

Stefan Enoch

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

6,966
citations

40
h-index

80
g-index

209
ext. papers

7,987
ext. citations

3.4
avg, IF

5.8
L-index

#	Paper	IF	Citations
174	Reply to Comments on A Semi-Analytical Model of High-Permittivity Dielectric Ring Resonators for Magnetic Resonance Imaging <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
173	Hilbert fractal inspired dipoles for passive RF shimming in ultra-high field MRI. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022 , 48, 100988	2.6	0
172	Ceramic Coils for MR Microscopy 2022 , 25-47		
171	Complete Electromagnetic Dyadic Green Function Characterization in a Complex Environment Resonant Dipole-Dipole Interaction and Cooperative Effects. <i>Physical Review X</i> , 2021 , 11,	9.1	2
170	Decoupling of Closely Spaced Dipole Antennas for Ultrahigh Field MRI With Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1094-1106	4.9	5
169	Design considerations for a new generation of SiPMs with unprecedented timing resolution. <i>Journal of Instrumentation</i> , 2021 , 16, P02019-P02019	1	4
168	Constructive Near-Field Interference Effect in a Birdcage MRI Coil with an Artificial Magnetic Shield. <i>Physical Review Applied</i> , 2020 , 13,	4.3	1
167	Radio Frequency Coil for Dual-Nuclei MR Muscle Energetics Investigation Based on Two Capacitively Coupled Periodic Wire Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 721-725	3.8	1
166	CMOS-compatible all-dielectric metalens for improving pixel photodetector arrays. <i>APL Photonics</i> , 2020 , 5, 116105	5.2	8
165	A practical realization of an artificial magnetic shield for preclinical birdcage RF coils. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012085	0.3	
164	Imaging of two samples with a single transmit/receive channel using coupled ceramic resonators for MR microscopy at 17.2 T. <i>NMR in Biomedicine</i> , 2020 , 33, e4397	4.4	6
163	Emergence of seismic metamaterials: Current state and future perspectives. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126034	2.3	32
162	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6317-6329	4.9	7
161	Enhancing surface coil sensitive volume with hybridized electric dipoles at 17.2 T. <i>Journal of Magnetic Resonance</i> , 2019 , 307, 106567	3	2
160	The influence of building interactions on seismic and elastic body waves. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 18	0.8	9
159	Systematic Analysis of the Improvements in Magnetic Resonance Microscopy with Ferroelectric Composite Ceramics. <i>Advanced Materials</i> , 2019 , 31, e1900912	24	13
158	Controlling frequency dispersion in electromagnetic invisibility cloaks. <i>Scientific Reports</i> , 2019 , 9, 6022	4.9	8

157	Acoustic flat lensing using an indefinite medium. <i>Physical Review B</i> , 2019 , 99,	3.3	6
156	Direct Imaging of the Energy-Transfer Enhancement between Two Dipoles in a Photonic Cavity. <i>Physical Review X</i> , 2019 , 9,	9.1	12
155	Wireless coils based on resonant and nonresonant coupled-wire structure for small animal multinuclear imaging. <i>NMR in Biomedicine</i> , 2019 , 32, e4079	4.4	8
154	Role of nanophotonics in the birth of seismic megastructures. <i>Nanophotonics</i> , 2019 , 8, 1591-1605	6.3	5
153	Photosensitive chalcogenide metasurfaces supporting bound states in the continuum. <i>Optics Express</i> , 2019 , 27, 33847-33853	3.3	15
152	Enhancement of transmit and receive efficiencies with hybridized meta-atom in 7T head coil array 2019 ,		1
151	Compressed perovskite aqueous mixtures near their phase transitions show very high permittivities: New prospects for high-field MRI dielectric shimming. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1753-1765	4.4	14
150	How to advantageously manage the effective ellipticity of seismic waves in metamaterials?. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 365, 042063	0.4	
149	Mimicking Electromagnetic Wave Coupling in Tokamak Plasma with Fishnet Metamaterials. <i>Scientific Reports</i> , 2018 , 8, 5841	4.9	1
148	A Novel Metamaterial-Inspired RF-coil for Preclinical Dual-Nuclei MRI. <i>Scientific Reports</i> , 2018 , 8, 9190	4.9	18
147	Kerker Effect in Ultrahigh-Field Magnetic Resonance Imaging. <i>Physical Review X</i> , 2018 , 8,	9.1	12
146	Metamaterial-like transformed urbanism. <i>Innovative Infrastructure Solutions</i> , 2017 , 2, 1	2.3	12
145	Spanning the scales of mechanical metamaterials using time domain simulations in transformed crystals, graphene flakes and structured soils. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 433004	1.8	6
144	Measurement and simulation of the polarization-dependent Purcell factor in a microwave fishnet metamaterial. <i>Physical Review B</i> , 2017 , 95,	3.3	12
143	Type of dike using C-shaped vertical cylinders. <i>Physical Review B</i> , 2017 , 96,	3.3	7
142	Seismic Metamaterials: Controlling Surface Rayleigh Waves Using Analogies with Electromagnetic Metamaterials. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2017 , 301-337	0.1	2
141	Polarizability expressions for predicting resonances in plasmonic and Mie scatterers. <i>Physical Review A</i> , 2017 , 95,	2.6	7
140	Clamped seismic metamaterials: ultra-low frequency stop bands. <i>New Journal of Physics</i> , 2017 , 19, 063022g		67

