

# Igor I Smolyaninov

## List of Publications by Citations

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166  
papers

6,276  
citations

33  
h-index

77  
g-index

188  
ext. papers

7,086  
ext. citations

3.5  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
166	Nano-optics of surface plasmon polaritons. <i>Physics Reports</i> , <b>2005</b> , 408, 131-314	27.7	1666
165	Magnifying superlens in the visible frequency range. <i>Science</i> , <b>2007</b> , 315, 1699-701	33.3	591
164	Near-field photonics: surface plasmon polaritons and localized surface plasmons. <i>Journal of Optics</i> , <b>2003</b> , 5, S16-S50		406
163	Broadband Purcell effect: Radiative decay engineering with metamaterials. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 181105	3.4	306
162	Anisotropic metamaterials emulated by tapered waveguides: application to optical cloaking. <i>Physical Review Letters</i> , <b>2009</b> , 102, 213901	7.4	155
161	Metric signature transitions in optical metamaterials. <i>Physical Review Letters</i> , <b>2010</b> , 105, 067402	7.4	145
160	Far-field optical microscopy with a nanometer-scale resolution based on the in-plane image magnification by surface plasmon polaritons. <i>Physical Review Letters</i> , <b>2005</b> , 94, 057401	7.4	139
159	Imaging of Surface Plasmon Scattering by Lithographically Created Individual Surface Defects. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3877-3880	7.4	119
158	Near-field second harmonic generation from a rough metal surface. <i>Physical Review B</i> , <b>1997</b> , 56, 9290-9293	7.3	95
157	Near-field microscopy of surface-plasmon polaritons: Localization and internal interface imaging. <i>Physical Review B</i> , <b>1995</b> , 51, 17916-17924	3.3	90
156	Experimental study of surface-plasmon scattering by individual surface defects. <i>Physical Review B</i> , <b>1997</b> , 56, 1601-1611	3.3	89
155	Roadmap on optical metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 093005	1.7	89
154	Near-field direct-write ultraviolet lithography and shear force microscopic studies of the lithographic process. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 3859-3861	3.4	86
153	Controlling optical transmission through magneto-plasmonic crystals with an external magnetic field. <i>New Journal of Physics</i> , <b>2008</b> , 10, 105012	2.9	81
152	Fluorescence enhancement by surface gratings. <i>Optics Express</i> , <b>2006</b> , 14, 10825-30	3.3	76
151	Polarization control of optical transmission of a periodic array of elliptical nanoholes in a metal film. <i>Optics Letters</i> , <b>2004</b> , 29, 1414-6	3	74
150	Two-dimensional metamaterial structure exhibiting reduced visibility at 500 nm. <i>Optics Letters</i> , <b>2008</b> , 33, 1342-4	3	72

149	Direct observation of surface polariton localization caused by surface roughness. <i>Optics Communications</i> , <b>1995</b> , 117, 417-423	2	72
148	Surface plasmon polariton enhanced fluorescence from quantum dots on nanostructured metal surfaces. <i>Nano Letters</i> , <b>2010</b> , 10, 813-20	11.5	71
147	Near-field second-harmonic imaging of ferromagnetic and ferroelectric materials. <i>Optics Letters</i> , <b>1997</b> , 22, 1592-4	3	53
146	Focused ion-beam fabrication of fiber probes with well-defined apertures for use in near-field scanning optical microscopy. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 3133-3135	3.4	50
145	Modeling of time with metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1591	1.7	49
144	Hyperbolic metamaterial interfaces: Hawking radiation from Rindler horizons and spacetime signature transitions. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	47
143	Experimental observation of the trapped rainbow. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 211121	3.4	46
142	Phase conjugation of an optical near field. <i>Optics Letters</i> , <b>1994</b> , 19, 1601-3	3	46
141	Surface plasmon toy model of a rotating black hole. <i>New Journal of Physics</i> , <b>2003</b> , 5, 147-147	2.9	44
140	Maxwell fish-eye and Eaton lenses emulated by microdroplets. <i>Optics Letters</i> , <b>2010</b> , 35, 3396-8	3	43
139	Roadmap on transformation optics. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 063001	1.7	40
138	Wavelength dependent birefringence of surface plasmon polaritonic crystals. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	39
137	Surface plasmon dielectric waveguides. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 241106	3.4	37
136	Resolution enhancement of a surface immersion microscope near the plasmon resonance. <i>Optics Letters</i> , <b>2005</b> , 30, 382-4	3	36
135	Self-assembled tunable photonic hyper-crystals. <i>Scientific Reports</i> , <b>2014</b> , 4, 5706	4.9	34
134	Vacuum in a strong magnetic field as a hyperbolic metamaterial. <i>Physical Review Letters</i> , <b>2011</b> , 107, 253903	3.3	34
133	Super-resolution optical microscopy based on photonic crystal materials. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	33
132	Correlation between optical and topographical images from an external reflection near-field microscope with shear force feedback. <i>Applied Optics</i> , <b>1995</b> , 34, 3793-9	1.7	33

