Nader Engheta

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.

391 papers	26,419 citations	80 h-index	154 g-index
488 ext. papers	31,164 ext. citations	6.5 avg, IF	7.82 L-index

#	Paper	IF	Citations
391	Tunable radiation enhancement and suppression using a pair of photonically doped epsilon-near-zero (ENZ) slabs.. *Optics Letters*, **2022**, 47, 1319-1322	3	1
390	Experimental demonstration of deeply subwavelength dielectric sensing with epsilon-near-zero (ENZ) waveguides. *Applied Physics Letters*, **2022**, 120, 081106	3.4	0
389	How does light behave in a material whose refractive index vanishes?. *Physics Today*, **2022**, 75, 62-63	0.9	1
388	Momentum considerations inside near-zero index materials.. *Light: Science and Applications*, **2022**, 11, 110	16.7	3
387	A single inverse-designed photonic structure that performs parallel computing. *Nature Communications*, **2021**, 12, 1466	17.4	14
386	Functional analysis of the polarization response in linear time-varying media: A generalization of the Kramers-Kronig relations. *Physical Review B*, **2021**, 103,	3.3	13
385	Antireflection temporal coatings: reply. *Optica*, **2021**, 8, 826	8.6	1
384	Nonreciprocal guided waves in the presence of swift electron beams. *Physical Review B*, **2021**, 103,	3.3	3
383	A Fully Integrated Sensor-Brain-Machine Interface System for Restoring Somatosensation. *IEEE Sensors Journal*, **2021**, 21, 4764-4775	4	8
382	Solving integral equations with inverse-designed metagratings at optical wavelengths **2021**,		1
381	Time-varying materials in the presence of dispersion: plane-wave propagation in a Lorentzian medium with temporal discontinuity. *Photonics Research*, **2021**, 9, 1842	6	13
380	Exploiting space-time duality in the synthesis of impedance transformers via temporal metamaterials. *Nanophotonics*, **2021**,	6.3	12
379	Spatiotemporal isotropic-to-anisotropic meta-atoms. *New Journal of Physics*, **2021**, 23, 095006	2.9	10
378	Non-Hermitian doping of epsilon-near-zero media. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13921-13928	11.5	8
377	Possibility for inhibited spontaneous emission in electromagnetically open parity-time-symmetric guiding structures. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 5576-5581	11.5	6
376	Nonlinear metamaterial absorbers enabled by photonic doping of epsilon-near-zero metastructures. *Physical Review B*, **2020**, 102,	3.3	6
375	General Impedance Matching via Doped Epsilon-Near-Zero Media. *Physical Review Applied*, **2020**, 13,	4.3	15

374	Electromagnetic Funnel: Reflectionless Transmission and Guiding of Waves through Subwavelength Apertures. *Physical Review Letters*, **2020**, 124, 033901	7.4	2
373	Soft surfaces and enhanced nonlinearity enabled via epsilon-near-zero media doped with zero-area perfect electric conductor inclusions. *Optics Letters*, **2020**, 45, 4591-4594	3	3
372	Antireflection temporal coatings. *Optica*, **2020**, 7, 323	8.6	53
371	Metamaterials with high degrees of freedom: space, time, and more. *Nanophotonics*, **2020**, 10, 639-642	6.3	27
370	Inverse designed metagratings for far-field integral equations solving **2020**,		1
369	Tailoring of modal losses in anisotropic 2D material ribbons by regulating material absorption. *Journal of the Optical Society of America B: Optical Physics*, **2020**, 37, 3681	1.7	1
368	Metamaterials: Two Decades Past and Into Their Electromagnetics Future and Beyond. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1232-1237	4.9	10
367	Effective medium concept in temporal metamaterials. *Nanophotonics*, **2020**, 9, 379-391	6.3	32
366	Topological Insulator Antenna Arrays. *ACS Photonics*, **2020**, 7, 2244-2251	6.3	7
365	Temporal aiming. *Light: Science and Applications*, **2020**, 9, 129	16.7	36
364	Fundamental Radiative Processes in Near-Zero-Index Media of Various Dimensionalities. *ACS Photonics*, **2020**, 7, 1965-1970	6.3	17
363	Extreme-Parameter Non-Hermitian Dielectric Metamaterials. *ACS Photonics*, **2020**, 7, 2578-2588	6.3	7
362	Achieving asymmetry and trapping in diffusion with spatiotemporal metamaterials. *Nature Communications*, **2020**, 11, 3733	17.4	22
361	Surface Electromagnetics: With Applications in Antennas, Microwave, and Optical Engineering [Book Review]. *IEEE Antennas and Propagation Magazine*, **2020**, 62, 138-139	1.7	
360	Near-zero-index media as electromagnetic ideal fluids. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 24050-24054	11.5	10
359	Substrate-integrated photonic doping for near-zero-index devices. *Nature Communications*, **2019**, 10, 4132	17.4	18
358	Nonperturbative Effective Magnetic Nonlinearity in ENZ Media Doped with Kerr Dielectric Inclusions. *ACS Photonics*, **2019**, 6, 2823-2831	6.3	10
357	On the performance of an ENZ-based sensor using transmission line theory and effective medium approach. *New Journal of Physics*, **2019**, 21, 043056	2.9	22

