Overlock 10		0
29	Localized surface plasmon assisted contrast microscopy for ultrathin transparent specimens. Applied Physics Letters, 2014, 105, 163102.	3.3	0
30	Nanopatterned Multilayer Hyperbolic Metamaterials for Enhancing Spontaneous Light Emission. , 2014, , .		0
31	Enhanced spontaneous emission by embedding light emitters inside hyperbolic metamaterials. , 2014, , .		0
32	Light emission enhancement by using patterned multilayer hyperbolic metamaterials. , 2015, , .		0
33	External occulter edge scattering control using metamaterials for exoplanet detection. Proceedings of SPIE, 2015, , .	0.8	0
34	Resolving Carrier Dynamics in Metal Halide Perovskites to Elucidate Structural Transformation Mechanisms and the Impact of Structural Heterogeneity on Transport. , 0, , .		0