131	Light emission from the tunneling junction of the scanning tunneling microscope. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1990</b> , 149, 410-412	2.3	33
130	Imaging and focusing properties of plasmonic metamaterial devices. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	32
129	Quantum fluctuations of the refractive index near the interface between a metal and a nonlinear dielectric. <i>Physical Review Letters</i> , <b>2005</b> , 94, 057403	7.4	31
128	Experimental modeling of cosmological inflation with metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 2575-2579	2.3	30
127	Giant Enhancement of Surface Second Harmonic Generation in BaTiO <sub>3</sub> due to Photorefractive Surface Wave Excitation. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2429-2432	7.4	30
126	Experimental demonstration of metamaterial "multiverse" in a ferrofluid. <i>Optics Express</i> , <b>2013</b> , 21, 14918-35	3.5	28
125	High resolution study of permanent photoinduced reflectivity changes and charge-order domain switching in Bi(0.3)Ca(0.7)MnO(3). <i>Physical Review Letters</i> , <b>2001</b> , 87, 127204	7.4	28
124	Analog of gravitational force in hyperbolic metamaterials. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	27
123	Effect of atmospheric turbulence on bit-error rate in an on-off-keyed optical wireless system <b>2002</b> ,		26
122	Near-field optical microscopy of two-dimensional photonic and plasmonic crystals. <i>Physical Review B</i> , <b>1999</b> , 59, 2454-2460	3.3	26
121	Photon emission from a layer of copper phthalocyanine molecules on a gold (111) film surface induced by STM. <i>Surface Science</i> , <b>1996</b> , 364, 79-88	1.8	26
120	Experimental demonstration of superconducting critical temperature increase in electromagnetic metamaterials. <i>Scientific Reports</i> , <b>2014</b> , 4, 7321	4.9	25
119	The effect of the surface enhanced polariton field on the tunneling current of a STM. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1995</b> , 200, 438-444	2.3	25
118	Spectroscopic measurements of light emitted by the scanning tunneling microscope. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1991</b> , 158, 337-340	2.3	25
117	Using metamaterial nanoengineering to triple the superconducting critical temperature of bulk aluminum. <i>Scientific Reports</i> , <b>2015</b> , 5, 15777	4.9	23
116	Observation of localized plasmonic excitations in thin metal films with near-field second-harmonic microscopy. <i>Optics Communications</i> , <b>1999</b> , 169, 93-96	2	23
115	Light-controlled photon tunneling. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3314-3316	3.4	22
114	Near-field second harmonic imaging of lead zirconate titanate piezoceramic. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 1942-1944	3.4	22

113	Scattered light enhancement near a phase conjugating mirror. <i>Optics Communications</i> , <b>1995</b> , 115, 115-120		22
112	Fractal surface characterization: implications for plasmon polariton scattering. <i>Surface Science</i> , <b>1996</b> , 356, 268-274	1.8	22
111	Hyperbolic metamaterials: Novel physics and applications. <i>Solid-State Electronics</i> , <b>2017</b> , 136, 102-112	1.7	21
110	Metamaterial "multiverse". <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 024004	1.7	20
109	Plasmon-induced magnetization of metallic nanostructures. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	20
108	Local crystal analysis using near-field optical second harmonic microscopy: Application to thin ferroelectric films. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 206-211	2.5	20
107	Enhanced superconductivity in aluminum-based hyperbolic metamaterials. <i>Scientific Reports</i> , <b>2016</b> , 6, 34140	4.9	19
106	Experimental study of probe-surface interaction in near-field optical microscopy. <i>Ultramicroscopy</i> , <b>1998</b> , 71, 177-182	3.1	19
105	Near-field second-harmonic generation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2004</b> , 362, 843-60	3	18
104	Polarization superprism effect in surface polaritonic crystals. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 4438-4440	3.4	18
103	Apparent superresolution in near-field optical imaging of periodic gratings. <i>Optics Letters</i> , <b>1998</b> , 23, 1346-7		18
102	Quantum topological transition in hyperbolic metamaterials based on high T <sub>c</sub> superconductors. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 305701	1.8	17
101	Metamaterial superconductors. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	17
100	Coherent control of surface plasmon polariton mediated optical transmission. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 195102	3	17
99	Linear and nonlinear optics of surface-plasmon whispering-gallery modes. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	17
98	Imaging with short-wavelength surface plasmon polaritons. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 151114	3.4	15
97	Theoretical modeling of critical temperature increase in metamaterial superconductors. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	14
96	Modeling of causality with metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 025101	1.7	14