356	Inverse-designed metastructures that solve equations. *Science*, **2019**, 363, 1333-1338	33.3	198
355	Nonreciprocal Emission in Magnetized Epsilon-Near-Zero Metamaterials. *ACS Photonics*, **2019**, 6, 581-586	6.3	16
354	Structural dispersion-based reduction of loss in epsilon-near-zero and surface plasmon polariton waves. *Science Advances*, **2019**, 5, eaav3764	14.3	18
353	Polaritonic Hybrid-Epsilon-near-Zero Modes: Beating the Plasmonic Confinement vs Propagation-Length Trade-Off with Doped Cadmium Oxide Bilayers. *Nano Letters*, **2019**, 19, 948-957	11.5	42
352	Plasmonic Optical and Chiroptical Response of Self-Assembled Au Nanorod Equilateral Trimers. *ACS Nano*, **2019**, 13, 1617-1624	16.7	41
351	Manipulating thermal emission with spatially static fluctuating fields in arbitrarily shaped epsilon-near-zero bodies. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2878-2883	11.5	24
350	Multiqubit subradiant states in N-port waveguide devices: □-and-□near-zero hubs and nonreciprocal circulators. *Physical Review A*, **2018**, 97,	2.6	11
349	Ultralight Angstrom-Scale Optimal Optical Reflectors. *ACS Photonics*, **2018**, 5, 384-389	6.3	8
348	Optical emission near a high-impedance mirror. *Nature Communications*, **2018**, 9, 3224	17.4	3
347	Reconfigurable epsilon-near-zero metasurfaces via photonic doping. *Nanophotonics*, **2018**, 7, 1117-1127	6.3	24
346	All-metallic epsilon-near-zero graded-index converging lens at terahertz frequencies **2018**,		4
345	Capacitor-Inspired Metamaterial Inductors. *Physical Review Applied*, **2018**, 10,	4.3	18
344	Salient Features of Temporal and Spatio-Temporal Metamaterials **2018**,		1
343	Nanoimprinted Chiral Plasmonic Substrates with Three-Dimensional Nanostructures. *Nano Letters*, **2018**, 18, 7389-7394	11.5	25
342	Traditional and emerging materials for optical metasurfaces. *Nanophotonics*, **2017**, 6, 452-471	6.3	81
341	Zero-index structures as an alternative platform for quantum optics. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 822-827	11.5	32
340	Magnetic field concentration assisted by epsilon-near-zero media. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	6
339	Photonic doping of epsilon-near-zero media. *Science*, **2017**, 355, 1058-1062	33.3	126

