Harish N S Krishnamoorthy

List of Publications by Year
in descending order

35 papers	1,781 citations	567281 15 h-index	940533 16 g-index
35 all docs	35 docs citations	35 times ranked	2705 citing authors

#	Article	IF	Citations
1	Topological Transitions in Metamaterials. Science, 2012, 336, 205-209.	12.6	734
2	Roadmap on plasmonics. Journal of Optics (United Kingdom), 2018, 20, 043001.	2.2	240
3	Active hyperbolic metamaterials: enhanced spontaneous emission and light extraction. Optica, 2015, 2, 62.	9.3	130
4	Organometallic Perovskite Metasurfaces. Advanced Materials, 2017, 29, 1604268.	21.0	118
5	A Superconducting Dualâ€Channel Photonic Switch. Advanced Materials, 2018, 30, e1801257.	21.0	86
6	Plasmonics of topological insulators at optical frequencies. NPG Asia Materials, 2017, 9, e425-e425.	7.9	65
7	Ultra-confined surface phonon polaritons in molecular layers of van der Waals dielectrics. Nature Communications, 2018, 9, 1762.	12.8	59
8	Accessing the Highâ€Q Dark Plasmonic Fano Resonances in Superconductor Metasurfaces. Advanced Optical Materials, 2016, 4, 1875-1881.	7.3	58
9	Perovskite metasurfaces with large superstructural chirality. Nature Communications, 2022, 13, 1551.	12.8	51
10	Tunable hyperbolic metamaterials utilizing phase change heterostructures. Applied Physics Letters, 2014, 104, .	3.3	50
11	Infrared dielectric metamaterials from high refractive index chalcogenides. Nature Communications, 2020, 11, 1692.	12.8	45
12	Engineering the Emission of Broadband 2D Perovskites by Polymer Distributed Bragg Reflectors. ACS Photonics, 2018, 5, 867-874.	6.6	38
13	Bidirectional reconfiguration and thermal tuning of microcantilever metamaterial device operating from 77â€‰K to 400â€‰K. Applied Physics Letters, 2017, 111, .	3.3	30
14	Metamaterial Enhancement of Metal-Halide Perovskite Luminescence. Nano Letters, 2020, 20, 7906-7911.	9.1	23
15	Topological insulator metamaterial with giant circular photogalvanic effect. Science Advances, 2021, 7, .	10.3	23
16	A Nonâ€Volatile Chalcogenide Switchable Hyperbolic Metamaterial. Advanced Optical Materials, 2018, 6, 1800332.	7.3	16
17	Metamaterial Based Broadband Engineering of Quantum Dot Spontaneous Emission. , 2010, , .		3
18	Topological Transitions in Metamaterials. , 2012, , .		3

#	Article	IF	Citations
19	All-dielectric Halide Perovskite Metasurfaces with Giant Chirality. , 2021, , .		2
20	Reconfigurable hyperbolic metamaterial with negative refraction. , 2016, , .		2
21	Phase Change Perovskite Metasurfaces. , 2020, , .		2
22	Photoluminescence modification in self-assembled fluorescent 3D photonic crystals. , 2010, , .		1
23	Tunable hyperbolic metamaterials using metal-insulator transition in VO2. , 2014, , .		1
24	Plasmonic properties of superconducting niobium in the optical part of the spectrum. , 2017, , .		1
25	Photoluminescence Modification in Self-Assembled Fluorescent 3D Photonic Crystals. , 2009, , .		0
26	Broadband Engineering of Quantum Dot Spontaneous Emission Using Flat Dispersion Metamaterial. , 2011, , .		0
27	Spontaneous emission enhancement using hyperbolic metamaterials. , 2011, , .		0
28	Optical topological transition in metamaterials: QED and related effects. , 2013, , .		0
29	Simultaneous enhancement of decay rate and light extraction from active hyperbolic metamaterial. , 2015, , .		0
30	One-Way Topological Transitions in Magnetoplasmonic Hyperbolic Metamaterials. , 2015, , .		0
31	Nanopatterning-enhanced perovskite luminophores. , 2017, , .		0
32	Ultra confined polaritons in atomically layered dielectrics. , 2017, , .		0
33	Broadband QED using Hyperbolic Metamaterials. , 2013, , .		0
34	Topological Transitions in Metamaterials: QED and Related Effects. , 2013, , .		0
35	Perovskite Metamaterials. , 2016, , .		0