139	Stacked magnetic resonators for MRI RF coils decoupling. <i>Journal of Magnetic Resonance</i> , 2017 , 275, 11-18	3	16
138	A metamaterial-inspired MR antenna independently tunable at two frequencies 2017 ,		1
137	Flat lens effect on seismic waves propagation in the subsoil. <i>Scientific Reports</i> , 2017 , 7, 18066	4.9	22
136	Free-Space Characterization of the Permeability of Inhomogeneous Magneto-Dielectric Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5035-5045	4.1	1
135	Sols structurés sous sollicitation dynamique : des matériaux en géotechnique. <i>Revue Française De Géotechnique</i> , 2017 , 4	0.1	4
134	Wavelength-scale light concentrator made by direct 3D laser writing of polymer metamaterials. <i>Scientific Reports</i> , 2016 , 6, 33627	4.9	19
133	A dual-frequency MRI coil for small animal imaging at 7 Tesla based on metamaterial-inspired wire structures 2016 ,		1
132	Seismic waves damping with arrays of inertial resonators. <i>Extreme Mechanics Letters</i> , 2016 , 8, 30-37	3.9	59
131	Cyclic concentrator, carpet cloaks and fisheye lens via transformation plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 044023	1.7	6
130	Chapter 8 Experiments on Cloaking for Surface Water Waves 2016 , 287-312		
129	Control of Rayleigh-like waves in thick plate Willis metamaterials. <i>AIP Advances</i> , 2016 , 6, 121707	1.5	19
128	Cloaking a vertical cylinder via homogenization in the mild-slope equation. <i>Journal of Fluid Mechanics</i> , 2016 , 796,	3.7	16
127	Molding acoustic, electromagnetic and water waves with a single cloak. <i>Scientific Reports</i> , 2015 , 5, 10678	4.9	27
126	Single frequency microwave cloaking and subwavelength imaging with curved wired media. <i>Optics Express</i> , 2015 , 23, 10319-26	3.3	3
125	Development of 3D photonic crystals using sol-gel process for high power laser applications 2015 ,		1
124	Dynamic effective anisotropy: Asymptotics, simulations, and microwave experiments with dielectric fibers. <i>Physical Review B</i> , 2015 , 92,	3.3	7
123	Electromagnetic sunscreen model: design of experiments on particle specifications. <i>Applied Optics</i> , 2015 , 54, 8369-74	0.2	0
122	Time-driven superoscillations with negative refraction. <i>Physical Review Letters</i> , 2015 , 114, 013902	7.4	31

