

# Vladimir B Novikov

## List of Publications by Year in descending order

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39  
papers

260  
citations

1040056

9  
h-index

940533

16  
g-index

39  
all docs

39  
docs citations

39  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Superluminal and slow femtosecond laser pulses in hyperbolic metamaterials in epsilon-near-zero regime. <i>Optics Letters</i> , 2021, 46, 2276.	3.3	7
3	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
4	Effect of longitudinal epsilon-near-zero regime in dynamics of ultrashort laser pulses in hyperbolic metamaterials. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012098.	0.4	0
5	Optical Properties of Hyperbolic Metamaterials (Brief Review). <i>JETP Letters</i> , 2021, 114, 653-664.	1.4	6
6	Phase-matched optical second harmonic generation in a hyperbolic metamaterial based on silver nanorods. <i>Physical Review B</i> , 2020, 102, .	3.2	13
7	Dyakonov plasmons in hypercrystals studied by finite-difference frequency-domain method. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
8	Magneto-optical properties of plasmonic hyperbolic metamaterials. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012120.	0.4	2
9	Second-harmonic generation spectroscopy in gold nanorod-based epsilon-near-zero metamaterials. <i>Optics Letters</i> , 2020, 45, 1866.	3.3	15
10	Resonant Enhancement of Emission of Dipoles Located in Epsilon-Near-Zero Metal Nanorod-Based Metamaterial. , 2020, , .		0
11	Light diffraction in photonic hypercrystals studied by finite-difference frequency-domain method. , 2020, , .		0
12	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
13	Bormann effect in Laue diffraction in one-dimensional photonic crystals under a topological phase transition. <i>Physical Review B</i> , 2019, 99, .	3.2	5
14	Enhanced Transmission in Non-Hermitian One-Dimensional Photonic Crystals Under the Band Inversion. , 2019, , .		0
15	Anomalous birefringence and enhanced magneto-optical effects in epsilon-near-zero metamaterials based on nanorodsâ€™ arrays. <i>Optics Express</i> , 2019, 27, 32069.	3.4	12
16	Enhancement of Optical Second Harmonic Generation in Hybrid Plasmonicâ€™Photonic Microcavities. <i>JETP Letters</i> , 2018, 108, 296-301.	1.4	3
17	Whispering gallery modes in the two-photon luminescence of organic microspheres. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012059.	0.4	0
18	Second harmonic generation in hyperbolic metamaterials. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012058.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Optical Spectroscopy of Hyperbolic Plasmonic Metamaterials. , 2018, , .		0
20	Laser pulse spitting effect in second harmonic generation from 1D photonic crystals in the Laue geometry. , 2018, , .		0
21	Femtosecond Pulse-Splitting Effect in Second Harmonic Generation in the Laue Diffraction Scheme From 1D Photonic Crystals. , 2018, , .		0
22	Two-Photon Luminescence and Second-Harmonic Generation in Organic Nonlinear Surface Comprised of Self-Assembled Frustum Shaped Organic Microlasers. Advanced Materials, 2017, 29, 1605260.	21.0	75
23	Enhanced nonlinear optical effects in organic frustum-shaped microresonators. Laser Physics Letters, 2017, 14, 035403.	1.4	8
24	Spectral features of the Borrmann effect in 1D photonic crystals in the Laue geometry. Proceedings of SPIE, 2017, , .	0.8	0
25	Nonlinear optical effects in organic microstructures. Proceedings of SPIE, 2017, , .	0.8	2
26	Quadratic and cubic nonlinear-optical response of organic microstructures. AIP Conference Proceedings, 2017, , .	0.4	0
27	Chiral organic photonics: self-assembled micro-resonators for an enhanced circular dichroism effect in the non-linear optical signal. Journal of Materials Chemistry C, 2017, 5, 12349-12353.	5.5	40
28	Borrmann effect in photonic crystals. Optics Letters, 2017, 42, 1389.	3.3	18
29	Phase-matched second harmonic generation in one-dimensional photonic crystals in the Laue geometry. , 2016, , .		0
30	Laue diffraction in one-dimensional photonic crystals: The way for phase-matched second-harmonic generation. Physical Review B, 2016, 93, .	3.2	9
31	Optical pendulum effect in one-dimensional diffraction-thick porous silicon based photonic crystals. Journal of Applied Physics, 2015, 118, .	2.5	13
32	Dynamical Bragg Diffraction in the Laue Geometry in 1D Porous Silicon-Based Photonic Crystals. Journal of Russian Laser Research, 2015, 36, 588-601.	0.6	5
33	Phase-matched Second harmonic generation in 1D photonic crystal in the Laue geometry. , 2015, , .		0
34	Optical Effects Accompanying the Dynamical Bragg Diffraction in Linear 1D Photonic Crystals Based on Porous Silicon. Crystals, 2014, 4, 427-438.	2.2	1
35	All-optical switching of Pendellung effect in 1D porous silicon photonic crystal. , 2014, , .		0
36	Polarization effects in diffraction-induced laser pulse splitting in one-dimensional photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1261.	2.1	17

#	ARTICLE	IF	CITATIONS
37	Polarization and nonlinear effects in diffraction-induced laser pulse splitting in one-dimensional photonic crystals. , 2013, , .		0
38	Selective Compression of Femtosecond Laser Pulses in a Linear Photonic Crystal. , 2013, , .		0
39	Bragg Diffraction-Induced Splitting of Femtosecond Laser Pulses in a Photonic Crystal. , 2012, , .		0