95	Transformational optics of plasmonic metamaterials. <i>New Journal of Physics</i> , <b>2008</b> , 10, 115033	2.9	14
94	Delayed diversity for fade resistance in optical wireless communications through turbulent media <b>2004</b> ,		14
93	A far-field optical microscope with nanometre-scale resolution based on in-plane surface plasmon imaging. <i>Journal of Optics</i> , <b>2005</b> , 7, S165-S175		14
92	Image formation in surface plasmon polariton mirrors: applications in high-resolution optical microscopy. <i>New Journal of Physics</i> , <b>2005</b> , 7, 175-175	2.9	13
91	Minkowski domain walls in hyperbolic metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2013</b> , 377, 353-356	2.3	12
90	Is There a Metamaterial Route to High Temperature Superconductivity?. <i>Advances in Condensed Matter Physics</i> , <b>2014</b> , 2014, 1-6	1	12
89	Planck-scale physics of vacuum in a strong magnetic field. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	12
88	Surface Wave Based Underwater Radio Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2503-2507	3.8	12
87	Fractal extra dimension in Kaluza-Klein theory. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	11
86	Digital resolution enhancement in surface plasmon microscopy. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 84, 253-256	1.9	10
85	Studies of pointing, acquisition, and tracking of agile optical wireless transceivers for free-space optical communication networks <b>2004</b> ,		10
84	Giant Unruh effect in hyperbolic metamaterial waveguides. <i>Optics Letters</i> , <b>2019</b> , 44, 2224-2227	3	10
83	Critical opalescence in hyperbolic metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 125101	1.7	9
82	Characterization of time delayed diversity to mitigate fading in atmospheric turbulence channels <b>2005</b> ,		9
81	Experimental Demonstration of Luneburg Waveguides. <i>Photonics</i> , <b>2015</b> , 2, 440-448	2.2	8
80	Holographic duality in nonlinear hyperbolic metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 075101	1.7	8
79	Optical microscopy beyond the diffraction limit. <i>HFSP Journal</i> , <b>2008</b> , 2, 129-31		8
78	Photoluminescence from a gold nanotip in an accelerated reference frame. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2008</b> , 372, 7043-7045	2.3	8

77	ELECTRONS ON SOLID HYDROGEN AND SOLID NEON SURFACES. <i>International Journal of Modern Physics B</i> , <b>2001</b> , 15, 2075-2106	1.1	8
76	Experimental demonstration of birefringent transformation optics devices. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	7
75	Metamaterial-based model of the Alcubierre warp drive. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	7
74	Scanning Probe Microscopy of Surface Plasmons. <i>International Journal of Modern Physics B</i> , <b>1997</b> , 11, 2465-2510	1.1	7
73	Plasmon-polaritons on the surface of a pseudosphere. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	7
72	Nonlinear optics of photonic hyper-crystals: optical limiting and hyper-computing. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, 1629	1.7	7
71	Quantum electromagnetic black holes in a strong magnetic field. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2013</b> , 40, 015005	2.9	6
70	Light propagation through random hyperbolic media. <i>Optics Letters</i> , <b>2013</b> , 38, 971-3	3	6
69	Broadband Transformation Optics Devices. <i>Materials</i> , <b>2010</b> , 3, 4793-4810	3.5	6
68	Unruh effect in a waveguide. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2008</b> , 372, 5861-5864	2.3	6
67	Enhanced transmission of light through a gold film due to excitation of standing surface-plasmon Bloch waves. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	6
66	Electron-plasmon interaction in a cylindrical mesoscopic system: Important similarities with Kaluza-Klein theories. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	6
65	Characterization of phase-conjugated near-field light spots. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1995</b> , 12, 1617	1.7	6
64	Metamaterial superconductors. <i>Nanophotonics</i> , <b>2018</b> , 7, 795-818	6.3	5
63	Magnifying superlenses and other applications of plasmonic metamaterials in microscopy and sensing. <i>ChemPhysChem</i> , <b>2009</b> , 10, 625-8	3.2	5
62	Low-diffraction beaming in plasmonic crystals. <i>Optics Letters</i> , <b>2012</b> , 37, 2976-8	3	5
61	NONLINEAR NANO-OPTICS OF SURFACE PLASMONS AT THE "PLANCK SCALE". <i>Modern Physics Letters B</i> , <b>2006</b> , 20, 321-342	1.6	5
60	Free-space optical wireless links with topology control <b>2002</b> , 4821, 175		5

