

Prasad P Iyer

List of Publications by Year in descending order

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Version: 2024-02-01

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	Reconfigurable Semiconductor Phased-Array Metasurfaces. ACS Photonics, 2015, 2, 1077-1084.	6.6	93
2	Widely Tunable Infrared Antennas Using Free Carrier Refraction. Nano Letters, 2015, 15, 8188-8193.	9.1	82
3	Beam engineering for selective and enhanced coupling to multipolar resonances. Physical Review B, 2015, 92, .	3.2	64
4	Unidirectional luminescence from InGaN/GaN quantum-well metasurfaces. Nature Photonics, 2020, 14, 543-548.	31.4	64
5	Electrically Reconfigurable Metasurfaces Using Heterojunction Resonators. Advanced Optical Materials, 2016, 4, 1582-1588.	7.3	62
6	Ultrawide thermal free-carrier tuning of dielectric antennas coupled to epsilon-near-zero substrates. Nature Communications, 2017, 8, 472.	12.8	57
7	Broadband Electrically Tunable Dielectric Resonators Using Metal-Insulator Transitions. ACS Photonics, 2018, 5, 4056-4060.	6.6	54
8	Uniform Thermo-Optic Tunability of Dielectric Metalenses. Physical Review Applied, 2018, 10, .	3.8	34
9	Light-emitting metalenses and meta-axicons for focusing and beaming of spontaneous emission. Nature Communications, 2021, 12, 3591.	12.8	31
10	Widely Tunable Optical and Thermal Properties of Dirac Semimetal Cd ₃ As ₂ . Advanced Optical Materials, 2020, 8, 1901192.	7.3	27
11	A brief review of Badger-Bauer rule and its validation from a first-principles approach. Modern Physics Letters B, 2014, 28, 1430014.	1.9	26
12	III-V Heterojunction Platform for Electrically Reconfigurable Dielectric Metasurfaces. ACS Photonics, 2019, 6, 1345-1350.	6.6	25
13	Thermally Reconfigurable Meta-Optics. IEEE Photonics Journal, 2019, 11, 1-16.	2.0	13
14	Gate-tunable metafilm absorber based on indium silicon oxide. Nanophotonics, 2019, 8, 1803-1810.	6.0	9
15	Reconfigurable semiconductor Mie-resonant meta-optics. , 2019, , .		2
16	Properties of infrared doped semiconductor Mie resonators (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
17	Dynamically reconfigurable metasurfaces (Presentation Recording). , 2015, , .		0
18	Widely tunable infrared semiconductor Mie resonators (Conference Presentation). , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Electrically Switchable Infrared Nanophotonic Devices with VO ₂ , 2018, , .		0
20	Reconfigurable Mie resonators embedded in a tunable ENZ cavity (Conference Presentation)., 2017, , .		0
21	Topological Dirac semi-metals: a dynamic platform for tunable optical metasurfaces (Conference) Tj ETQq1 1 0.784314 rgBT /Overloc		