Prasad P Iyer

List of Publications by Year
in descending order

21 papers	643 citations	687363 13 h-index	1058476 14 g-index
22 all docs	22 docs citations	22 times ranked	912 citing authors

#	Article	IF	Citations
1	Light-emitting metalenses and meta-axicons for focusing and beaming of spontaneous emission. Nature Communications, 2021, 12, 3591.	12.8	31
2	Unidirectional luminescence from InGaN/GaN quantum-well metasurfaces. Nature Photonics, 2020, 14, 543-548.	31.4	64
3	Widely Tunable Optical and Thermal Properties of Dirac Semimetal Cd₃As₂. Advanced Optical Materials, 2020, 8, 1901192.	7.3	27
4	Gate-tunable metafilm absorber based on indium silicon oxide. Nanophotonics, 2019, 8, 1803-1810.	6.0	9
5	IIIâ€“V Heterojunction Platform for Electrically Reconfigurable Dielectric Metasurfaces. ACS Photonics, 2019, 6, 1345-1350.	6.6	25
6	Thermally Reconfigurable Meta-Optics. IEEE Photonics Journal, 2019, 11, 1-16.	2.0	13
7	Topological Dirac semi-metals: a dynamic platform for tunable optical metasurfaces (Conference) Tj ETQq1 1 0.784314 rgBT /Overloc 0		
8	Reconfigurable semiconductor Mie-resonant meta-optics. , 2019, , .		2
9	Uniform Thermo-Optic Tunability of Dielectric Metalenses. Physical Review Applied, 2018, 10, .	3.8	34
10	Broadband Electrically Tunable Dielectric Resonators Using Metalâ€“Insulator Transitions. ACS Photonics, 2018, 5, 4056-4060.	6.6	54
11	Electrically Switchable Infrared Nanophotonic Devices with VO<inf>2</inf>. , 2018, , .		0
12	Ultrawide thermal free-carrier tuning of dielectric antennas coupled to epsilon-near-zero substrates. Nature Communications, 2017, 8, 472.	12.8	57
13	Reconfigurable Mie resonators embedded in a tunable ENZ cavity (Conference Presentation). , 2017, , .		0
14	Electrically Reconfigurable Metasurfaces Using Heterojunction Resonators. Advanced Optical Materials, 2016, 4, 1582-1588.	7.3	62
15	Widely tunable infrared semiconductor Mie resonators (Conference Presentation). , 2016, , .		0
16	Beam engineering for selective and enhanced coupling to multipolar resonances. Physical Review B, 2015, 92, .	3.2	64
17	Reconfigurable Semiconductor Phased-Array Metasurfaces. ACS Photonics, 2015, 2, 1077-1084.	6.6	93
18	Properties of infrared doped semiconductor Mie resonators (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0

#	Article	IF	Citations
19	Dynamically reconfigurable metasurfaces (Presentation Recording). , 2015, , .		0
20	Widely Tunable Infrared Antennas Using Free Carrier Refraction. Nano Letters, 2015, 15, 8188-8193.	9.1	82
21	A brief review of Badgerâ€“Bauer rule and its validation from a first-principles approach. Modern Physics Letters B, 2014, 28, 1430014.	1.9	26