

Renwen Yu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,337
citations

361413

20
h-index

526287

27
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29
all docs

29
docs citations

29
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Flashing light with nanophotonics. <i>Science</i> , 2022, 375, 822-823.	12.6	4
2	Active control of micrometer plasmon propagation in suspended graphene. <i>Nature Communications</i> , 2022, 13, 1465.	12.8	31
3	Tunable Planar Focusing Based on Hyperbolic Phonon Polaritons in In_2Te_3 . <i>Advanced Materials</i> , 2022, 34, e2105590.	21.0	32
4	Optothermal generation and manipulation of plasmons in atomically thin films. , 2021, , .		0
5	Inelastic Scattering of Electron Beams by Nonreciprocal Nanostructures. <i>Physical Review Letters</i> , 2021, 127, 157404.	7.8	2
6	Chemical identification through two-dimensional electron energy-loss spectroscopy. <i>Science Advances</i> , 2020, 6, eabb4713.	10.3	2
7	Ultrafast Topological Engineering in Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 037403.	7.8	16
8	Thermal manipulation of plasmons in atomically thin films. <i>Light: Science and Applications</i> , 2020, 9, 87.	16.6	35
9	Room Temperature Graphene Mid-Infrared Bolometer with a Broad Operational Wavelength Range. <i>ACS Photonics</i> , 2020, 7, 1206-1215.	6.6	41
10	Optothermal Generation and Manipulation of Plasmons. , 2020, , .		0
11	Tracking ultrafast hot-electron diffusion in space and time by ultrafast thermomodulation microscopy. <i>Science Advances</i> , 2019, 5, eaav8965.	10.3	111
12	Tunable plasmons in ultrathin metal films. <i>Nature Photonics</i> , 2019, 13, 328-333.	31.4	181
13	Enhancement of Nonlinear Optical Phenomena by Localized Resonances. <i>ACS Photonics</i> , 2018, 5, 1521-1527.	6.6	12
14	Continuous-wave multiphoton photoemission from plasmonic nanostars. <i>Communications Physics</i> , 2018, 1, .	5.3	37
15	Photothermal Engineering of Graphene Plasmons. <i>Physical Review Letters</i> , 2018, 121, 057404.	7.8	22
16	Efficient electrical detection of mid-infrared graphene plasmons at room temperature. <i>Nature Materials</i> , 2018, 17, 986-992.	27.5	119
17	Hybrid plasmonic nanoresonators as efficient solar heat shields. <i>Nano Energy</i> , 2017, 37, 118-125.	16.0	30
18	Ultrafast radiative heat transfer. <i>Nature Communications</i> , 2017, 8, 2.	12.8	108

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19	Universal analytical modeling of plasmonic nanoparticles. <i>Chemical Society Reviews</i> , 2017, 46, 6710-6724.	38.1	137
20	Plasmonic Nano-Oven by Concatenation of Multishell Photothermal Enhancement. <i>ACS Nano</i> , 2017, 11, 7915-7924.	14.6	32
21	Analytical Modeling of Graphene Plasmons. <i>ACS Photonics</i> , 2017, 4, 3106-3114.	6.6	54
22	Analytical description of the nonlinear plasmonic response in nanographene. <i>Physical Review B</i> , 2017, 96, .	3.2	21
23	Structural Coloring of Glass Using Dewetted Nanoparticles and Ultrathin Films of Metals. <i>ACS Photonics</i> , 2016, 3, 1194-1201.	6.6	67
24	Electrical Detection of Single Graphene Plasmons. <i>ACS Nano</i> , 2016, 10, 8045-8053.	14.6	17
25	Nonlinear Plasmonic Sensing with Nanographene. <i>Physical Review Letters</i> , 2016, 117, 123904.	7.8	60
26	Active modulation of visible light with graphene-loaded ultrathin metal plasmonic antennas. <i>Scientific Reports</i> , 2016, 6, 32144.	3.3	42
27	Resonant Visible Light Modulation with Graphene. <i>ACS Photonics</i> , 2015, 2, 550-558.	6.6	71
28	Manipulating the interaction between localized and delocalized surface plasmon-polaritons in graphene. <i>Physical Review B</i> , 2014, 90, .	3.2	49