

# Yuri S Kivshar

## 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.

982  
papers

61,256  
citations

113  
h-index

204  
g-index

1,226  
ext. papers

73,420  
ext. citations

5.8  
avg. IF

8.41  
L-index

#	Paper	IF	Citations
982	Multipole Born series approach to light scattering by Mie-resonant nanoparticle structures. <i>Journal of Optics (United Kingdom)</i> , <b>2022</b> , 24, 035603	1.7	
981	Asymmetric topological pumping in nonparaxial photonics.. <i>Nature Communications</i> , <b>2022</b> , 13, 249	17.4	2
980	Intelligent metaphotonics empowered by machine learning. <i>Opto-Electronic Advances</i> , <b>2022</b> , 5, 210147-210147	0.1	1476
979	Seeing is believing.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 45	16.7	0
978	Reaching the superscattering regime with BIC physics. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2172, 012003	0.3	
977	Resonant tunneling and bound states in the continuum. <i>Low Temperature Physics</i> , <b>2022</b> , 48, 389-395	0.7	
976	Transformational and Secure Metasurfaces. <i>Chemical Reviews</i> , <b>2021</b> , 121, 13011-13012	68.1	1
975	The science of harnessing light & darkness. <i>Nanophotonics</i> , <b>2021</b> , 10, 4171-4173	6.3	1
974	Observation of Ultrafast Self-Action Effects in Quasi-BIC Resonant Metasurfaces. <i>Nano Letters</i> , <b>2021</b> , 21, 8848-8855	11.5	6
973	Multidimensional phase singularities in nanophotonics. <i>Science</i> , <b>2021</b> , 374, eabj0039	33.3	23
972	Wafer-Scale Functional Metasurfaces for Mid-Infrared Photonics and Biosensing (Adv. Mater. 43/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170337	24	
971	Tunable Mie-Resonant Dielectric Metasurfaces Based on VO <sub>2</sub> Phase-Transition Materials. <i>ACS Photonics</i> , <b>2021</b> , 8, 1206-1213	6.3	15
970	Metasurfaces for quantum photonics. <i>Nature Photonics</i> , <b>2021</b> , 15, 327-336	33.9	44
969	Nonlinear Circular Dichroism in Mie-Resonant Nanoparticle Dimers. <i>Nano Letters</i> , <b>2021</b> , 21, 4381-4387	11.5	11
968	All-Dielectric Nanostructures with a Thermoresponsive Dynamic Polymer Shell. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12847-12851	3.6	
967	All-Dielectric Nanostructures with a Thermoresponsive Dynamic Polymer Shell. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12737-12741	16.4	5
966	Nonlinear Imaging of Nanoscale Topological Corner States. <i>Nano Letters</i> , <b>2021</b> , 21, 4592-4597	11.5	22

965	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. <i>Nature Communications</i> , <b>2021</b> , 12, 3246	17.4	36
964	Quo Vadis, Metasurfaces?. <i>Nano Letters</i> , <b>2021</b> , 21, 5461-5474	11.5	34
963	Bound States in the Continuum Underpin Near-Lossless Maximum Chirality in Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100797	8.1	9
962	Ultralow-threshold laser using super-bound states in the continuum. <i>Nature Communications</i> , <b>2021</b> , 12, 4135	17.4	35
961	Observation of Supercavity Modes in Subwavelength Dielectric Resonators. <i>Advanced Materials</i> , <b>2021</b> , 33, e2003804	24	18
960	Hybrid Dielectric Metasurfaces for Enhancing Second-Harmonic Generation in Chemical Vapor Deposition Grown MoS <sub>2</sub> Monolayers. <i>ACS Photonics</i> , <b>2021</b> , 8, 218-227	6.3	9
959	Dielectric Resonant Metaphotonics. <i>ACS Photonics</i> , <b>2021</b> , 8, 102-112	6.3	70
958	Full-Stokes Polarization Perfect Absorption with Diatomic Metasurfaces. <i>Nano Letters</i> , <b>2021</b> , 21, 1090-1095	11.5	24
957	From Fano to Quasi-BIC Resonances in Individual Dielectric Nanoantennas. <i>Nano Letters</i> , <b>2021</b> , 21, 1765-1771	11.5	24
956	Topological polarization singularities in metaphotonics. <i>Nanophotonics</i> , <b>2021</b> , 10, 1469-1486	6.3	15
955	Quantum Hall phases emerging from atom-photon interactions. <i>Npj Quantum Information</i> , <b>2021</b> , 7,	8.6	8
954	Lasing Action from Anapole Metasurfaces. <i>Nano Letters</i> , <b>2021</b> , 21, 6563-6568	11.5	12
953	Novel non-plasmonic nanolasers empowered by topology and interference effects. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	4
952	Hybrid anisotropic plasmonic metasurfaces with multiple resonances of focused light beams. <i>Nano Letters</i> , <b>2021</b> , 21, 8917-8923	11.5	19
951	Enhanced Multiphoton Processes in Perovskite Metasurfaces. <i>Nano Letters</i> , <b>2021</b> , 21, 7191-7197	11.5	7
950	All-dielectric thermonanophotonics. <i>Advances in Optics and Photonics</i> , <b>2021</b> , 13, 643	16.7	11
949	Wafer-Scale Functional Metasurfaces for Mid-Infrared Photonics and Biosensing. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102232	24	13
948	Multipole optimization of light focusing by silicon nanosphere structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 3009	1.7	2