121	Numerical and experimental study of an invisibility carpet in a water channel. <i>Physical Review E</i> , 2015 , 91, 023010	2.4	18
120	Auxetic-like metamaterials as novel earthquake protections. <i>EPJ Applied Metamaterials</i> , 2015 , 2, 17	0.8	16
119	Invisible waveguides on metal plates for plasmonic analogs of electromagnetic wormholes. <i>Physical Review A</i> , 2014 , 90,	2.6	12
118	Experiments on seismic metamaterials: molding surface waves. <i>Physical Review Letters</i> , 2014 , 112, 133901	4.4	308
117	Platonic scattering cancellation for bending waves in a thin plate. <i>Scientific Reports</i> , 2014 , 4, 4644	4.9	24
116	Transformation Optics of Surface Plasmon Polaritons. <i>Handbook of Surface Science</i> , 2014 , 4, 279-307		
115	Biharmonic split ring resonator metamaterial: Artificially dispersive effective density in thin periodically perforated plates. <i>Europhysics Letters</i> , 2014 , 107, 44002	1.6	5
114	Scattering by complex inhomogeneous objects: a first-order reciprocity method. <i>Optics Express</i> , 2014 , 22, 16558-70	3.3	3
113	Electromagnetic sunscreen model: implementation and comparison between several methods: step-film model, differential method, Mie scattering, and scattering by a set of parallel cylinders. <i>Applied Optics</i> , 2014 , 53, 6537-45	1.7	1
112	Sun protection and hydration of stratum corneum: a study by 2-D differential method. <i>International Journal of Cosmetic Science</i> , 2014 , 36, 436-41	2.7	1
111	Flat lens for pulse focusing of elastic waves in thin plates. <i>Applied Physics Letters</i> , 2013 , 103, 071915	3.4	70
110	Plasmon assisted thermal modulation in nanoparticles. <i>Optics Express</i> , 2013 , 21, 12145-58	3.3	19
109	Cloaking Liquid Surface Waves and Plasmon Polaritons. <i>Springer Series in Materials Science</i> , 2013 , 267-288.	9	
108	Surface and bulk scattering by magnetic and dielectric inhomogeneities: a first-order method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 1772-9	1.8	2
107	Transformation plasmonics. <i>Nanophotonics</i> , 2012 , 1, 51-64	6.3	29
106	Frequency-selective surface acoustic invisibility for three-dimensional immersed objects. <i>Physical Review B</i> , 2012 , 86,	3.3	17
105	Broadband cloaking of bending waves via homogenization of multiply perforated radially symmetric and isotropic thin elastic plates. <i>Physical Review B</i> , 2012 , 85,	3.3	48
104	Enhanced control of light and sound trajectories with three-dimensional gradient index lenses. <i>New Journal of Physics</i> , 2012 , 14, 035011	2.9	31

103 An Introduction to Mathematics of Transformational Plasmonics **2012**, 235-277

102 Controlling surface plasmon polaritons in transformed coordinates. *Journal of Modern Optics*, **2011**, 58, 994-1003 1.1 16

101 Understanding the functionality of an array of invisibility cloaks. *Physical Review B*, **2011**, 84, 3.3 15

100 Plasmonic space folding: focusing surface plasmons via negative refraction in complementary media. *ACS Nano*, **2011**, 5, 6819-25 16.7 37

99 Focussing light through a stack of toroidal channels in PMMA. *Optics Express*, **2011**, 19, 16154-9 3.3 3

98 Plasmonic interaction of visible light with gold nanoscale checkerboards. *Physical Review B*, **2011**, 84, 3.3 18

97 TRANSFORMATION ELECTROMAGNETISM **2011**, 239-262

96 Curved trajectories on transformed metal surfaces: Beam-splitter, invisibility carpet and black hole for surface plasmon polaritons. *Photonics and Nanostructures - Fundamentals and Applications*, **2011**, 9, 302-307 2.6 12

95 Finite elements modelling of scattering problems for flexural waves in thin plates: Application to elliptic invisibility cloaks, rotators and the mirage effect. *Journal of Computational Physics*, **2011**, 230, 2237-2245 4.1 7

94 The colours of cloaks. *Journal of Optics (United Kingdom)*, **2011**, 13, 024014 1.7 45

93 Numerical analysis of three-dimensional acoustic cloaks and carpets. *Wave Motion*, **2011**, 48, 483-496 1.8 22

92 Acoustic scattering cancellation via ultrathin pseudo-surface. *Applied Physics Letters*, **2011**, 99, 191913 3.4 24

91 Non-singular arbitrary cloaks dressing three-dimensional anisotropic obstacles. *Journal of Modern Optics*, **2011**, 58, 786-795 1.1 2