338	Near-zero refractive index photonics. *Nature Photonics*, **2017**, 11, 149-158	33.9	430
337	Plasmon Resonances in Self-Assembled Two-Dimensional Au Nanocrystal Metamolecules. *ACS Nano* , **2017**, 11, 2917-2927	16.7	51
336	In pursuit of waves. *Nature Nanotechnology*, **2017**, 12, 394	28.7	
335	Experimental verification of waveguide plasmonics. *New Journal of Physics*, **2017**, 19, 123017	2.9	15
334	Control of light by curved space in nanophotonic structures. *Nature Photonics*, **2017**, 11, 664-670	33.9	49
333	Experimental Realization of an Epsilon-Near-Zero Graded-Index Metalens at Terahertz Frequencies. *Physical Review Applied*, **2017**, 8,	4.3	42
332	Young Double-Slit, Invisible Objects and the Role of Noise in an Optical Epsilon-near-Zero Experiment. *ACS Photonics*, **2017**, 4, 2566-2572	6.3	2
331	Dispersion synthesis with multi-ordered metatronic filters. *Optics Express*, **2017**, 25, 1937-1948	3.3	8
330	Enabling a new degree of wave control with metamaterials: a personal perspective. *Journal of Optics (United Kingdom)*, **2017**, 19, 084008	1.7	5
329	High-strength magnetically switchable plasmonic nanorods assembled from a binary nanocrystal mixture. *Nature Nanotechnology*, **2017**, 12, 228-232	28.7	56
328	The rise of near-zero-index technologies. *Science*, **2017**, 358, 1540-1541	33.3	48
327	Transparent metasurface with prescribed aperture field **2017**,		1
326	The Role of Commercial Simulators and Multidisciplinary Training in Graduate-Level Electromagnetics Education [Education Corner]. *IEEE Antennas and Propagation Magazine*, **2017**, 59, 127-130	1.7	2
325	Dipole-dipole interactions mediated by epsilon-and-mu-near-zero waveguide supercoupling [Invited]. *Optical Materials Express*, **2017**, 7, 415	2.6	22
324	Dipole-dipole interactions mediated by epsilon-and-mu-near-zero waveguide supercoupling: publisher note. *Optical Materials Express*, **2017**, 7, 1096	2.6	3
323	Asymmetrical Diffusion through Time-Varying Material Parameters **2017**,		3
322	Extreme Platforms for Metaphotonics **2017**,		1
321	Metatronic analogues of the Wheatstone bridge. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, A72	1.7	8

320	Extremely small wavevector regime in a one-dimensional photonic crystal heterostructure for angular transmission filtering. *Optics Letters*, **2016**, 41, 3829-32	3	34
319	Correction to Helical Plasmonic Nanostructures as Prototypical Chiral Near-Field Sources. *ACS Photonics*, **2016**, 3, 2000-2002	6.3	2
318	Plasmonics without negative dielectrics. *Physical Review B*, **2016**, 93,	3.3	47
317	Waveguide metatronics: Lumped circuitry based on structural dispersion. *Science Advances*, **2016**, 2, e1501790	14.3	41
316	Geometry-invariant resonant cavities. *Nature Communications*, **2016**, 7, 10989	17.4	52
315	Microwave analogues of multi-ordered metatronic filters with waveguide metamaterials **2016**,		1
314	Imaging and Steering Unidirectional Emission from Nanoantenna Array Metasurfaces. *ACS Photonics*, **2016**, 3, 286-292	6.3	28
313	Role of epsilon-near-zero substrates in the optical response of plasmonic antennas. *Optica*, **2016**, 3, 339	8.6	112
312	3D Nanophotonic Structures Constructed in a Curved Space Inspired by General Relativity Concepts **2016**,		1
311	Curved Space Nanophotonics Inspired by General Relativity **2016**,		2
310	Dispersion engineering via nonlocal transformation optics. *Optica*, **2016**, 3, 179	8.6	21
309	Nonradiating and radiating modes excited by quantum emitters in open epsilon-near-zero cavities. *Science Advances*, **2016**, 2, e1600987	14.3	62
308	Temperature-controlled acoustic surface waves. *New Journal of Physics*, **2016**, 18, 103006	2.9	10
307	Salient Features of Deeply Subwavelength Guiding of Terahertz Radiation in Graphene-Coated Fibers. *ACS Photonics*, **2016**, 3, 737-742	6.3	24
306	Reducing the Complexity: Enantioselective Chiral Near-Fields by Diagonal Slit and Mirror Configuration. *ACS Photonics*, **2016**, 3, 1076-1084	6.3	50
305	Zero-Index Platforms: Where Light Defies Geometry. *Optics and Photonics News*, **2016**, 27, 26	1.9	24
304	Structuring band-pass dispersion with cascaded high- and low-pass optical metatronic metasurfaces **2016**,		1
303	Roadmap on optical metamaterials. *Journal of Optics (United Kingdom)*, **2016**, 18, 093005	1.7	89