947	Mid-infrared cylindrical vector beams enabled by dielectric metasurfaces. <i>APL Materials</i> , <b>2021</b> , 9, 1211135.7	0
946	All-dielectric thermonanophotonics: publisher's note. <i>Advances in Optics and Photonics</i> , <b>2021</b> , 13, 835	16.7
945	Topological Photonics on a Small Scale. <i>Small Science</i> , <b>2021</b> , 1, 2170032	
944	Non-Huygens invisible metasurfaces. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1461, 012156	0.3
943	Broadband Antireflection with Halide Perovskite Metasurfaces. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 2000338	8.3 10
942	Nonlinear Imaging with All-Dielectric Metasurfaces. <i>Nano Letters</i> , <b>2020</b> , 20, 4370-4376	11.5 36
941	Bound States in the Continuum in Anisotropic Plasmonic Metasurfaces. <i>Nano Letters</i> , <b>2020</b> , 20, 6351-6356	11.5 71
940	Room-Temperature Lasing from Mie-Resonant Nonplasmonic Nanoparticles. <i>ACS Nano</i> , <b>2020</b> , 14, 8149-8156	16.6 50
939	Quasi-BIC Resonant Enhancement of Second-Harmonic Generation in WS Monolayers. <i>Nano Letters</i> , <b>2020</b> , 20, 5309-5314	11.5 63
938	Stimulated Raman Scattering from Mie-Resonant Subwavelength Nanoparticles. <i>Nano Letters</i> , <b>2020</b> , 20, 5786-5791	11.5 10
937	Nonlinear topological photonics. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 021306	17.3 147
936	Magnetic Dipole Ordering in Resonant Dielectric Metasurfaces. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3 5
935	Nonlinear optics with resonant metasurfaces. <i>MRS Bulletin</i> , <b>2020</b> , 45, 210-220	3.2 36
934	Photon-Mediated Localization in Two-Level Qubit Arrays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 093604	7.4 14
933	Ultrafast control of vortex microlasers. <i>Science</i> , <b>2020</b> , 367, 1018-1021	33.3 210
932	Subwavelength dielectric resonators for nonlinear nanophotonics. <i>Science</i> , <b>2020</b> , 367, 288-292	33.3 257
931	Inverse design of higher-order photonic topological insulators. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9 16
930	Topological pumping assisted by Bloch oscillations. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9 5

929	Radiative topological biphoton states in modulated qubit arrays. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	8
928	Topological states in disordered arrays of dielectric nanoparticles. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	3
927	High-Harmonic Generation in Dielectric Metasurfaces Empowered by Bound States in the Continuum <b>2020</b> ,		2
926	Engineering with Bound States in the Continuum. <i>Optics and Photonics News</i> , <b>2020</b> , 31, 38	1.9	31
925	Topological nanophotonics for photoluminescence control. <i>Nanophotonics</i> , <b>2020</b> , 10, 435-441	6.3	6
924	Bound States in the Continuum for Enhanced Generation of High Optical Harmonics <b>2020</b> ,		1
923	All-dielectric Mie-resonant metaphotonics. <i>Comptes Rendus Physique</i> , <b>2020</b> , 21, 425-442	1.4	3
922	Ultrafast Control of Microlasers. <i>Optics and Photonics News</i> , <b>2020</b> , 31, 36	1.9	0
921	Mie-Resonant Membrane Huygens' Metasurfaces. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906851	15.6	21
920	Tailoring transmission and reflection with metasurfaces <b>2020</b> , 145-174		6
919	Nanostructure-Empowered Efficient Coupling of Light into Optical Fibers at Extraordinarily Large Angles. <i>ACS Photonics</i> , <b>2020</b> , 7, 2834-2841	6.3	6
918	Room-temperature lasing from nanophotonic topological cavities. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 127	16.7	38
917	Polarization-Sensitive Dielectric Membrane Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000555	8.1	7
916	Metasurfaces with Maximum Chirality Empowered by Bound States in the Continuum. <i>Physical Review Letters</i> , <b>2020</b> , 125, 093903	7.4	68
915	Multipolar lasing modes from topological corner states. <i>Nature Communications</i> , <b>2020</b> , 11, 5758	17.4	47
914	Guided-Mode Resonances in All-Dielectric Terahertz Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1900959	8.1	25
913	Halide-Perovskite Nanophotonics: Halide-Perovskite Resonant Nanophotonics (Advanced Optical Materials 1/2019). <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1970002	8.1	3
912	Third-Harmonic Generation in Photonic Topological Metasurfaces. <i>Physical Review Letters</i> , <b>2019</b> , 123, 103901	7.4	72

911	Multipolar origin of bound states in the continuum. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	77
910	Active meta-optics and nanophotonics with halide perovskites. <i>Applied Physics Reviews</i> , <b>2019</b> , 6, 031307	17.3	46
909	Optical Anapoles: Concepts and Applications. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801350	8.1	106
908	Near-field imaging of spin-locked edge states in all-dielectric topological metasurfaces. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 031103	3.4	29
907	Multipole analysis of dielectric metasurfaces composed of nonspherical nanoparticles and lattice invisibility effect. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	65
906	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. <i>Science Advances</i> , <b>2019</b> , 5, eaaw2871	14.3	135
905	Transverse Scattering and Generalized Kerker Effects in All-Dielectric Mie-Resonant Metaoptics. <i>Physical Review Letters</i> , <b>2019</b> , 122, 193905	7.4	79
904	Transition from photonic crystals to dielectric metamaterials. <i>Semiconductors and Semimetals</i> , <b>2019</b> , 100, 13-43	0.6	1
903	All-Dielectric Resonant Meta-Optics Lightens up. <i>ACS Photonics</i> , <b>2019</b> , 6, 802-814	6.3	86
902	Tailoring Photoluminescence from MoS <sub>2</sub> Monolayers by Mie-Resonant Metasurfaces. <i>ACS Photonics</i> , <b>2019</b> , 6, 1002-1009	6.3	44
901	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. <i>ACS Nano</i> , <b>2019</b> , 13, 4140-4147	16.7	89
900	Enhanced absorption in all-dielectric metasurfaces due to magnetic dipole excitation. <i>Scientific Reports</i> , <b>2019</b> , 9, 3438	4.9	37
899	Dielectric Broadband Metasurfaces for Fiber Mode-Multiplexed Communications. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801679	8.1	14
898	Nonradiating photonics with resonant dielectric nanostructures. <i>Nanophotonics</i> , <b>2019</b> , 8, 725-745	6.3	161
897	Ultrasensitive hyperspectral imaging and biodetection enabled by dielectric metasurfaces. <i>Nature Photonics</i> , <b>2019</b> , 13, 390-396	33.9	279
896	Metasurface Engineering through Bound States in the Continuum. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	84
895	Tailored Nonlinear Anisotropy in Mie-Resonant Dielectric Oligomers. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900447	8.1	14
894	All-Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901921	24	106

