

Victor

List of Publications by Year in descending order

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74
all docs

74
docs citations

74
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Metasurface Engineering through Bound States in the Continuum. <i>Physical Review Applied</i> , 2019, 12, .	3.8	157
2	Controlling high- Q trapped modes in polarization-insensitive all-dielectric metasurfaces. <i>Physical Review B</i> , 2019, 99, .	3.2	60
3	All-dielectric metasurfaces with trapped modes: Group-theoretical description. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	46
4	FDTD Formulation for Graphene Modeling Based on Piecewise Linear Recursive Convolution and Thin Material Sheets Techniques. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 767-770.	4.0	27
5	Quasi-Dark Resonances in Silicon Metasurface for Refractometric Sensing and Tunable Notch Filtering. <i>Journal of Lightwave Technology</i> , 2021, 39, 6985-6993.	4.6	27
6	Smart Terahertz Graphene Antenna: Operation as an Omnidirectional Dipole and as a Reconfigurable Directive Antenna. <i>IEEE Antennas and Propagation Magazine</i> , 2018, 60, 26-40.	1.4	25
7	Antitoroidic and Toroidic Orders in All-Dielectric Metasurfaces for Optical Near-Field Manipulation. <i>ACS Applied Nano Materials</i> , 2020, 3, 11315-11325.	5.0	21
8	Symmetry analysis of trimer-based all-dielectric metasurfaces with toroidal dipole modes. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 115107.	2.8	20
9	Dynamically Controllable Terahertz Graphene Y-Circulator. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-12.	2.1	18
10	Symmetry properties of electromagnetic planar arrays: Long-wave approximation and normal incidence. <i>Metamaterials</i> , 2011, 5, 141-148.	2.2	16
11	Nonreciprocal optical divider based on two-dimensional photonic crystal and magneto-optical cavity. <i>Applied Optics</i> , 2012, 51, 5917.	1.8	15
12	Three-port circulators with low symmetry based on photonic crystals and magneto-optical resonators. <i>Photonic Network Communications</i> , 2016, 31, 56-64.	2.7	14
13	Magnetic Dipole Ordering in Resonant Dielectric Metasurfaces. <i>Physical Review Applied</i> , 2020, 13, .	3.8	14
14	Photonic crystal-based circulators with three and four ports for sub-terahertz region. <i>Photonic Network Communications</i> , 2017, 33, 303-312.	2.7	13
15	Limits of the Effective Medium Theory in Particle Amplified Surface Plasmon Resonance Spectroscopy Biosensors. <i>Sensors</i> , 2019, 19, 584.	3.8	13
16	Combination of electric and magnetic dipoles with single-element feeding for broadband applications. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 8-12.	1.4	12
17	Symmetry Properties of Electromagnetic Planar Arrays in Transfer Matrix Description. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 185-194.	5.1	12
18	Planar THz electromagnetic graphene pass-band filter with low polarization and angle of incidence dependencies. <i>Applied Optics</i> , 2015, 54, 1515.	1.8	12

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19	Toroidic and antitoroidic orders in hexagonal arrays of dielectric trimers: Magnetic group approach. <i>Physical Review B</i> , 2021, 103, .	3.2	11
20	Spherical invisibility cloak with minimum number of layers of isotropic materials. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 2217-2220.	1.4	10
21	Possible mechanisms of switching in symmetrical two-ports based on 2D photonic crystals with magneto-optical resonators. <i>Optics Letters</i> , 2013, 38, 4040.	3.3	10
22	Temporal Coupled-Mode Theory of Electromagnetic Components Described by Magnetic Groups of Symmetry. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018, 66, 1165-1171.	4.6	9
23	Graphene Rectangular Loop Antenna for Terahertz Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 3063-3073.	5.1	9
24	Flat metasurfaces with square supercells of $2\tilde{A}-2$ dielectric disk quadrumers: tailoring the fine structure of toroidal mode local field. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 205104.	2.8	8
25	Simple and Efficient Computational Method to Analyze Cylindrical Plasmonic Nanoantennas. <i>International Journal of Antennas and Propagation</i> , 2014, 2014, 1-8.	1.2	7
26	Extended Group-Theoretical Approach to Metamaterials With Application to THz Graphene Fish-Scale Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 5893-5897.	5.1	6
27	Controllable frequency and polarization THz filter based on graphene fish-scale metamaterial. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 3115-3118.	1.4	6
28	Dielectric-Loaded Waveguides as Advanced Platforms for Diagnostics and Application of Transparent Thin Films. <i>Langmuir</i> , 2021, 37, 3248-3260.	3.5	6
29	Graphene terahertz filter. , 2015, , .		5
30	Radiation and absorption properties of gold nanodipoles in transmitting mode. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1-6.	1.4	5
31	Ultra wideband THz graphene four-port circulators. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 112-117.	1.4	5
32	Controllable graphene W-shaped three-port THz circulator. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 40, 100795.	2.0	5
33	Tunable THz Switch-Filter Based on Magneto-Plasmonic Graphene Nanodisk. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-9.	2.1	5
34	Graphene THz filter-switch dividers based on dipole-quadrupole and magneto-optical resonance effects. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 1366.	1.5	5
35	Enlarging the impedance matching bandwidth of wire and planar antennas using loop parasitic elements. , 2009, , .		4
36	Theoretical analysis of graphene nanoantennas with different shapes. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 1019-1024.	1.4	4

