

Vladimir B Novikov

List of Publications by Year in descending order

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39
papers

260
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1040056

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39
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Photon Luminescence and Second-Harmonic Generation in Organic Nonlinear Surface Comprised of Self-Assembled Frustum Shaped Organic Microlasers. <i>Advanced Materials</i> , 2017, 29, 1605260.	21.0	75
2	Chiral organic photonics: self-assembled micro-resonators for an enhanced circular dichroism effect in the non-linear optical signal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12349-12353.	5.5	40
3	Borrmann effect in photonic crystals. <i>Optics Letters</i> , 2017, 42, 1389.	3.3	18
4	Polarization effects in diffraction-induced laser pulse splitting in one-dimensional photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1261.	2.1	17
5	Second-harmonic generation spectroscopy in gold nanorod-based epsilon-near-zero metamaterials. <i>Optics Letters</i> , 2020, 45, 1866.	3.3	15
6	Optical pendulum effect in one-dimensional diffraction-thick porous silicon based photonic crystals. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	13
7	Phase-matched optical second harmonic generation in a hyperbolic metamaterial based on silver nanorods. <i>Physical Review B</i> , 2020, 102, .	3.2	13
8	Anomalous birefringence and enhanced magneto-optical effects in epsilon-near-zero metamaterials based on nanorods TM arrays. <i>Optics Express</i> , 2019, 27, 32069.	3.4	12
9	Laue diffraction in one-dimensional photonic crystals: The way for phase-matched second-harmonic generation. <i>Physical Review B</i> , 2016, 93, .	3.2	9
10	Enhanced nonlinear optical effects in organic frustum-shaped microresonators. <i>Laser Physics Letters</i> , 2017, 14, 035403.	1.4	8
11	Superluminal and slow femtosecond laser pulses in hyperbolic metamaterials in epsilon-near-zero regime. <i>Optics Letters</i> , 2021, 46, 2276.	3.3	7
12	Optical Properties of Hyperbolic Metamaterials (Brief Review). <i>JETP Letters</i> , 2021, 114, 653-664.	1.4	6
13	Dynamical Bragg Diffraction in the Laue Geometry in 1D Porous Silicon-Based Photonic Crystals. <i>Journal of Russian Laser Research</i> , 2015, 36, 588-601.	0.6	5
14	Borrmann effect in Laue diffraction in one-dimensional photonic crystals under a topological phase transition. <i>Physical Review B</i> , 2019, 99, .	3.2	5
15	Optical Effects in Magnetoplasmonic Crystals Based on 1D Metal-Dielectric Lattice. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2020, 128, 1481-1486.	0.6	5
16	Enhancement of Optical Second Harmonic Generation in Hybrid Plasmonic-Photonic Microcavities. <i>JETP Letters</i> , 2018, 108, 296-301.	1.4	3
17	Nonlinear optical effects in organic microstructures. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
18	Magneto-optical properties of plasmonic hyperbolic metamaterials. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012120.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Surface plasmon driven enhancement of linear and nonlinear magneto-optical Kerr effects in bimetallic magnetoplasmonic crystals in conical diffraction. <i>Physical Review B</i> , 2022, 105, .	3.2	2
20	Optical Effects Accompanying the Dynamical Bragg Diffraction in Linear 1D Photonic Crystals Based on Porous Silicon. <i>Crystals</i> , 2014, 4, 427-438.	2.2	1
21	Second harmonic generation in hyperbolic metamaterials. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012058.	0.4	1
22	Dyakonov plasmons in hypercrystals studied by finite-difference frequency-domain method. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
23	Bragg Diffraction-Induced Splitting of Femtosecond Laser Pulses in a Photonic Crystal. , 2012, , .		0
24	Polarization and nonlinear effects in diffraction-induced laser pulse splitting in one-dimensional photonic crystals. , 2013, , .		0
25	All-optical switching of Pendellösung effect in 1D porous silicon photonic crystal. , 2014, , .		0
26	Phase-matched second harmonic generation in one-dimensional photonic crystals in the Laue geometry. , 2016, , .		0
27	Spectral features of the Borrmann effect in 1D photonic crystals in the Laue geometry. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
28	Quadratic and cubic nonlinear-optical response of organic microstructures. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
29	Whispering gallery modes in the two-photon luminescence of organic microspheres. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012059.	0.4	0
30	Optical Spectroscopy of Hyperbolic Plasmonic Metamaterials. , 2018, , .		0
31	Laser pulse splitting effect in second harmonic generation from 1D photonic crystals in the Laue geometry. , 2018, , .		0
32	Enhanced Transmission in Non-Hermitian One-Dimensional Photonic Crystals Under the Band Inversion. , 2019, , .		0
33	Femtosecond laser pulse splitting effect in second harmonic generation under Laue diffraction in one-dimensional photonic crystals. <i>Physical Review B</i> , 2021, 103, .	3.2	0
34	Selective Compression of Femtosecond Laser Pulses in a Linear Photonic Crystal. , 2013, , .		0
35	Phase-matched Second harmonic generation in 1D photonic crystal in the Laue geometry. , 2015, , .		0
36	Femtosecond Pulse-Splitting Effect in Second Harmonic Generation in the Laue Diffraction Scheme From 1D Photonic Crystals. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Resonant Enhancement of Emission of Dipoles Located in Epsilon-Near-Zero Metal Nanorod-Based Metamaterial. , 2020, , .		0
38	Light diffraction in photonic hypercrystals studied by finite-difference frequency-domain method. , 2020, , .		0
39	Effect of longitudinal epsilon-near-zero regime in dynamics of ultrashort laser pulses in hyperbolic metamaterials. Journal of Physics: Conference Series, 2021, 2015, 012098.	0.4	0