893	Nonlinear Metasurfaces Governed by Bound States in the Continuum. <i>ACS Photonics</i> , <b>2019</b> , 6, 1639-1644	6.3	109
892	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. <i>Physical Review Letters</i> , <b>2019</b> , 123, 163901	7.4	13
891	Localized edge modes in discrete photonic and phononic systems (Review article). <i>Low Temperature Physics</i> , <b>2019</b> , 45, 1026-1031	0.7	3
890	Topological Edge States and Gap Solitons in the Nonlinear Dirac Model. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900223	8.3	31
889	Transparency and perfect absorption of all-dielectric resonant metasurfaces governed by the transverse Kerker effect. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	20
888	High-harmonic generation at the nanoscale boosted by bound states in the continuum. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	44
887	Bound states in the continuum and Fano resonances in the strong mode coupling regime. <i>Advanced Photonics</i> , <b>2019</b> , 1, 1	8.1	114
886	Boosting Second-Harmonic Generation in Nonlinear Metasurfaces with Bound States in the Continuum <b>2019</b> ,		2
885	Enhanced Circular Dichroism and Chiral Sensing with Bound States in the Continuum <b>2019</b> ,		4
884	Disorder-Robust Nonlinear Light Generation in Topological Nanostructures <b>2019</b> ,		1
883	All-dielectric Metasurfaces for Infrared Absorption Spectroscopy Applications <b>2019</b> ,		1
882	Photosensitive chalcogenide metasurfaces supporting bound states in the continuum. <i>Optics Express</i> , <b>2019</b> , 27, 33847-33853	3.3	15
881	Nanophotonic Biosensors: from Plasmonic to Dielectric Metasurfaces <b>2019</b> ,		1
880	Observation of Extraordinary SHG from All-Dielectric Nanoantennas Governed by Bound States in the Continuum <b>2019</b> ,		1
879	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials <b>2019</b> ,		2
878	Inelastic Scattering of Photon Pairs in Qubit Arrays with Subradiant States. <i>Physical Review Letters</i> , <b>2019</b> , 123, 253601	7.4	18
877	Halide-Perovskite Resonant Nanophotonics. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1800784	8.1	98
876	Experimental Observation of Toroidal Dipole Modes in All-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801166	8.1	53

875	Nonlinear light generation in topological nanostructures. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 126-130	28.7	116
874	Reshaping the Second-Order Polar Response of Hybrid Metal-Dielectric Nanodimers. <i>Nano Letters</i> , <b>2019</b> , 19, 877-884	11.5	20
873	Manipulation of Magnetic Dipole Emission from Eu with Mie-Resonant Dielectric Metasurfaces. <i>Nano Letters</i> , <b>2019</b> , 19, 1015-1022	11.5	52
872	Meta-optics and bound states in the continuum. <i>Science Bulletin</i> , <b>2019</b> , 64, 836-842	10.6	145
871	A comparative analysis of surface and bulk contributions to second-harmonic generation in centrosymmetric nanoparticles. <i>Scientific Reports</i> , <b>2018</b> , 8, 3586	4.9	25
870	All-dielectric meta-optics and non-linear nanophotonics. <i>National Science Review</i> , <b>2018</b> , 5, 144-158	10.8	106
869	Directional and Spectral Shaping of Light Emission with Mie-Resonant Silicon Nanoantenna Arrays. <i>ACS Photonics</i> , <b>2018</b> , 5, 1359-1364	6.3	62
868	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2018</b> , 5, 1742-1748	13.748	150
867	Locally Enhanced Image Quality with Tunable Hybrid Metasurfaces. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	27
866	Light-Emitting Halide Perovskite Nanoantennas. <i>Nano Letters</i> , <b>2018</b> , 18, 1185-1190	11.5	87
865	Coexistence of collapse and stable spatiotemporal solitons in multimode fibers. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	20
864	Band-gap structure and chiral discrete solitons in optical lattices with artificial gauge fields. <i>Annals of Physics</i> , <b>2018</b> , 388, 173-185	2.5	4
863	Multipolar second-harmonic generation by Mie-resonant dielectric nanoparticles. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	32
862	Active Tuning of Spontaneous Emission by Mie-Resonant Dielectric Metasurfaces. <i>Nano Letters</i> , <b>2018</b> , 18, 3461-3465	11.5	76
861	All-Dielectric Resonant Metasurfaces with a Strong Toroidal Response. <i>ACS Photonics</i> , <b>2018</b> , 5, 1871-1876.	3	86
860	Energy localization, Fano resonances, and nonlinear meta-optics. <i>Low Temperature Physics</i> , <b>2018</b> , 44, 726-732	0.7	2
859	Topological Floquet edge states in periodically curved waveguides. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	11
858	Generalized Kerker effects in nanophotonics and meta-optics [Invited]. <i>Optics Express</i> , <b>2018</b> , 26, 13085-13105	13.105	197



857	Tunable Hybrid Fano Resonances in Halide Perovskite Nanoparticles. <i>Nano Letters</i> , <b>2018</b> , 18, 5522-5529	11.5	63
856	Disorder-free weak dynamic localization in deformable lattices. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 375602	1.8	
855	Giant Nonlinear Response at the Nanoscale Driven by Bound States in the Continuum. <i>Physical Review Letters</i> , <b>2018</b> , 121, 033903	7.4	141
854	Nonlinear Wavefront Control with All-Dielectric Metasurfaces. <i>Nano Letters</i> , <b>2018</b> , 18, 3978-3984	11.5	104
853	Nonlinear nanophotonics and bound states in the continuum <b>2018</b> ,		1
852	Imaging-based molecular barcoding with pixelated dielectric metasurfaces. <i>Science</i> , <b>2018</b> , 360, 1105-1109	9.3	385
851	Engineering scattering patterns with asymmetric dielectric nanorods. <i>Optics Express</i> , <b>2018</b> , 26, 32624-32630	6.3	13
850	Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. <i>Nano Letters</i> , <b>2018</b> , 18, 535-539	11.5	39
849	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. <i>ACS Photonics</i> , <b>2018</b> , 5, 728-733	6.3	53
848	Asymmetric Metasurfaces with High-Q Resonances Governed by Bound States in the Continuum. <i>Physical Review Letters</i> , <b>2018</b> , 121, 193903	7.4	441
847	Toward Silicon-Based Metamaterials. <i>ACS Photonics</i> , <b>2018</b> , 5, 4751-4757	6.3	10
846	Noninterleaved Metasurface for (2-1) Spin- and Wavelength-Encoded Holograms. <i>Nano Letters</i> , <b>2018</b> , 18, 8016-8024	11.5	125
845	Non-Hermitian Optical Waveguide Couplers. <i>Springer Tracts in Modern Physics</i> , <b>2018</b> , 277-300	0.1	
844	Quantum metasurface for multiphoton interference and state reconstruction. <i>Science</i> , <b>2018</b> , 361, 1104-1108	9.3	127
843	Electric-current-induced unidirectional propagation of surface plasmon-polaritons. <i>Optics Letters</i> , <b>2018</b> , 43, 963-966	3	46
842	Near-Field Coupling Effects in Mie-Resonant Photonic Structures and All-Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2018</b> , 5, 2888-2894	6.3	30
841	Transparent Dielectric Metasurfaces for Spatial Mode Multiplexing. <i>Laser and Photonics Reviews</i> , <b>2018</b> , 12, 1800031	8.3	27
840	Shaping the third-harmonic radiation from silicon nanodimers. <i>Nanoscale</i> , <b>2017</b> , 9, 2201-2206	7.7	39