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37	Planar graphene multifunctional component. Microwave and Optical Technology Letters, 2015, 57, 1755-1760.	1.4	4
38	THz dynamically controllable graphene Y-circulator. , 2017, , .		4
39	Theoretical Study of Plasmonically Induced Transparency Effect in Arrays of Graphene-Based Double Disk Resonators. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2019, 18, 114-125.	0.7	4
40	Graphene-based multifunctional three-port THz and long-wave infrared components. Applied Optics, 2020, 59, E65.	1.8	4
41	Application of particle swarm optimization to ultra-wideband multistatic radar used for protection of indoor environment. , 2007, , .		3
42	Electrothermal analysis of modified OPGW cables using Multiphysics Model. , 2015, , .		3
43	Nonreciprocal dynamically tunable power dividers by three (1x3) based on graphene for terahertz region. Optics Communications, 2021, 506, 127312.	2.1	3
44	Tunable dual-band filter based on monolayer black phosphorus. Microwave and Optical Technology Letters, 2022, 64, 1170-1175.	1.4	3
45	Design of dielectric cloaks by scattering cancellation technique using genetic algorithms. , 2009, , .		2
46	Wideband compact 2D photonic crystal switch based on ferrite resonator in square lattice with 90° bending. Microwave and Optical Technology Letters, 2016, 58, 238-242.	1.4	2
47	Broadband Dipole-Loop Combined Nanoantenna Fed by Two-Wire Optical Transmission Line. International Journal of Antennas and Propagation, 2017, 2017, 1-13.	1.2	2
48	Tunable THz and Infrared Plasmonic Filters and Switches Based on Circular Graphene Resonator With 90° Bending of Output Port. IEEE Photonics Journal, 2020, 12, 1-13.	2.0	2
49	Optimization of Modified Yagi-Uda Nanoantenna Arrays Using Adaptive Fuzzy GAPSO. International Journal of Antennas and Propagation, 2021, 2021, 1-11.	1.2	2
50	Planar elliptical UWB monopole antenna with high efficiency. , 2011, , .		1
51	Electromagnetic Model of a SPR Sensor Coupled to Array of Nanoparticles by Periodic Green's Function. International Journal of Antennas and Propagation, 2019, 2019, 1-19.	1.2	1
52	Electromagnetic model of a nanodipole array above a double-layer graphene by periodic green's function. IET Microwaves, Antennas and Propagation, 2020, 14, 2088-2096.	1.4	1
53	Circuit theory of symmetrical coupled waveguiding structures: Group-theoretical approach. Microwave and Optical Technology Letters, 2001, 31, 446-449.	1.4	0
54	Analysis of current density distributions over the cross-section of OPGW cables using an analytical model and the FEM numerical method. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	Near field analysis of modified bowtie nanoantennas with polynomial sides. , 2009, , .		0
56	Numerical analysis of cylindrical nanodipoles by linear moment method. , 2011, , .		0
57	Reconfigurable electromagnetic frequency selective surface with high Q-factor transmission resonance. , 2011, , .		0
58	Possible mechanisms of switching in two-ports based on 2D photonic crystals with magneto-optical resonators. , 2013, , .		0
59	A new optical component: Nonreciprocal three-way divider based on magneto-optical resonator. , 2013, , .		0
60	Ultra-Wideband Planar Monopole Antennas with Improved Characteristics. Microwave and Optical Technology Letters, 2013, 55, 2149-2154.	1.4	0
61	THz electromagnetic graphene pass-band filter with polarization insensibility and dynamic control. , 2014, , .		0
62	Photonic crystal magneto-optical switch. , 2015, , .		0
63	Design and optimization of new sub-THz compact switch based on 2D photonic crystal with quadrupole resonance in ferrite resonator. , 2015, , .		0
64	Magneto-optical photonic crystal-based three-port circulators with low symmetry. , 2015, , .		0
65	Geometry optimization of plasmonic nanoantennas for organic solar cells. , 2015, , .		0
66	Controllable graphene reflect array. , 2016, , .		0
67	Vortex-based ferromagnetic resonance isolator in 2D photonic crystal waveguide. , 2017, , .		0
68	Temporal coupled-mode theory of electromagnetic components with magnetic symmetry. , 2017, , .		0
69	Magnetic group analysis of electromagnetic modes in C_{2v} (C_{2v})-symmetric graphene array. , 2017, , .		0
70	Plasmonic Nanoantennas For Solar Cells With Improved Efficiency. , 2018, , .		0
71	Quadrupole resonator mode versus dipole one in photonic crystal ferrite circulators. Photonics and Nanostructures - Fundamentals and Applications, 2021, 46, 100954.	2.0	0
72	Controllable Dual-Band Filter Based on Black Phosphorus. , 2021, , .		0

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73	Multifunctional resonant graphene four-port for THz and far IR regions. Photonics and Nanostructures - Fundamentals and Applications, 2022, 50, 101024.	2.0	0