90 Focussing bending waves via negative refraction in perforated thin plates. *Applied Physics Letters*, **2010**, 96, 081909 3.4 62

89 Broadband cloaking and mirages with flying carpets. *Optics Express*, **2010**, 18, 11537-51 3.3 9

88 Transformational plasmonics: cloak, concentrator and rotator for SPPs. *Optics Express*, **2010**, 18, 12027-33 3.3 52

87 Design and properties of dielectric surface plasmon Bragg mirrors. *Optics Express*, **2010**, 18, 14496-510 3.3 73

86 Hidden progress: broadband plasmonic invisibility. *Optics Express*, **2010**, 18, 15757-68 3.3 69

85	High directivity and confinement of flexural waves through ultra-refraction in thin perforated plates. <i>Europhysics Letters</i> , 2010 , 91, 54003	1.6	30
84	From transformational optics to plasmonics 2010 ,		1
83	Electromagnetic analysis of arbitrarily shaped pinched carpets. <i>Physical Review A</i> , 2010 , 82,	2.6	9
82	Perfect lenses and corners for flexural waves. <i>Physica B: Condensed Matter</i> , 2010 , 405, 2947-2949	2.8	2
81	All-angle-negative-refraction and ultra-refraction for liquid surface waves in 2D phononic crystals. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 234, 2011-2019	2.4	26
80	Compensation of loss to approach ϵ effective index by gain in metal-dielectric stacks. <i>EPJ Applied Physics</i> , 2009 , 46, 32603	1.1	9
79	Directive emission from defect-free dodecagonal photonic quasicrystals: A leaky wave characterization. <i>Physical Review B</i> , 2009 , 79,	3.3	16
78	Metamaterial-induced band-gap of surface plasmon propagation. <i>Journal of Optics</i> , 2009 , 11, 114018		0
77	Absorption of light by extremely shallow metallic gratings: metamaterial behavior. <i>Optics Express</i> , 2009 , 17, 6770-81	3.3	52
76	Revolution analysis of three-dimensional arbitrary cloaks. <i>Optics Express</i> , 2009 , 17, 22603-8	3.3	12
75	Local observation of plasmon focusing in Talbot carpets. <i>Optics Express</i> , 2009 , 17, 23772-84	3.3	33
74	Negative refraction, surface modes, and superlensing effect via homogenization near resonances for a finite array of split-ring resonators. <i>Physical Review E</i> , 2009 , 80, 046309	2.4	23
73	Ultrabroadband elastic cloaking in thin plates. <i>Physical Review Letters</i> , 2009 , 103, 024301	7.4	311
72	Quasi-TEM modes in rectangular waveguides: a study based on the properties of PMC and hard surfaces. <i>Journal of Modern Optics</i> , 2009 , 56, 530-538	1.1	2
71	Cloaking bending waves propagating in thin elastic plates. <i>Physical Review B</i> , 2009 , 79,	3.3	108
70	Two-dimensional complete band gaps in one-dimensional metal-dielectric periodic structures. <i>Applied Physics Letters</i> , 2008 , 92, 053104	3.4	7
69	Why a harmonic solution for lossless, perfectly homogeneous, left-handed material cannot exist. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008 , 25, 1937-43	1.8	4
68	Solutions of Maxwell's equations in presence of lamellar gratings including infinitely conducting metal. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008 , 25, 3099-110 ⁸	1.8	2