59	Long-distance 1.2 Gb/s optical wireless communication link at 1550 nm <b>2002</b> ,		5
58	Near-field microscopy of second-harmonic generation <b>1999</b> ,		5
57	Experimental model of topological defects in Minkowski space-time based on disordered ferrofluid: magnetic monopoles, cosmic strings and the space-time cloak. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	4
56	Fine tuning and MOND in a metamaterial "multiverse". <i>Scientific Reports</i> , <b>2017</b> , 7, 8023	4.9	3
55	Light-induced resonant transmittance through a gold film. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 041101	3.4	3
54	Strong optical coupling effects through a continuous metal film with a surface dielectric grating <b>2005</b> ,		3
53	Supercooling molecular hydrogen down through the superfluid transition. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2861-4	7.4	3
52	Micromachining of diamond with a near-field scanning optical microscope. <i>Optics Letters</i> , <b>2001</b> , 26, 1495-7		3
51	Development of Broadband Underwater Radio Communication for Application in Unmanned Underwater Vehicles. <i>Journal of Marine Science and Engineering</i> , <b>2020</b> , 8, 370	2.4	2
50	Observation of plasmon-phonons in a metamaterial superconductor using inelastic neutron scattering. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
49	Metamaterial model of fractal time. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 1315-1317	2.3	2
48	Metamaterial Model of Tachyonic Dark Energy. <i>Galaxies</i> , <b>2014</b> , 2, 72-80	2	2
47	Lattice models of nontrivial "optical spaces" based on metamaterial waveguides. <i>Optics Letters</i> , <b>2011</b> , 36, 2420-2	3	2
46	Nanophotonic devices based on plasmonic metamaterials. <i>Journal of Modern Optics</i> , <b>2008</b> , 55, 3187-3192	2.1	2
45	Two-dimensional plasmonic metamaterials <b>2007</b> ,		2
44	Analysis of compound parabolic concentrators and aperture averaging to mitigate fading on free-space optical links <b>2004</b> ,		2
43	Hybrid acousto-electromagnetic metamaterial superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2020</b> , 577, 1353730	1.3	2
42	Enhancement of critical temperature in fractal metamaterial superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2017</b> , 535, 20-23	1.3	1



