Renwen Yu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7037800/publications.pdf

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28	1,337	361413	526287
papers	citations	20 h-index	27 g-index

29	29	29	2285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable plasmons in ultrathin metal films. Nature Photonics, 2019, 13, 328-333.	31.4	181
2	Universal analytical modeling of plasmonic nanoparticles. Chemical Society Reviews, 2017, 46, 6710-6724.	38.1	137
3	Efficient electrical detection of mid-infrared graphene plasmons at room temperature. Nature Materials, 2018, 17, 986-992.	27.5	119
4	Tracking ultrafast hot-electron diffusion in space and time by ultrafast thermomodulation microscopy. Science Advances, 2019, 5, eaav8965.	10.3	111
5	Ultrafast radiative heat transfer. Nature Communications, 2017, 8, 2.	12.8	108
6	Resonant Visible Light Modulation with Graphene. ACS Photonics, 2015, 2, 550-558.	6.6	71
7	Structural Coloring of Glass Using Dewetted Nanoparticles and Ultrathin Films of Metals. ACS Photonics, 2016, 3, 1194-1201.	6.6	67
8	Nonlinear Plasmonic Sensing with Nanographene. Physical Review Letters, 2016, 117, 123904.	7.8	60
9	Analytical Modeling of Graphene Plasmons. ACS Photonics, 2017, 4, 3106-3114.	6.6	54
10	Manipulating the interaction between localized and delocalized surface plasmon-polaritons in graphene. Physical Review B, 2014, 90, .	3.2	49
11	Active modulation of visible light with graphene-loaded ultrathin metal plasmonic antennas. Scientific Reports, 2016, 6, 32144.	3.3	42
12	Room Temperature Graphene Mid-Infrared Bolometer with a Broad Operational Wavelength Range. ACS Photonics, 2020, 7, 1206-1215.	6.6	41
13	Continuous-wave multiphoton photoemission from plasmonic nanostars. Communications Physics, 2018, 1, .	5.3	37
14	Thermal manipulation of plasmons in atomically thin films. Light: Science and Applications, 2020, 9, 87.	16.6	35
15	Plasmonic Nano-Oven by Concatenation of Multishell Photothermal Enhancement. ACS Nano, 2017, 11, 7915-7924.	14.6	32
16	Tunable Planar Focusing Based on Hyperbolic Phonon Polaritons in Î±â€MoO₃. Advanced Materials, 2022, 34, e2105590.	21.0	32
17	Active control of micrometer plasmon propagation in suspended graphene. Nature Communications, 2022, 13, 1465.	12.8	31
18	Hybrid plasmonic nanoresonators as efficient solar heat shields. Nano Energy, 2017, 37, 118-125.	16.0	30

#	Article	IF	Citations
19	Photothermal Engineering of Graphene Plasmons. Physical Review Letters, 2018, 121, 057404.	7.8	22
20	Analytical description of the nonlinear plasmonic response in nanographene. Physical Review B, 2017, 96, .	3.2	21
21	Electrical Detection of Single Graphene Plasmons. ACS Nano, 2016, 10, 8045-8053.	14.6	17
22	Ultrafast Topological Engineering in Metamaterials. Physical Review Letters, 2020, 125, 037403.	7.8	16
23	Enhancement of Nonlinear Optical Phenomena by Localized Resonances. ACS Photonics, 2018, 5, 1521-1527.	6.6	12
24	Flashing light with nanophotonics. Science, 2022, 375, 822-823.	12.6	4
25	Chemical identification through two-dimensional electron energy-loss spectroscopy. Science Advances, 2020, 6, eabb4713.	10.3	2
26	Inelastic Scattering of Electron Beams by Nonreciprocal Nanotructures. Physical Review Letters, 2021, 127, 157404.	7.8	2
27	Optothermal generation and manipulation of plasmons in in atomically thin films. , 2021, , .		0
28	Optothermal Generation and Manipulation of Plasmons. , 2020, , .		0