302	Two cases of spatial transformations. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	1
301	OPTICS. 150 years of Maxwell's equations. *Science*, **2015**, 349, 136-7	33.3	7
300	PT-symmetry-induced wave confinement and guiding in μ-near-zero metamaterials. *Physical Review B*, **2015**, 91,	3.3	48
299	Plasmonic and new plasmonic materials: general discussion. *Faraday Discussions*, **2015**, 178, 123-49	3.6	13
298	Enhanced third-harmonic generation in Si-compatible epsilon-near-zero indium tin oxide nanolayers. *Optics Letters*, **2015**, 40, 1500-3	3	134
297	All-passive nonreciprocal metastructure. *Nature Communications*, **2015**, 6, 8359	17.4	101
296	Modeling vanadium dioxide phase transition due to continuous-wave optical signals. *Optics Express*, **2015**, 23, 445-51	3.3	30
295	Modal interference in spiky nanoshells. *Optics Express*, **2015**, 23, 11290-311	3.3	4
294	Comparative Study of Second-Harmonic Generation from Epsilon-Near-Zero Indium Tin Oxide and Titanium Nitride Nanolayers Excited in the Near-Infrared Spectral Range. *ACS Photonics*, **2015**, 2, 1584-1591	6.3	103
293	Design of a low power impulse-radio ultra-wide band wireless electrogoniometer **2015**,		3
292	Lateral forces on circularly polarizable particles near a surface. *Nature Communications*, **2015**, 6, 8799	17.4	114
291	Experimental Demonstration of a Millimeter-Wave Metallic ENZ Lens Based on the Energy Squeezing Principle. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 231-239	4.9	34
290	Metatronic transistor amplifier. *Physical Review B*, **2015**, 92,	3.3	6
289	NEMS With Broken T Symmetry: Graphene Based Unidirectional Acoustic Transmission Lines. *Scientific Reports*, **2015**, 5, 9926	4.9	14
288	SIMULATING WAVE PHENOMENA IN LARGE GRADED-PATTERN ARRAYS WITH RANDOM PERTURBATION. *Progress in Electromagnetics Research*, **2015**, 154, 127-141	3.8	1
287	μ-near-zero supercoupling. *Physical Review B*, **2015**, 91,	3.3	34
286	One-way surface states due to nonreciprocal light-line crossing. *New Journal of Physics*, **2015**, 17, 063014	2.9	10
285	Peculiar terminals in light at the extreme. *Faraday Discussions*, **2015**, 178, 37-44	3.6	1