41	Superconducting properties of tin-based ENZ and hyperbolic metamaterials. <i>Physica C: Superconductivity and Its Applications</i> , <b>2019</b> , 565, 1353511	1.3	1
40	Oscillating Cosmological Force Modifies Newtonian Dynamics. <i>Galaxies</i> , <b>2020</b> , 8, 45	2	1
39	Magnetic liquids under high electric fields as broadband optical diodes. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	1
38	Galactic optical cloaking of visible baryonic matter. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	1
37	Quantum mechanics of hyperbolic metamaterials: Modeling of quantum time and Everett's Universal wavefunction <i>Physica B: Condensed Matter</i> , <b>2014</b> , 453, 131-135	2.8	1
36	Big Crunch-based omnidirectional light concentrators. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 125103	10.3	1
35	Maxwell fisheye and Eaton lenses emulated by a microdroplet <b>2010</b> ,		1
34	Level of holographic noise in interferometry. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	1
33	Surface plasmon polariton enhanced fluorescence from quantum dots on nanostructured metal surfaces <b>2009</b> ,		1
32	Experimental observation of speckle instability in a two-dimensional disordered medium. <i>Metamaterials</i> , <b>2010</b> , 4, 207-213		1
31	Super-resolution microscopy using surface plasmon polaritons <b>2007</b> , 63-107		1
30	Fluorescence enhancement by surface gratings <b>2006</b> ,		1
29	Micromachining of diamond using near-field scanning optical microscope. <i>Materials Letters</i> , <b>2002</b> , 52, 408-411	3.3	1
28	Surface Plasmon Polariton Enhanced Fluorescence from Quantum Dots on Nanostructured Metal Surfaces <b>2009</b> ,		1
27	Magnifying Superlens in the Visible Frequency Range <b>2007</b> ,		1
26	Experimental observation of effective gravity and two-time physics in ferrofluid-based hyperbolic metamaterials. <i>Advanced Photonics</i> , <b>2020</b> , 2,	8.1	1
25	Experimental Observation of Melting of the Effective Minkowski Spacetime in Cobalt-Based Ferrofluids. <i>International Journal of Behavioral and Consultation Therapy</i> , <b>2017</b> , 137-158	0.6	1
24	Chapter 3 Super-resolution microscopy using surface plasmon polaritons. <i>Advances in Nano-optics and Nano-photonics</i> , <b>2006</b> , 63-107		1

23	Lithographically Fabricated Magnifying Maxwell Fisheye Lenses. <i>Photonics</i> , <b>2016</b> , 3, 8	2.2	1
22	Normal state specific heat of a core-shell aluminum-alumina metamaterial composite with enhanced Tc. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
21	Enhancement of Unruh effect near hyperbolic metamaterials. <i>Europhysics Letters</i> , <b>2021</b> , 133, 18001	1.6	1
20	Gradient-index nanophotonics. <i>Journal of Optics (United Kingdom)</i> , <b>2021</b> , 23, 095002	1.7	1
19	The flexibility of optical metrics. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33, 165008	3.3	0
18	Light emission from a tunneling junction as a physical clock for tunneling time. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2009</b> , 373, 2021-2024	2.3	0
17	Optical second harmonic generation near a black hole horizon as possible source of experimental information on quantum gravitational effects. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2002</b> , 300, 375-380	2.3	0
16	Effect of Fast Scale Factor Fluctuations on Cosmological Evolution. <i>Universe</i> , <b>2021</b> , 7, 164	2.5	0
15	Effect of metamaterial engineering on the superconductive properties of ultrathin layers of NbTiN. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 073901	2.5	0
14	Analogue Quantum Gravity in Hyperbolic Metamaterials. <i>Universe</i> , <b>2022</b> , 8, 242	2.5	0
13	Black hole in a waveguide: Hawking radiation or self-phase modulation?. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 075504	1.7	
12	Hyperbolic Metamaterials. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , <b>2017</b> , 87-138	0.1	
11	Thermally Induced Effective Spacetimes in Self-Assembled Hyperbolic Metamaterials. <i>Universe</i> , <b>2017</b> , 3, 23	2.5	
10	Extra-Dimensional Metamaterials A Model of Inflation Due to a Metric Signature Transition. <i>Universe</i> , <b>2017</b> , 3, 66	2.5	
9	Cloaking 316-385		
8	Near-field optical imaging of periodic plasmon sources. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2002</b> , 300, 97-100	2.3	
7	Single-photon tunneling in photonic crystals with deep defect states. <i>Optics Letters</i> , <b>2003</b> , 28, 93-5	3	
6	Studies of free-space optical links through simulated boundary layer and long-path turbulence <b>2004</b> , 5237, 127		

- 5 Polarization dependencies of the enhanced optical transmission through surface polaritonic crystals **2004**, 5554, 197
- 4 Super-Resolution Microscopy Techniques Based on Plasmonics and Transformation Optics **2019**, 313-343
- 3 Optical Super-Resolution Imaging Using Surface Plasmon Polaritons **2017**, 165-189
- 2 Fractional Effective Charges and Misner-Wheeler Charge without Charge Effect in Metamaterials. *Photonics*, **2016**, 3, 43 2.2
- 1 Enhancement of Coulomb blockade in epsilon near zero and hyperbolic metamaterials. *Physica C: Superconductivity and Its Applications*, **2019**, 556, 14-18 1.3