67	Achieving invisibility over a finite range of frequencies. <i>Optics Express</i> , 2008 , 16, 5656-61	3.3	47
66	Total absorption of light by lamellar metallic gratings. <i>Optics Express</i> , 2008 , 16, 15431-8	3.3	80
65	Investigation of Extracting Photonic Crystal Lattices for Guided Modes of GaAs-Based Heterostructures. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 777-789	2	17
64	Aperiodic-Tiling-Based Mushroom-Type High-Impedance Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 54-57	3.8	2
63	A homogenization route towards square cylindrical acoustic cloaks. <i>New Journal of Physics</i> , 2008 , 10, 115030	2.9	42
62	Analytical and numerical analysis of lensing effect for linear surface water waves through a square array of nearly touching rigid square cylinders. <i>Physical Review E</i> , 2008 , 77, 046308	2.4	24
61	Broadband cylindrical acoustic cloak for linear surface waves in a fluid. <i>Physical Review Letters</i> , 2008 , 101, 134501	7.4	265
60	Finite wavelength cloaking by plasmonic resonance. <i>New Journal of Physics</i> , 2008 , 10, 115020	2.9	32
59	Modelling of a single object embedded in a layered medium. <i>Journal of Modern Optics</i> , 2007 , 54, 871-879	1.1	1
58	InGaN green light emitting diodes with deposited nanoparticles. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2007 , 5, 86-90	2.6	19
57	Cloaking and imaging effects in plasmonic checkerboards of negative ϵ and μ and dielectric photonic crystal checkerboards. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2007 , 5, 63-72	2.6	14
56	Stacking patterns in self-assembly opal photonic crystals. <i>Applied Physics Letters</i> , 2007 , 90, 161131	3.4	39
55	Mystery of the double limit in homogenization of finitely or perfectly conducting periodic structures. <i>Optics Letters</i> , 2007 , 32, 3441-3	3	12
54	Comparison of plasmon surface waves on shallow and deep metallic 1D and 2D gratings. <i>Optics Express</i> , 2007 , 15, 4224-37	3.3	56
53	Non-Bloch plasmonic stop-band in real-metal gratings. <i>Optics Express</i> , 2007 , 15, 6241-50	3.3	6
52	Towards -1 effective index with one-dimensional metal-dielectric metamaterial: a quantitative analysis of the role of absorption losses. <i>Optics Express</i> , 2007 , 15, 7720-9	3.3	19
51	Coupling localized and extended plasmons to improve the light extraction through metal films. <i>Optics Express</i> , 2007 , 15, 10533-9	3.3	51
50	Plasmon surface waves and complex-type surface waves: comparative analysis of single interfaces, lamellar gratings, and two-dimensional hole arrays. <i>Applied Optics</i> , 2007 , 46, 154-60	1.7	2

49	Confining light with negative refraction in checkerboard metamaterials and photonic crystals. <i>Physical Review A</i> , 2007 , 75,	2.6	24
48	A Comparative Study of Representative Categories of EBG Dielectric Quasi-Crystals. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2006 , 5, 331-334	3.8	16
47	Photonic crystal lens: from negative refraction and negative index to negative permittivity and permeability. <i>Physical Review Letters</i> , 2006 , 97, 073905	7.4	76
46	Strong modification of the nonlinear optical response of metallic subwavelength hole arrays. <i>Physical Review Letters</i> , 2006 , 97, 146102	7.4	169
45	A metallic Fabry-Perot directive antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 220-224	11.5	
44	Localized modes in photonic quasicrystals with Penrose-type lattice. <i>Optics Express</i> , 2006 , 14, 10021-7	3.3	45
43	Polarization insensitive blazed diffraction gratings. <i>Journal of the European Optical Society-Rapid Publications</i> , 2006 , 1,	2.5	1
42	Analysis of the physical origin of surface modes on finite-size photonic crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	24
41	Simple layer-by-layer photonic crystal for the control of thermal emission. <i>Applied Physics Letters</i> , 2005 , 86, 261101	3.4	52
40	Photonic crystal surface modes narrow-band filtering. <i>Optics Express</i> , 2005 , 13, 5783-90	3.3	5
39	Electromagnetic coupling between a metal nanoparticle grating and a metallic surface. <i>Optics Letters</i> , 2005 , 30, 3404-6	3	127
38	Role of shape and localized resonances in extraordinary transmission through periodic arrays of subwavelength holes: Experiment and theory. <i>Physical Review B</i> , 2005 , 72,	3.3	243
37	Scattering Matrix Method Applied to Photonic Crystals. <i>Optical Science and Engineering</i> , 2005 ,		1
36	Metamaterials: from microwaves to the visible region. <i>Comptes Rendus Physique</i> , 2005 , 6, 693-701	1.4	4
35	Band gap formation and multiple scattering in photonic quasicrystals with a Penrose-type lattice. <i>Physical Review Letters</i> , 2005 , 94, 183903	7.4	84
34	Strong influence of hole shape on extraordinary transmission through periodic arrays of subwavelength holes. <i>Physical Review Letters</i> , 2004 , 92, 183901	7.4	496
33	Perfect lenses made with left-handed materials: Alice's mirror?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004 , 21, 122-31	1.8	74
32	Combined fictitious-sources-scattering-matrix method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004 , 21, 1417-23	1.8	31