284	Raspberry-like metamolecules exhibiting strong magnetic resonances. *ACS Nano*, **2015**, 9, 1263-70	16.7	71
283	Tunneling of obliquely incident waves through PT-symmetric epsilon-near-zero bilayers. *Physical Review B*, **2014**, 89,	3.3	67
282	Helical Plasmonic Nanostructures as Prototypical Chiral Near-Field Sources. *ACS Photonics*, **2014**, 1, 530-537	6.3	145
281	Hotspots from nonreciprocal surface waves. *Optics Letters*, **2014**, 39, 1760-3	3	31
280	Air-stable, nanostructured electronic and plasmonic materials from solution-processable, silver nanocrystal building blocks. *ACS Nano*, **2014**, 8, 2746-54	16.7	33
279	Enhanced Faraday rotation via resonant tunnelling in tri-layers containing magneto-optical metals. *Journal Physics D: Applied Physics*, **2014**, 47, 025002	3	12
278	Electric levitation using ?-near-zero metamaterials. *Physical Review Letters*, **2014**, 112, 033902	7.4	44
277	Performing mathematical operations with metamaterials. *Science*, **2014**, 343, 160-3	33.3	504
276	Electrically controlled one-way photon flow in plasmonic nanostructures. *Nature Communications*, **2014**, 5, 5250	17.4	37
275	**2014**,		1
274	Supercoupling of surface waves with □-near-zero metastructures. *Physical Review B*, **2014**, 90,	3.3	22
273	Extreme magneto-optics with graphene metasurfaces **2014**,		1
272	A long-range polarization-controlled optical tractor beam. *Nature Photonics*, **2014**, 8, 846-850	33.9	142
271	One-way phonon isolation in acoustic waveguides. *Applied Physics Letters*, **2014**, 104, 081905	3.4	66
270	Extreme and Quantized Magneto-optics with Graphene Meta-atoms and Metasurfaces. *ACS Photonics*, **2014**, 1, 1068-1073	6.3	30
269	Quadrupole-enhanced Raman scattering. *ACS Nano*, **2014**, 8, 9025-34	16.7	36
268	?-near-zero (ENZ) graded index quasi-optical devices: steering and splitting millimeter waves. *Journal of Optics (United Kingdom)*, **2014**, 16, 094009	1.7	21
267	Giant nonlinearity in zero-gap semiconductor superlattices. *Physical Review B*, **2014**, 89,	3.3	7

266	Plasmon-enhanced upconversion luminescence in single nanophosphor-nanorod heterodimers formed through template-assisted self-assembly. *ACS Nano*, **2014**, 8, 9482-91	16.7	105
265	Antireflection structure for an effective refractive index near-zero medium in a two-dimensional photonic crystal. *Physical Review B*, **2014**, 90,	3.3	9
264	Wormhole for electron waves in graphene. *Physical Review B*, **2014**, 90,	3.3	12
263	Imaging and steering an optical wireless nanoantenna link. *Nature Communications*, **2014**, 5, 4354	17.4	80
262	Solution-processed phase-change VO(2) metamaterials from colloidal vanadium oxide (VO(x)) nanocrystals. *ACS Nano*, **2014**, 8, 797-806	16.7	96
261	Tilted pillars on wrinkled elastomers as a reversibly tunable optical window. *Advanced Materials*, **2014**, 26, 4127-33	24	105
260	Bioinspired Focal-Plane Polarization Image Sensor Design: From Application to Implementation. *Proceedings of the IEEE*, **2014**, 102, 1435-1449	14.3	29
259	Digital metamaterials. *Nature Materials*, **2014**, 13, 1115-21	27	241
258	Experimental investigation of double-groove grating satisfying total internal reflection condition. *Optics Express*, **2014**, 22, 25362-70	3.3	7
257	Optical isolation via unidirectional resonant photon tunneling. *Journal of Applied Physics*, **2014**, 115, 043107	2.5	16
256	Mechanical 144 GHz beam steering with all-metallic epsilon-near-zero lens antenna. *Applied Physics Letters*, **2014**, 105, 243503	3.4	36
255	Roles of epsilon-near-zero (ENZ) and mu-near-zero (MNZ) materials in optical metatronic circuit networks. *Optics Express*, **2014**, 22, 25109-19	3.3	13
254	Wave-matter interactions in epsilon-and-mu-near-zero structures. *Nature Communications*, **2014**, 5, 5638	17.4	122
253	Design of a current mode polarization arithmetic analyzer **2014**,		1
252	A Monolithic CMOS Image Sensor With Wire-Grid Polarizer Filter Mosaic in the Focal Plane. *IEEE Transactions on Electron Devices*, **2014**, 61, 855-862	2.9	6
251	Transformation-Based Cloak/Anti-Cloak Interactions: A Review **2014**, 167-190		1
250	Nonreciprocal rotating power flow within plasmonic nanostructures. *Physical Review Letters*, **2013**, 111, 047401	7.4	42
249	Plasmonic enhancement of nanophosphor upconversion luminescence in Au nanohole arrays. *ACS Nano*, **2013**, 7, 7186-92	16.7	174

