

Sāren Raza

List of Publications by Year in descending order

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38
papers

2,645
citations

361413

20
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

2500
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling Cathodoluminescence Spectra in Nanophotonics: Particle Eigenmodes vs Transition Radiation. <i>Nano Letters</i> , 2022, 22, 2320-2327.	9.1	7
2	Computational Discovery and Experimental Demonstration of Boron Phosphide Ultraviolet Nanoresonators. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
3	Plasmon Launching and Scattering by Silicon Nanoparticles. <i>ACS Photonics</i> , 2021, 8, 1582-1591.	6.6	15
4	Nanoelectromechanical modulation of a strongly-coupled plasmonic dimer. <i>Nature Communications</i> , 2021, 12, 48.	12.8	19
5	Raman scattering in high-refractive-index nanostructures. <i>Nanophotonics</i> , 2021, 10, 1197-1209.	6.0	14
6	Thermal near-field tuning of silicon Mie nanoparticles. <i>Nanophotonics</i> , 2021, 10, 4161-4169.	6.0	11
7	Importance of substrates for the visibility of "dark" plasmonic modes. <i>Optics Express</i> , 2020, 28, 13938.	3.4	8
8	Slow light using magnetic and electric Mie resonances. <i>Optics Letters</i> , 2020, 45, 1260.	3.3	8
9	Antireflection High-Index Metasurfaces Combining Mie and Fabry-PÃ©rot Resonances. <i>ACS Photonics</i> , 2019, 6, 453-459.	6.6	51
10	Probing optical resonances of silicon nanostructures using tunable-excitation Raman spectroscopy. <i>Optics Express</i> , 2019, 27, 38479.	3.4	6
11	Silicon Mie resonators for highly directional light emission from monolayer MoS ₂ . <i>Nature Photonics</i> , 2018, 12, 284-290.	31.4	160
12	Thermoplasmonic Ignition of Metal Nanoparticles. <i>Nano Letters</i> , 2018, 18, 1699-1706.	9.1	28
13	Digital resonant laser printing: Bridging nanophotonic science and consumer products. <i>Nano Today</i> , 2018, 19, 7-10.	11.9	14
14	DNA-Assembled Plasmonic Waveguides for Nanoscale Light Propagation to a Fluorescent Nanodiamond. <i>Nano Letters</i> , 2018, 18, 7323-7329.	9.1	58
15	Resonant laser printing of bi-material metasurfaces: from plasmonic to photonic optical response. <i>Optics Express</i> , 2018, 26, 20203.	3.4	4
16	Broadband infrared absorption enhancement by electroless-deposited silver nanoparticles. <i>Nanophotonics</i> , 2017, 6, 289-297.	6.0	6
17	Purcell effect for active tuning of light scattering from semiconductor optical antennas. <i>Science</i> , 2017, 358, 1407-1410.	12.6	97
18	Electron energy-loss spectroscopy of branched gap plasmon resonators. <i>Nature Communications</i> , 2016, 7, 13790.	12.8	23

#	ARTICLE	IF	CITATIONS
19	Interplay of nonlocal response, damping, and low group velocity in surface-plasmon polaritons. Proceedings of SPIE, 2016, , .	0.8	0
20	Nonlocal optical response in metallic nanostructures. Journal of Physics Condensed Matter, 2015, 27, 183204.	1.8	295
21	Nonlocal study of ultimate plasmon hybridization. Optics Letters, 2015, 40, 839.	3.3	45
22	Slow-light plasmonic metamaterial based on dressed-state analog of electromagnetically induced transparency. Optics Letters, 2015, 40, 4253.	3.3	17
23	Multipole plasmons and their disappearance in few-nanometre silver nanoparticles. Nature Communications, 2015, 6, 8788.	12.8	139
24	Nonlocal Response of Metallic Nanospheres Probed by Light, Electrons, and Atoms. ACS Nano, 2014, 8, 1745-1758.	14.6	145
25	A generalized non-local optical response theory for plasmonic nanostructures. Nature Communications, 2014, 5, 3809.	12.8	421
26	Extremely confined gap surface-plasmon modes excited by electrons. Nature Communications, 2014, 5, 4125.	12.8	72
27	Refractive-Index Sensing with Ultrathin Plasmonic Nanotubes. Plasmonics, 2013, 8, 193-199.	3.4	67
28	Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity. Physical Review B, 2013, 88, .	3.2	71
29	Blueshift of the surface plasmon resonance in silver nanoparticles: substrate effects. Optics Express, 2013, 21, 27344.	3.4	70
30	Nonlocal response in plasmonic waveguiding with extreme light confinement. Nanophotonics, 2013, 2, 161-166.	6.0	63
31	Blueshift of the surface plasmon resonance in silver nanoparticles studied with EELS. Nanophotonics, 2013, 2, 131-138.	6.0	178
32	Surface-enhanced Raman spectroscopy: nonlocal limitations. Optics Letters, 2012, 37, 2538.	3.3	48
33	Nanoplasmonics beyond Ohm's law. , 2012, , .		4
34	Modified field enhancement and extinction by plasmonic nanowire dimers due to nonlocal response. Optics Express, 2012, 20, 4176.	3.4	239
35	Are there novel resonances in nanoplasmonic structures due to nonlocal response?. Proceedings of SPIE, 2012, , .	0.8	0
36	Coupled-resonator optical waveguides: Q-factor and disorder influence. Optical and Quantum Electronics, 2011, 42, 511-519.	3.3	12

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37	Unusual resonances in nanoplasmonic structures due to nonlocal response. Physical Review B, 2011, 84, .	3.2	221
38	Coupled-resonator optical waveguides: Q-factor influence on slow-light propagation and the maximal group delay. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	5