839	Optical physics: Supercavity lasing. <i>Nature</i> , <b>2017</b> , 541, 164-165	50.4	78
838	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. <i>Small</i> , <b>2017</b> , 13, 1603190	11	56
837	New horizons for nanophotonics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	2
836	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 071109	3.4	154
835	Suppression of scattering for small dielectric particles: anapole mode and invisibility. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	48
834	Refractive index sensing with Fano resonances in silicon oligomers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	16
833	Third-harmonic generation from Mie-type resonances of isolated all-dielectric nanoparticles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	27
832	Multipolar interference effects in nanophotonics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	65
831	Multifold Emission Enhancement in Nanoimprinted Hybrid Perovskite Metasurfaces. <i>ACS Photonics</i> , <b>2017</b> , 4, 728-735	6.3	90
830	Nonlinear Symmetry Breaking in Symmetric Oligomers. <i>ACS Photonics</i> , <b>2017</b> , 4, 454-461	6.3	25
829	Antiferromagnetic order in hybrid electromagnetic metamaterials. <i>New Journal of Physics</i> , <b>2017</b> , 19, 083013	13	13
828	Efficient Second-Harmonic Generation in Nanocrystalline Silicon Nanoparticles. <i>Nano Letters</i> , <b>2017</b> , 17, 3047-3053	11.5	113
827	Nonlinear Optical Magnetism Revealed by Second-Harmonic Generation in Nanoantennas. <i>Nano Letters</i> , <b>2017</b> , 17, 3914-3918	11.5	76
826	Anapole nanolasers for mode-locking and ultrafast pulse generation. <i>Nature Communications</i> , <b>2017</b> , 8, 15535	17.4	136
825	Topology-driven nonlinear switching in Möbius discrete arrays. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	4
824	Giant field enhancement in high-index dielectric subwavelength particles. <i>Scientific Reports</i> , <b>2017</b> , 7, 731	4.9	35
823	Highly sensitive biosensors based on all-dielectric nanoresonators. <i>Nanoscale</i> , <b>2017</b> , 9, 4972-4980	7.7	94
822	Three-dimensional all-dielectric photonic topological insulator. <i>Nature Photonics</i> , <b>2017</b> , 11, 130-136	33.9	186

821	Polarization-Induced Chirality in Metamaterials via Optomechanical Interaction. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600760	8.1	23
820	Classical and exotic magnetism: Recent advances and perspectives. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 895-900	0.7	3
819	Functional Meta-Optics and Nanophotonics Governed by Mie Resonances. <i>ACS Photonics</i> , <b>2017</b> , 4, 2638-2649	26.9	310
818	Sum-frequency generation and photon-pair creation in AlGaAs nano-disks <b>2017</b> ,		1
817	Sum-Frequency Generation and Photon-Pair Creation in AlGaAs Nano-Scale Resonators <b>2017</b> ,		4
816	Spatial localization and thermal rectification in inhomogeneously deformed lattices. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
815	Angle-selective all-dielectric Huygens metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 434002	3	36
814	Light-Induced Tuning and Reconfiguration of Nanophotonic Structures. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1700108	8.3	113
813	Fano resonances in photonics. <i>Nature Photonics</i> , <b>2017</b> , 11, 543-554	33.9	759
812	Magneto-Optical Response Enhanced by Mie Resonances in Nanoantennas. <i>ACS Photonics</i> , <b>2017</b> , 4, 2390-2395	6.3	55
811	Guided modes in non-Hermitian optical waveguides. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	10
810	Tunable hybrid metasurfaces for MRI applications <b>2017</b> ,		1
809	High-bit rate ultra-compact light routing with mode-selective on-chip nanoantennas. <i>Science Advances</i> , <b>2017</b> , 3, e1700007	14.3	46
808	Reversible Thermal Tuning of All-Dielectric Metasurfaces. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700586	5.6	90
807	Enhanced Second-Harmonic Generation from Sequential Capillarity-Assisted Particle Assembly of Hybrid Nanodimers. <i>Nano Letters</i> , <b>2017</b> , 17, 5381-5388	11.5	56
806	Enhanced Directional Emission from Monolayer WSe <sub>2</sub> Integrated onto a Multiresonant Silicon-Based Photonic Structure. <i>ACS Photonics</i> , <b>2017</b> , 4, 3031-3038	6.3	28
805	Nonlinear Anisotropic Dielectric Metasurfaces for Ultrafast Nanophotonics. <i>ACS Photonics</i> , <b>2017</b> , 4, 2129-2136	6.1	41
804	Multipolar response of nonspherical silicon nanoparticles in the visible and near-infrared spectral ranges. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	91