248	Near-infrared metatronic nanocircuits by design. *Physical Review Letters*, **2013**, 111, 073904	7.4	55
247	Experimental realization of an epsilon-near-zero metamaterial at visible wavelengths. *Nature Photonics*, **2013**, 7, 907-912	33.9	315
246	Spatial delocalization and perfect tunneling of matter waves: electron perfect lens. *Physical Review Letters*, **2013**, 110, 213902	7.4	21
245	Nonreciprocal passive metastructure without magnetic bias **2013**,		1
244	Theory of wave propagation in magnetized near-zero-epsilon metamaterials: evidence for one-way photonic states and magnetically switched transparency and opacity. *Physical Review Letters*, **2013**, 111, 257401	7.4	73
243	Electronically controlled optical beam-steering by an active phased array of metallic nanoantennas. *Optics Express*, **2013**, 21, 5198-208	3.3	44
242	Materials science. Pursuing near-zero response. *Science*, **2013**, 340, 286-7	33.3	220
241	Optical isolation with epsilon-near-zero metamaterials. *Optics Express*, **2013**, 21, 3279-86	3.3	65
240	Theory, Modeling and Features of Optical Nanoantennas. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 1508-1517	4.9	52
239	Experimental verification of n = 0 structures for visible light. *Physical Review Letters*, **2013**, 110, 013902	7.4	165
238	Chemically tailored dielectric-to-metal transition for the design of metamaterials from nanoimprinted colloidal nanocrystals. *Nano Letters*, **2013**, 13, 350-7	11.5	75
237	PT metamaterials via complex-coordinate transformation optics. *Physical Review Letters*, **2013**, 110, 173901	7.4	139
236	. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 33-44	4.9	40
235	Terahertz epsilon-near-zero graded-index lens. *Optics Express*, **2013**, 21, 9156-66	3.3	46
234	Nanoscale plasmonic circulator. *New Journal of Physics*, **2013**, 15, 083054	2.9	35
233	One-atom-thick reflectors for surface plasmon polariton surface waves on graphene. *Optics Communications*, **2012**, 285, 3428-3430	2	17
232	Lensing system and Fourier transformation using epsilon-near-zero metamaterials. *Physical Review B*, **2012**, 86,	3.3	29
231	Design of a monolithic CMOS image sensor integrated focal plane wire-grid polarizer filter mosaic **2012**,		6

230	Nonlocal transformation optics. *Physical Review Letters*, **2012**, 108, 063902	7.4	41
229	Boosting optical nonlinearities in ε-near-zero plasmonic channels. *Physical Review B*, **2012**, 85,	3.3	165
228	Transformation electronics: Tailoring the effective mass of electrons. *Physical Review B*, **2012**, 86,	3.3	34
227	Improved size-tunable synthesis of monodisperse gold nanorods through the use of aromatic additives. *ACS Nano*, **2012**, 6, 2804-17	16.7	641
226	Experimental realization of optical lumped nanocircuits at infrared wavelengths. *Nature Materials*, **2012**, 11, 208-12	27	102
225	Nanocircuit Loading of Plasmonic Waveguides. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 4381-4390	4.9	5
224	Metal-enhanced upconversion luminescence tunable through metal nanoparticle-nanophosphor separation. *ACS Nano*, **2012**, 6, 8758-66	16.7	240
223	From RF Circuits to Optical Nanocircuits. *IEEE Microwave Magazine*, **2012**, 13, 100-113	1.2	10
222	One-Way Waveguides Connected to One-Way Loads. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1398-1401	3.8	13
221	Metamaterial-inspired model for electron waves in bulk semiconductors. *Physical Review B*, **2012**, 86,	3.3	10
220	Optical frequency mixing through nanoantenna enhanced difference frequency generation: Metatronic mixer. *Physical Review B*, **2012**, 86,	3.3	16
219	Effective medium approach to electron waves: Graphene superlattices. *Physical Review B*, **2012**, 85,	3.3	23
218	An invisible metal–semiconductor photodetector. *Nature Photonics*, **2012**, 6, 380-385	33.9	180
217	Experimental verification of displacement-current conduits in metamaterials-inspired optical circuitry. *Physical Review Letters*, **2012**, 108, 193902	7.4	34
216	Fourier optics on graphene. *Physical Review B*, **2012**, 85,	3.3	56
215	Internal homogenization: effective permittivity of a coated sphere. *Optics Express*, **2012**, 20, 22976-86	3.3	62
214	Enhancement of radiation from dielectric waveguides using resonant plasmonic coreshells. *Optics Express*, **2012**, 20, 16104-12	3.3	8
213	Polarization-based non-staining cell detection. *Optics Express*, **2012**, 20, 25378-90	3.3	7

