

Victor

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flat metasurfaces with square supercells of $2\lambda \times 2\lambda$ dielectric disk quadrupoles: tailoring the fine structure of toroidal mode local field. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 205104.	2.8	8
2	Tunable dual-band filter based on monolayer black phosphorus. <i>Microwave and Optical Technology Letters</i> , 2022, 64, 1170-1175.	1.4	3
3	Multifunctional resonant graphene four-port for THz and far IR regions. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022, 50, 101024.	2.0	0
4	Graphene Rectangular Loop Antenna for Terahertz Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 3063-3073.	5.1	9
5	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
6	Optimization of Modified Yagi-Uda Nanoantenna Arrays Using Adaptive Fuzzy GAPSO. <i>International Journal of Antennas and Propagation</i> , 2021, 2021, 1-11.	1.2	2
7	Dielectric-Loaded Waveguides as Advanced Platforms for Diagnostics and Application of Transparent Thin Films. <i>Langmuir</i> , 2021, 37, 3248-3260.	3.5	6
8	Toroidic and antitoroidic orders in hexagonal arrays of dielectric trimers: Magnetic group approach. <i>Physical Review B</i> , 2021, 103, .	3.2	11
9	Tunable THz Switch-Filter Based on Magneto-Plasmonic Graphene Nanodisk. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-9.	2.1	5
10	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
11	Quadrupole resonator mode versus dipole one in photonic crystal ferrite circulators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 46, 100954.	2.0	0
12	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
13	Nonreciprocal dynamically tunable power dividers by three (1x3) based on graphene for terahertz region. <i>Optics Communications</i> , 2021, 506, 127312.	2.1	3
14	Controllable Dual-Band Filter Based on Black Phosphorus. , 2021, , .		0
15	Ultra wideband THz graphene four-port circulators. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 112-117.	1.4	5
16	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
17	Tunable THz and Infrared Plasmonic Filters and Switches Based on Circular Graphene Resonator With 90° Bending of Output Port. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	2.0	2
18	Controllable graphene W-shaped three-port THz circulator. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 40, 100795.	2.0	5

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19	Magnetic Dipole Ordering in Resonant Dielectric Metasurfaces. Physical Review Applied, 2020, 13, .	3.8	14
20	Graphene-based multifunctional three-port THz and long-wave infrared components. Applied Optics, 2020, 59, E65.	1.8	4
21	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
22	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
23	Metasurface Engineering through Bound States in the Continuum. Physical Review Applied, 2019, 12, .	3.8	157
24	Limits of the Effective Medium Theory in Particle Amplified Surface Plasmon Resonance Spectroscopy Biosensors. Sensors, 2019, 19, 584.	3.8	13
25	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
26	All-dielectric metasurfaces with trapped modes: Group-theoretical description. Journal of Applied Physics, 2019, 125, .	2.5	46
27	Controlling high-Q trapped modes in polarization-insensitive all-dielectric metasurfaces. Physical Review B, 2019, 99, .	3.2	60
28	Dynamically Controllable Terahertz Graphene Y-Circulator. IEEE Transactions on Magnetics, 2019, 55, 1-12.	2.1	18
29	Temporal Coupled-Mode Theory of Electromagnetic Components Described by Magnetic Groups of Symmetry. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1165-1171.	4.6	9
30	Plasmonic Nanoantennas For Solar Cells With Improved Efficiency. , 2018, , .		0
31	Smart Terahertz Graphene Antenna: Operation as an Omnidirectional Dipole and as a Reconfigurable Directive Antenna. IEEE Antennas and Propagation Magazine, 2018, 60, 26-40.	1.4	25
32	Controllable frequency and polarization THz filter based on graphene fish-scale metamaterial. Microwave and Optical Technology Letters, 2017, 59, 3115-3118.	1.4	6
33	Photonic crystal-based circulators with three and four ports for sub-terahertz region. Photonic Network Communications, 2017, 33, 303-312.	2.7	13
34	THz dynamically controllable graphene Y-circulator. , 2017, , .		4
35	Vortex-based ferromagnetic resonance isolator in 2D photonic crystal waveguide. , 2017, , .		0
36	Temporal coupled-mode theory of electromagnetic components with magnetic symmetry. , 2017, , .		0