803	High-Q Supercavity Modes in Subwavelength Dielectric Resonators. <i>Physical Review Letters</i> , <b>2017</b> , 119, 243901	7.4	270
802	Phononic Fano resonances in graphene nanoribbons with local defects. <i>Scientific Reports</i> , <b>2017</b> , 7, 4668	4.9	4
801	Multimode directionality in all-dielectric metasurfaces. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	82
800	Switchable invisibility of dielectric resonators. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	11
799	Multiparticle Wannier states and Thouless pumping of interacting bosons. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	22
798	Hybrid anapole modes of high-index dielectric nanoparticles. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	72
797	Hybrid Plasmonic Cavity Modes in Arrays of Gold Nanotubes. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600731	3.1	11
796	All-dielectric bianisotropic and multimode unidirectional microwave metasurfaces <b>2017</b> ,		1
795	<b>2017</b> ,		2
794	Ultrafast pulse generation in integrated arrays of anapole nanolasers <b>2017</b> ,		2
793	Resonant forward scattering of light by high-refractive-index dielectric nanoparticles with toroidal dipole contribution. <i>Optics Letters</i> , <b>2017</b> , 42, 835-838	3	58
792	Reflection compensation mediated by electric and magnetic resonances of all-dielectric metasurfaces [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, D18	1.7	48
791	Meta-Optics with Mie Resonances. <i>Optics and Photonics News</i> , <b>2017</b> , 28, 24	1.9	104
790	Quantum imaging with dielectric metasurfaces for multi-photon polarization tomography <b>2017</b> ,		2
789	Third-Harmonic Generation from Photonic Topological States in Zigzag Arrays of Silicon Nanodisks <b>2017</b> ,		2
788	Magnetic field concentration with coaxial silicon nanocylinders in the optical spectral range. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, D36	1.7	26
787	Solitons in $\mathcal{P}\mathcal{T}$ -symmetric ladders of optical waveguides. <i>New Journal of Physics</i> , <b>2017</b> , 19, 113032	2.9	15
786	Nonlinear Plasmonic Waveguides. <i>Springer Series in Optical Sciences</i> , <b>2016</b> , 163-180	0.5	

785	Spin control of light with hyperbolic metasurfaces. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	45
784	Special Issue Nonlinear and Ultrafast Nanophotonics <i>ACS Photonics</i> , <b>2016</b> , 3, 1333-1335	6.3	3
783	Non-Hermitian trimers: PT-symmetry versus pseudo-Hermiticity. <i>New Journal of Physics</i> , <b>2016</b> , 18, 065005.9	5.9	25
782	Q-factor enhancement in all-dielectric anisotropic nanoresonators. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
781	Near-field coupling and resonant cavity modes in plasmonic nanorod metamaterials. <i>Nanotechnology</i> , <b>2016</b> , 27, 415708	3.4	10
780	Nonlocal homogenization for nonlinear metamaterials. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	14
779	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. <i>Nano Letters</i> , <b>2016</b> , 16, 4857-61	11.5	138
778	Optically resonant dielectric nanostructures. <i>Science</i> , <b>2016</b> , 354,	33.3	1434
777	Topological phase transitions and Thouless pumping of light in photonic waveguide arrays (Laser Photonics Rev. 10(6)/2016). <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 1064-1064	8.3	2
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775	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. <i>Nano Letters</i> , <b>2016</b> , 16, 7191-7197	11.5	168
774	Experimental demonstration of topological effects in bianisotropic metamaterials. <i>Scientific Reports</i> , <b>2016</b> , 6, 22270	4.9	66
773	Topological phase transitions and Thouless pumping of light in photonic waveguide arrays. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 995-1001	8.3	38
772	Manipulation of photoluminescence of two-dimensional MoSe <sub>2</sub> by gold nanoantennas. <i>Scientific Reports</i> , <b>2016</b> , 6, 22296	4.9	60
771	Magnetic hyperbolic optical metamaterials. <i>Nature Communications</i> , <b>2016</b> , 7, 11329	17.4	91
770	Metasurfaces provide a new way for building magnetic resonance imaging scanners <b>2016</b> ,		1
769	Energy equipartition and unidirectional emission in a spaser nanolaser. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 432-440	8.3	20
768	Optimization of Biased PT-Symmetric Plasmonic Directional Couplers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 60-66	3.8	4

767	Multipolar Third-Harmonic Generation in Fishnet Metamaterials. <i>ACS Photonics</i> , <b>2016</b> , 3, 1494-1499	6.3	19
766	Metasurfaces: Enhancement of Magnetic Resonance Imaging with Metasurfaces (Adv. Mater. 9/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 1831-1831	24	2
765	Trapping and Guiding Surface Plasmons in Curved Graphene Landscapes. <i>ACS Photonics</i> , <b>2016</b> , 3, 875-880	6.3	28
764	Polarisation-independent enhanced scattering by tailoring asymmetric plasmonic systems. <i>Nanoscale</i> , <b>2016</b> , 8, 6021-7	7.7	5
763	Efficient Polarization-Insensitive Complex Wavefront Control Using Huygens Metasurfaces Based on Dielectric Resonant Meta-atoms. <i>ACS Photonics</i> , <b>2016</b> , 3, 514-519	6.3	193
762	Multipolar nonlinear nanophotonics. <i>Optica</i> , <b>2016</b> , 3, 1241	8.6	199
761	Grayscale transparent metasurface holograms. <i>Optica</i> , <b>2016</b> , 3, 1504	8.6	216
760	Enhancement of Magnetic Resonance Imaging with Metasurfaces. <i>Advanced Materials</i> , <b>2016</b> , 28, 1832-8	24	96
759	Enhanced photonic spin Hall effect with subwavelength topological edge states. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 656-664	8.3	25
758	Electrical tuning of all dielectric metasurfaces <b>2016</b> ,		1
757	Purcell effect and Lamb shift as interference phenomena. <i>Scientific Reports</i> , <b>2016</b> , 6, 20599	4.9	23
756	Experimental realisation of all-dielectric bianisotropic metasurfaces. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 221903	3.4	34
755	Demonstration of the enhanced Purcell factor in all-dielectric structures. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 211105	3.4	47
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753	SPASER as a complex system: femtosecond dynamics traced by ab-initio simulations <b>2016</b> ,		1
752	Multipolar Third-Harmonic Generation Driven by Optically Induced Magnetic Resonances. <i>ACS Photonics</i> , <b>2016</b> , 3, 1468-1476	6.3	69
751	Multipolar Coupling in Hybrid Metal-Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2016</b> , 3, 349-353	6.3	62
750	Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. <i>Nanoscale</i> , <b>2016</b> , 8, 9721-6	7.7	101

