

Seyyed Ali Hassani Gangaraj

List of Publications by Year in descending order

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31
papers

730
citations

471371
17
h-index

526166
27
g-index

31
all docs

31
docs citations

31
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Chern invariants of topological continua: A self-consistent nonlocal hydrodynamic model. Physical Review B, 2022, 105, .	1.1	8
2	Drifting Electrons: Nonreciprocal Plasmonics and Thermal Photonics. ACS Photonics, 2022, 9, 806-819.	3.2	12
3	Exchange splitting and exchange-induced nonreciprocal photonic behavior of graphene in CrI_3 graphene van der Waals heterostructures. Physical Review B, 2020, 102, .	1.1	9
4	Broadband Field Enhancement and Giant Nonlinear Effects in Terminated Unidirectional Plasmonic Waveguides. Physical Review Applied, 2020, 14, .	1.5	16
5	Non-Reciprocal, Robust Surface Plasmon Polaritons on Gyrotropic Interfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 3718-3729.	3.1	24
6	Physical Violations of the Bulk-Edge Correspondence in Topological Electromagnetics. Physical Review Letters, 2020, 124, 153901.	2.9	30
7	Topological scattering resonances at ultralow frequencies. Physical Review Research, 2020, 2, .	1.3	16
8	Topologically protected broadband rerouting of propagating waves around complex objects. Nanophotonics, 2019, 8, 1371-1378.	2.9	9
9	Unidirectional and diffractionless surface plasmon polaritons on three-dimensional nonreciprocal plasmonic platforms. Physical Review B, 2019, 99, .	1.1	41
10	Non-Markovian transient Casimir-Polder force and population dynamics on excited- and ground-state atoms: Weak- and strong-coupling regimes in generally nonreciprocal environments. Physical Review A, 2019, 99, .	1.0	2
11	Manipulating Surface Waves and Nanoscale Forces/Torques with Nonreciprocal Platforms. , 2019, , .		0
12	Do truly unidirectional surface plasmon-polaritons exist?. Optica, 2019, 6, 1158.	4.8	53
13	Fluctuation-induced forces on an atom near a photonic topological material. Physical Review A, 2018, 97, .	1.0	49
14	Topologically-protected one-way leaky waves in nonreciprocal plasmonic structures. Journal of Physics Condensed Matter, 2018, 30, 104002.	0.7	27
15	Unidirectional, Defect-Immune, and Topologically Protected Electromagnetic Surface Waves. , 2018, , 569-604.		1
16	Topologically-Protected One-Way Leaky Waves. , 2018, , .		0
17	Zeeman gyrotropic scatterers. Nanomaterials and Nanotechnology, 2018, 8, 184798041880808.	1.2	8
18	Optical torque on a two-level system near a strongly nonreciprocal medium. Physical Review B, 2018, 98, .	1.1	18

#	ARTICLE	IF	CITATIONS
19	Spontaneous lateral atomic recoil force close to a photonic topological material. <i>Physical Review B</i> , 2018, 97, .	1.1	29
20	Molding light with metasurfaces: from far-field to near-field interactions. <i>Nanophotonics</i> , 2018, 7, 1025-1040.	2.9	14
21	Momentum-Space Topological Effects of Nonreciprocity. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 1988-1992.	2.4	7
22	Coupled Topological Surface Modes in Gyrotropic Structures: Green's Function Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 1993-1997.	2.4	13
23	Topological Waveguiding near an Exceptional Point: Defect-Immune, Slow-Light, and Loss-Immune Propagation. <i>Physical Review Letters</i> , 2018, 121, 093901.	2.9	59
24	Berry Phase, Berry Connection, and Chern Number for a Continuum Bianisotropic Material From a Classical Electromagnetics Perspective. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2017, 2, 3-17.	1.4	75
25	Directive Surface Plasmons on Tunable Two-Dimensional Hyperbolic Metasurfaces and Black Phosphorus: Green's Function and Complex Plane Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 1174-1186.	3.1	39
26	Giant Interatomic Energy-Transport Amplification with Nonreciprocal Photonic Topological Insulators. <i>Physical Review Letters</i> , 2017, 119, 173901.	2.9	25
27	Robust entanglement with three-dimensional nonreciprocal photonic topological insulators. <i>Physical Review A</i> , 2017, 95, .	1.0	33
28	Topologically Protected Unidirectional Surface States in Biased Ferrites: Duality and Application to Directional Couplers. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 449-452.	2.4	23
29	The effects of three-dimensional defects on one-way surface plasmon propagation for photonic topological insulators comprised of continuum media. <i>Scientific Reports</i> , 2016, 6, 30055.	1.6	38
30	Dyadic Green's Functions for Dipole Excitation of Homogenized Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 167-178.	3.1	21
31	Transient and steady-state entanglement mediated by three-dimensional plasmonic waveguides. <i>Optics Express</i> , 2015, 23, 22330.	1.7	31