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37	Magnetic group analysis of electromagnetic modes in C_{2v} -symmetric graphene array. , 2017, , .		0
38	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
39	Controllable graphene reflect array. , 2016, , .		0
40	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
41	Three-port circulators with low symmetry based on photonic crystals and magneto-optical resonators. Photonic Network Communications, 2016, 31, 56-64.	2.7	14
42	Photonic crystal magneto-optical switch. , 2015, , .		0
43	Electrothermal analysis of modified OPGW cables using Multiphysics Model. , 2015, , .		3
44	Graphene terahertz filter. , 2015, , .		5
45	Design and optimization of new sub-THz compact switch based on 2D photonic crystal with quadrupole resonance in ferrite resonator. , 2015, , .		0
46	Magneto-optical photonic crystal-based three-port circulators with low symmetry. , 2015, , .		0
47	Extended Group-Theoretical Approach to Metamaterials With Application to THz Graphene Fish-Scale Array. IEEE Transactions on Antennas and Propagation, 2015, 63, 5893-5897.	5.1	6
48	Geometry optimization of plasmonic nanoantennas for organic solar cells. , 2015, , .		0
49	FDTD Formulation for Graphene Modeling Based on Piecewise Linear Recursive Convolution and Thin Material Sheets Techniques. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 767-770.	4.0	27
50	Radiation and absorption properties of gold nanodipoles in transmitting mode. Microwave and Optical Technology Letters, 2015, 57, 1-6.	1.4	5
51	Planar THz electromagnetic graphene pass-band filter with low polarization and angle of incidence dependencies. Applied Optics, 2015, 54, 1515.	1.8	12
52	Planar graphene multifunctional component. Microwave and Optical Technology Letters, 2015, 57, 1755-1760.	1.4	4
53	Simple and Efficient Computational Method to Analyze Cylindrical Plasmonic Nanoantennas. International Journal of Antennas and Propagation, 2014, 2014, 1-8.	1.2	7
54	THz electromagnetic graphene pass-band filter with polarization insensibility and dynamic control. , 2014, , .		0

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55	Theoretical analysis of graphene nanoantennas with different shapes. Microwave and Optical Technology Letters, 2014, 56, 1019-1024.	1.4	4
56	Possible mechanisms of switching in two-ports based on 2D photonic crystals with magneto-optical resonators. , 2013, , .		0
57	A new optical component: Nonreciprocal three-way divider based on magneto-optical resonator. , 2013, , .		0
58	Symmetry Properties of Electromagnetic Planar Arrays in Transfer Matrix Description. IEEE Transactions on Antennas and Propagation, 2013, 61, 185-194.	5.1	12
59	Possible mechanisms of switching in symmetrical two-ports based on 2D photonic crystals with magneto-optical resonators. Optics Letters, 2013, 38, 4040.	3.3	10
60	Ultra-Wideband Planar Monopole Antennas with Improved Characteristics. Microwave and Optical Technology Letters, 2013, 55, 2149-2154.	1.4	0
61	Nonreciprocal optical divider based on two-dimensional photonic crystal and magneto-optical cavity. Applied Optics, 2012, 51, 5917.	1.8	15
62	Spherical invisibility cloak with minimum number of layers of isotropic materials. Microwave and Optical Technology Letters, 2012, 54, 2217-2220.	1.4	10
63	Numerical analysis of cylindrical nanodipoles by linear moment method. , 2011, , .		0
64	Symmetry properties of electromagnetic planar arrays: Long-wave approximation and normal incidence. Metamaterials, 2011, 5, 141-148.	2.2	16
65	Planar elliptical UWB monopole antenna with high efficiency. , 2011, , .		1
66	Reconfigurable electromagnetic frequency selective surface with high Q-factor transmission resonance. , 2011, , .		0
67	Enlarging the impedance matching bandwidth of wire and planar antennas using loop parasitic elements. , 2009, , .		4
68	Design of dielectric cloaks by scattering cancellation technique using genetic algorithms. , 2009, , .		2
69	Near field analysis of modified bowtie nanoantennas with polynomial sides. , 2009, , .		0
70	Application of particle swarm optimization to ultra-wideband multistatic radar used for protection of indoor environment. , 2007, , .		3
71	Analysis of current density distributions over the cross-section of OPCW cables using an analytical model and the FEM numerical method. , 2007, , .		0
72	Combination of electric and magnetic dipoles with single-element feeding for broadband applications. Microwave and Optical Technology Letters, 2006, 48, 8-12.	1.4	12

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73	Circuit theory of symmetrical coupled waveguiding structures: Group-theoretical approach. Microwave and Optical Technology Letters, 2001, 31, 446-449.	1.4	0