749	Metasurfaces: From microwaves to visible. <i>Physics Reports</i> , <b>2016</b> , 634, 1-72	27.7	627
748	Transition from photonic crystals to dielectric metamaterials: A phase diagram and the order parameter <b>2016</b> ,		1
747	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , <b>2016</b> , 3, 972-978	6.3	13
746	Solitary Waves in Chains of High-Index Dielectric Nanoparticles. <i>ACS Photonics</i> , <b>2016</b> , 3, 1869-1876	6.3	13
745	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 799-806	8.3	67
744	Circular dichroism induced by Fano resonances in planar chiral oligomers. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 137-146	8.3	72
743	Nonlinear switching and solitons in PT-symmetric photonic systems. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 177-213	8.3	222
742	Shaping Photoluminescence Spectra with Magnetoelectric Resonances in All-Dielectric Nanoparticles. <i>ACS Photonics</i> , <b>2015</b> , 2, 172-177	6.3	89
741	Nonlinear multicore waveguiding structures with balanced gain and loss. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	17
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738	Functional and nonlinear optical metasurfaces. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 195-213	8.3	327
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736	Circular dichroism from Fano resonances in planar chiral oligomers <b>2015</b> ,		2
735	Polarization-Independent Silicon Metadevices for Efficient Optical Wavefront Control. <i>Nano Letters</i> , <b>2015</b> , 15, 5369-74	11.5	283
734	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. <i>ACS Photonics</i> , <b>2015</b> , 2, 578-582	6.3	99
733	All-dielectric multilayer cylindrical structures for invisibility cloaking. <i>Scientific Reports</i> , <b>2015</b> , 5, 9574	4.9	37
732	Towards all-dielectric metamaterials and nanophotonics <b>2015</b> ,		48

731	Subwavelength topological edge States in optically resonant dielectric structures. <i>Physical Review Letters</i> , <b>2015</b> , 114, 123901	7.4	106
730	Probing magnetic and electric optical responses of silicon nanoparticles. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 171110	3.4	50
729	Compton-like polariton scattering in hyperbolic metamaterials. <i>Physical Review Letters</i> , <b>2015</b> , 114, 185501	4	16
728	Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. <i>ACS Photonics</i> , <b>2015</b> , 2, 724-729	6.3	82
727	Scattering suppression from arbitrary objects in spatially dispersive layered metamaterials. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	35
726	Plasmonic fano nanoantennas for on-chip separation of wavelength-encoded optical signals. <i>Nano Letters</i> , <b>2015</b> , 15, 3324-8	11.5	51
725	Enhancing Eu(3+) magnetic dipole emission by resonant plasmonic nanostructures. <i>Optics Letters</i> , <b>2015</b> , 40, 1659-62	3	42
724	Switching from visibility to invisibility via Fano resonances: theory and experiment. <i>Scientific Reports</i> , <b>2015</b> , 5, 8774	4.9	78
723	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 6985-90	11.5	272
722	Substrate-Induced Resonant Magnetolectric Effects for Dielectric Nanoparticles. <i>ACS Photonics</i> , <b>2015</b> , 2, 1423-1428	6.3	90
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720	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. <i>Nature</i> , <b>2015</b> , 526, 554-8	50.4	281
719	Superabsorption of light by multilayer nanowires. <i>Nanoscale</i> , <b>2015</b> , 7, 17658-63	7.7	20
718	Enhanced Magnetic Second-Harmonic Generation from Resonant Metasurfaces <b>2015</b> ,		1
717	Nonradiating anapole modes in dielectric nanoparticles. <i>Nature Communications</i> , <b>2015</b> , 6, 8069	17.4	457
716	Photonic topological Chern insulators based on Tellegen metacrystals. <i>New Journal of Physics</i> , <b>2015</b> , 17, 125015	2.9	21
715	Nonlinear Physics Down Under <b>2015</b> , 04, 58-60		
714	Resonant transmission of light in chains of high-index dielectric particles. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	16



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707	Geometric interpretations for resonances of plasmonic nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 12148	4.9	23
706	Water: Promising Opportunities For Tunable All-dielectric Electromagnetic Metamaterials. <i>Scientific Reports</i> , <b>2015</b> , 5, 13535	4.9	114
705	Band Structure of Photonic Crystals Fabricated by Two-Photon Polymerization. <i>Crystals</i> , <b>2015</b> , 5, 61-73	2.3	18
704	Enhanced emission extraction and selective excitation of NV centers with all-dielectric nanoantennas. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 385-391	8.3	18
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698	Magnetic and electric hotspots with silicon nanodimers. <i>Nano Letters</i> , <b>2015</b> , 15, 2137-42	11.5	291
697	High-Efficiency Dielectric Huygens Surfaces. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 813-820	8.1	772
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691	Experimental demonstration of superdirective dielectric antenna. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 133502	3.4	39
690	Dissipative plasmon-solitons in multilayer graphene. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 291-296	8.3	58
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674	Control of light scattering by nanoparticles with optically-induced magnetic responses. <i>Chinese Physics B</i> , <b>2014</b> , 23, 047806	1.2	42
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660	Surface Plasmon Polaritons in Complex Settings and Generalized Geometries. <i>Handbook of Surface Science</i> , <b>2014</b> , 4, 253-278		0

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657	Superscattering of light optimized by a genetic algorithm. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 011109	3-4	52
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654	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. <i>Physical Review X</i> , <b>2014</b> , 4,	9-1	39
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649	Nonlinear response via intrinsic rotation in metamaterials. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	33
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647	Unidirectional soliton flows in PT-symmetric potentials. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	25
646	Tailoring directional scattering through magnetic and electric resonances in subwavelength silicon nanodisks. <i>ACS Nano</i> , <b>2013</b> , 7, 7824-32	16.7	754
645	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. <i>Optics Express</i> , <b>2013</b> , 21, 14907-17	3-3	87
644	Nonlinear switching with a graphene coupler. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	67
643	Fano resonances in antennas: General control over radiation patterns. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	42
642	Revisiting the physics of Fano resonances for nanoparticle oligomers. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	109