212	Sampling and squeezing electromagnetic waves through subwavelength ultranarrow regions or openings. *Physical Review B*, **2012**, 85,	3.3	6
211	Coupling and guided propagation along parallel chains of plasmonic nanoparticles. *New Journal of Physics*, **2011**, 13, 033026	2.9	15
210	Guidance Properties of Plasmonic Nanogrooves: Comparison Between the Effective Index Method and the Finite Integration Technique. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 199-202	3.8	7
209	Effects of shape and loading of optical nanoantennas on their sensitivity and radiation properties. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 1266	1.7	41
208	Applied physics. Antenna-guided light. *Science*, **2011**, 334, 317-8	33.3	32
207	Extremely anisotropic boundary conditions and their optical applications. *Radio Science*, **2011**, 46, n/a-n/a	1.4	2
206	Arm-edge conditions in plasmonic folded dipole nanoantennas. *Optics Express*, **2011**, 19, 12325-35	3.3	7
205	One-Atom-Thick Metamaterials and Transformation Optics with Graphene. *Optics and Photonics News*, **2011**, 22, 44	1.9	6
204	Homogenization of plasmonic metasurfaces modeled as transmission-line loads. *Metamaterials*, **2011**, 5, 90-96		73
203	PLASMONIC CLOAKING: SCATTERING CANCELLATION WITHOUT ISOLATION **2011**, 263-283		2
202	Optical Metamaterials Based on Optical Nanocircuits. *Proceedings of the IEEE*, **2011**, 99, 1669-1681	14.3	14
201	Metamaterials: Fundamentals and Applications in the Microwave and Optical Regimes [Scanning the Issue]. *Proceedings of the IEEE*, **2011**, 99, 1618-1621	14.3	16
200	Transformation optics using graphene. *Science*, **2011**, 332, 1291-4	33.3	2015
199	Analytical study of spherical cloak/anti-cloak interactions. *Wave Motion*, **2011**, 48, 455-467	1.8	16
198	Electromagnetic tunneling through a single-negative slab paired with a double-positive bilayer. *Physical Review B*, **2011**, 83,	3.3	26
197	Emission Enhancement in a Plasmonic Waveguide at Cut-Off. *Materials*, **2011**, 4, 141-152	3.5	13
196	General class of metamaterial transformation slabs. *Physical Review B*, **2010**, 81,	3.3	26
195	Switching capability of double-sided grating with horizontal shift. *Applied Physics Letters*, **2010**, 97, 053108	3.4	14

194	Selected Applications of Transformation Electromagnetics. *Advances in Science and Technology*, **2010**, 75, 246-255	0.1	
193	Comparison of Waveguiding Properties of Plasmonic Voids and Plasmonic Waveguides. *Journal of Physical Chemistry C*, **2010**, 114, 7462-7471	3.8	4
192	Coaxial-to-Waveguide Matching With $varepsilon$-Near-Zero Ultranarrow Channels and Bends. *IEEE Transactions on Antennas and Propagation*, **2010**, 58, 328-339	4.9	38
191	Wireless at the nanoscale: optical interconnects using matched nanoantennas. *Physical Review Letters*, **2010**, 104, 213902	7.4	162
190	Dual-tier thin film polymer polarization imaging sensor. *Optics Express*, **2010**, 18, 19292-303	3.3	52
189	Role of propagating modes in a double-groove grating with a +1st-order diffraction angle larger than the substrate-air critical angle. *Optics Letters*, **2010**, 35, 3973-5	3	13
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