31	Optical sensing based on plasmon coupling in nanoparticle arrays. <i>Optics Express</i> , 2004 , 12, 3422-7	3.3	161
30	Enhanced transmission due to nonplasmon resonances in one- and two-dimensional gratings. <i>Applied Optics</i> , 2004 , 43, 999-1008	1.7	25
29	Ultrarefraction and negative refraction in metamaterials 2004 ,		3
28	Dispersion Diagrams of Bloch Modes Applied to the Design of Directive Sources. <i>Progress in Electromagnetics Research</i> , 2003 , 41, 61-81	3.8	13
27	Theoretical study of photonic band gaps in woodpile crystals. <i>Physical Review E</i> , 2003 , 67, 066601	2.4	25
26	Structural Colors in Nature and Butterfly-Wing Modeling. <i>Optics and Photonics News</i> , 2003 , 14, 38	1.9	23
25	Resonant optical transmission through thin metallic films with and without holes. <i>Optics Express</i> , 2003 , 11, 482-90	3.3	153
24	Self-guiding in two-dimensional photonic crystals. <i>Optics Express</i> , 2003 , 11, 1203-11	3.3	164
23	The richness of the dispersion relation of electromagnetic bandgap materials. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 2659-2666	4.9	38
22	Enhanced emission with angular confinement from photonic crystals. <i>Applied Physics Letters</i> , 2002 , 81, 1588-1590	3.4	52
21	Self-guiding in two-dimensional photonic crystals 2002 ,		1
20	Enhanced light transmission by hole arrays. <i>Journal of Optics</i> , 2002 , 4, S83-S87		41
19	Radiating dipoles in woodpile and simple cubic structures 2002 ,		2
18	From scattering or impedance matrices to Bloch modes of photonic crystals. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002 , 19, 1547-54	1.8	23
17	A metamaterial for directive emission. <i>Physical Review Letters</i> , 2002 , 89, 213902	7.4	797
16	Color rendering techniques applied to the study of butterflies wings 2002 ,		1
15	3D crystals dispersion relation: improved convergence using fast Fourier factorization (FFF) method 2001 ,		1
14	Sums of spherical waves for lattices, layers, and lines. <i>Journal of Mathematical Physics</i> , 2001 , 42, 5859-5870		10

13	Highly directive light sources using two-dimensional photonic crystal slabs. <i>Applied Physics Letters</i> , 2001 , 79, 4280-4282	3.4	48
12	Morpho butterflies wings color modeled with lamellar grating theory. <i>Optics Express</i> , 2001 , 9, 567-78	3.3	120
11	Combined Method for the Computation of the Doubly Periodic Green's Function. <i>Journal of Electromagnetic Waves and Applications</i> , 2001 , 15, 205-221	1.3	19
10	Electromagnetic Modelling of Dielectric and Metallic Photonic Crystals 2001 , 241-256		1
9	Anomalous refractive properties of photonic crystals. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000 , 17, 1012-20	1.8	291
8	Theory of light transmission through subwavelength periodic hole arrays. <i>Physical Review B</i> , 2000 , 62, 16100-16108	3.3	316
7	Numerical evidence of ultrarefractive optics in photonic crystals. <i>Optics Communications</i> , 1999 , 161, 171-176		42
6	Second harmonic scattered light from a zinc-sulfide thin film. <i>Optics Communications</i> , 1999 , 161, 177-181		3
5	Second-harmonic scattered light from one-dimensional rough thin films. <i>Optics Communications</i> , 1998 , 148, 137-143	2	3
4	Second-harmonic generation in multilayered devices: theoretical tools. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 1030	1.7	12
3	Second-harmonic specular and scattered generated light: application to the experimental study of zinc-sulfide thin films. <i>Applied Optics</i> , 1997 , 36, 6319-24	1.7	3
2	Bistable prism coupler with both second- and third-order nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 588	1.7	5
1	Superprism Effects and EBG Antenna Applications 261-283		1