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640	Applied physics. Polarization traffic control for surface plasmons. <i>Science</i> , <b>2013</b> , 340, 283-4	33.3	47
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638	Cavity-enhanced absorption and Fano resonances in graphene nanoribbons. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	8
637	Hyperbolic metamaterials. <i>Nature Photonics</i> , <b>2013</b> , 7, 948-957	33.9	1297
636	Broadband isotropic near-zero metamaterials. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 211903	3.4	14
635	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. <i>Nature Communications</i> , <b>2013</b> , 4, 2949	17.4	52
634	Plasmonic nanoclusters with rotational symmetry: polarization-invariant far-field response vs changing near-field distribution. <i>ACS Nano</i> , <b>2013</b> , 7, 11138-46	16.7	47
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632	Subwavelength solitons and Faraday waves in two-dimensional lattices of metal nanoparticles. <i>Optics Letters</i> , <b>2013</b> , 38, 2554-6	3	9
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629	Hyperbolic metamaterials based on multilayer graphene structures. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	224
628	Hybrid High-Resolution Three-Dimensional Nanofabrication for Metamaterials and Nanoplasmonics (Adv. Mater. 9/2013). <i>Advanced Materials</i> , <b>2013</b> , 25, 1259-1259	24	1
627	Hybrid high-resolution three-dimensional nanofabrication for metamaterials and nanoplasmonics. <i>Advanced Materials</i> , <b>2013</b> , 25, 1260-4	24	32
626	Purcell effect in wire metamaterials. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	47
625	Loss compensation in metal-dielectric layered metamaterials. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	38
624	Broadband diamagnetism in anisotropic metamaterials. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	13

623	Pseudo-parity-time symmetry in optical systems. <i>Physical Review Letters</i> , <b>2013</b> , 110, 243902	7.4	102
622	Flexible helices for nonlinear metamaterials. <i>Advanced Materials</i> , <b>2013</b> , 25, 3409-12	24	49
621	Dispersionless optical activity in metamaterials. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 201121	3.4	33
620	Optically isotropic responses induced by discrete rotational symmetry of nanoparticle clusters. <i>Nanoscale</i> , <b>2013</b> , 5, 6395-403	7.7	47
619	Publisher's Note: Hyperbolic metamaterials based on multilayer graphene structures [Phys. Rev. B 87, 075416 (2013)]. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	4
618	Localized defect modes in graphene. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	10
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615	Deflection of nematicons through interaction with dielectric particles. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 1432	1.7	15
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613	Complex band structure of nanostructured metal-dielectric metamaterials. <i>Optics Express</i> , <b>2013</b> , 21, 15933-8	3.3	31
612	Electro-optical switching by liquid-crystal controlled metasurfaces. <i>Optics Express</i> , <b>2013</b> , 21, 8879-85	3.3	130
611	Broadband light coupling to dielectric slot waveguides with tapered plasmonic nanoantennas. <i>Optics Letters</i> , <b>2013</b> , 38, 4853-6	3	5
610	Focus issue: hyperbolic metamaterials. <i>Optics Express</i> , <b>2013</b> , 21, 14895-7	3.3	49
609	Mie scattering as a cascade of Fano resonances. <i>Optics Express</i> , <b>2013</b> , 21, 30107-13	3.3	57
608	Self-induced mode transformation in nonlocal nonlinear media. <i>Physical Review Letters</i> , <b>2013</b> , 111, 123902	7.4	39
607	Scattering of core-shell nanowires with the interference of electric and magnetic resonances. <i>Optics Letters</i> , <b>2013</b> , 38, 2621-4	3	64
606	Self-similar parabolic plasmonic beams. <i>Optics Letters</i> , <b>2013</b> , 38, 428-30	3	1

605	Enhanced efficiency of light-trapping nanoantenna arrays for thin-film solar cells. <i>Optics Express</i> , <b>2013</b> , 21 Suppl 4, A714-25	3.3	33
604	Disorder-induced localization of light near edges of nonlinear photonic lattices. <i>Optics Communications</i> , <b>2012</b> , 285, 352-355	2	3
603	Multifrequency tapered plasmonic nanoantennas. <i>Optics Communications</i> , <b>2012</b> , 285, 821-824	2	20
602	Spontaneous emission enhancement in metal-dielectric metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 185-187	2.3	85
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600	Spontaneous knotting of self-trapped waves. <i>Scientific Reports</i> , <b>2012</b> , 2, 771	4.9	21
599	Fano resonances in all-dielectric oligomers. <i>Nano Letters</i> , <b>2012</b> , 12, 6459-63	11.5	257
598	Plasmonic nanoantennas for efficient control of polarization-entangled photon pairs. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	20
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595	Paradoxes in laser heating of plasmonic nanoparticles. <i>New Journal of Physics</i> , <b>2012</b> , 14, 093022	2.9	39
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593	Breathers in PT-symmetric optical couplers. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	92
592	Competing nonlinearities with metamaterials. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 231904	3.4	12
591	Double-shell metamaterial coatings for plasmonic cloaking. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 46-48	2.5	26
590	From metamaterials to metadevices. <i>Nature Materials</i> , <b>2012</b> , 11, 917-24	27	1289
589	Broadband scattering by tapered nanoantennas. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 466-468	2.5	9
588	Liquid crystal based nonlinear fishnet metamaterials. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 121113	3.4	111

587	Knotted solitons in nonlinear magnetic metamaterials. <i>Physical Review Letters</i> , <b>2012</b> , 108, 133902	7.4	19
586	All-dielectric optical nanoantennas. <i>Optics Express</i> , <b>2012</b> , 20, 20599-604	3.3	387
585	Green function for hyperbolic media. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	47
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583	Transmission and Anderson localization in dispersive metamaterials. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	24
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580	Metamaterials controlled with light. <i>Physical Review Letters</i> , <b>2012</b> , 109, 083902	7.4	85
579	Nonlinear Tamm states in nanostructured plasmonic metamaterials. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	18
578	Tailoring and enhancing spontaneous two-photon emission using resonant plasmonic nanostructures. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	27
577	Microscopic model of Purcell enhancement in hyperbolic metamaterials. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	78
576	Spontaneous parametric down-conversion and quantum walks in arrays of quadratic nonlinear waveguides. <i>Physical Review Letters</i> , <b>2012</b> , 108, 023601	7.4	52
575	Hyperbolic transmission-line metamaterials. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 073116	2.5	33
574	Ultimate strength, ripples, sound velocities, and density of phonon states of strained graphene. <i>Computational Materials Science</i> , <b>2012</b> , 53, 194-203	3.2	36
573	Light-controllable magnetic metamaterials based on loaded split-ring resonators <b>2012</b> ,		1
572	Polarization-independent Fano resonances in arrays of core-shell nanoparticles. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	42
571	Tuning the nonlinear response of coupled split-ring resonators. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 081114	3.4	10
570	Oscillons, solitons, and domain walls in arrays of nonlinear plasmonic nanoparticles. <i>Scientific Reports</i> , <b>2012</b> , 2, 873	4.9	25



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568	Wide-band negative permeability of nonlinear metamaterials. <i>Scientific Reports</i> , <b>2012</b> , 2, 1-4	4.9	781
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565	Dissipative solitons and vortices in polariton Bose-Einstein condensates. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	58
564	Nonlinear Tamm states in layered metal-dielectric metamaterials. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 43-45	2.5	8
563	Optically induced interaction of magnetic moments in hybrid metamaterials. <i>ACS Nano</i> , <b>2012</b> , 6, 837-42	16.7	81
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555	Subwavelength modulational instability and plasmon oscillons in nanoparticle arrays. <i>Physical Review Letters</i> , <b>2012</b> , 108, 093901	7.4	59
554	Optical solitons in PT-symmetric nonlinear couplers with gain and loss. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	179
553	Observation of vector solitons with hidden vorticity. <i>Optics Letters</i> , <b>2012</b> , 37, 767-9	3	30
552	Nonlocality in PT-symmetric waveguide arrays with gain and loss. <i>Optics Letters</i> , <b>2012</b> , 37, 2148-50	3	50

551	Controlling plasmonic hot spots by interfering Airy beams. <i>Optics Letters</i> , <b>2012</b> , 37, 3402-4	3	36
550	Magnetic Light: Optical Magnetism of Dielectric Nanoparticles. <i>Optics and Photonics News</i> , <b>2012</b> , 23, 35	1.9	13
549	Subwavelength plasmonic kinks in arrays of metallic nanoparticles. <i>Optics Express</i> , <b>2012</b> , 20, 2733-9	3.3	16
548	Nonlinear couplers with tapered plasmonic waveguides. <i>Optics Express</i> , <b>2012</b> , 20, 9403-8	3.3	12
547	Nonlinear control of invisibility cloaking. <i>Optics Express</i> , <b>2012</b> , 20, 14954-9	3.3	18
546	Spatial dispersion of multilayer fishnet metamaterials. <i>Optics Express</i> , <b>2012</b> , 20, 15100-5	3.3	27
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544	Nonreciprocal Anderson localization in magneto-optical random structures. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	15
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539	Nanoradar based on nonlinear dimer nanoantenna. <i>Optics Letters</i> , <b>2012</b> , 37, 3921-3	3	15
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522	Plasmonic Airy beam manipulation in linear optical potentials. <i>Optics Letters</i> , <b>2011</b> , 36, 1164-6	3	101
521	Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. <i>Optics Letters</i> , <b>2011</b> , 36, 1170-2	3	22
520	Control of light transmission in laser-written phase-shifted Bragg grating couplers. <i>Optics Letters</i> , <b>2011</b> , 36, 1380-2	3	5
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513	Observation of tunneling of slow and fast electromagnetic modes in coupled periodic waveguides. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 061909	3.4	6
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511	Interface modes in nanostructured metal-dielectric metamaterials. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 151914	3.4	40
510	Generation and near-field imaging of Airy surface plasmons. <i>Physical Review Letters</i> , <b>2011</b> , 107, 116802	7.4	267
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489	Tunable fishnet metamaterials infiltrated by liquid crystals. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 193103	3.4	76
488	Giant optical manipulation. <i>Physical Review Letters</i> , <b>2010</b> , 105, 118103	7.4	200
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486	Suppression of thermal conductivity in graphene nanoribbons with rough edges. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	139
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477	Soliton bending and routing induced by interaction with curved surfaces in nematic liquid crystals. <i>Optics Letters</i> , <b>2010</b> , 35, 1692-4	3	38
476	Counterpropagating solitons at boundary of photonic lattices. <i>Optics Letters</i> , <b>2010</b> , 35, 2355-7	3	
475	Observation of localized modes at phase slips in two-dimensional photonic lattices. <i>Optics Letters</i> , <b>2010</b> , 35, 2738-40	3	9
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471	Focusing-to-defocusing crossover in nonlinear periodic structures. <i>Optics Letters</i> , <b>2010</b> , 35, 3213-5	3	2
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119	Stability of Three-Wave Parametric Solitons in Diffractive Quadratic Media. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5210-5213	7.4	86
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110	Gap solitons due to cascading. <i>Physical Review E</i> , <b>1995</b> , 51, 1613-1615	2.4	41
109	Soliton pinning by long-range order in aperiodic systems. <i>Physical Review E</i> , <b>1995</b> , 52, R2183-R2186	2.4	25
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104	Asymmetric impurity modes in nonlinear lattices. <i>Physical Review B</i> , <b>1995</b> , 51, 3218-3221	3.3	13
103	Kinks and conformational defects in nonlinear chains. <i>Physical Review E</i> , <b>1995</b> , 51, 3774-3777	2.4	9
102	Instability of solitons governed by quadratic nonlinearities. <i>Physical Review Letters</i> , <b>1995</b> , 75, 591-595	7.4	134

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100	Dark solitons in dispersive quadratic media. <i>Optics Letters</i> , <b>1995</b> , 20, 834-6	3	25
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97	Optical solitons supported by competing nonlinearities. <i>Optics Letters</i> , <b>1995</b> , 20, 1961-3	3	58
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88	Dark solitons on backgrounds of finite extent. <i>Optics Communications</i> , <b>1994</b> , 107, 93-98	2	19
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64	Raman-induced optical shocks in nonlinear fibers. <i>Optics Letters</i> , <b>1993</b> , 18, 485-7	3	51
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38	Solitons in a nonlinear elastic medium. <i>Physical Review B</i> , <b>1991</b> , 43, 3493-3499	3.3	12
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