

Ranjan Singh

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.

217
papers

14,447
citations

68
h-index

113
g-index

261
ext. papers

17,519
ext. citations

8
avg, IF

6.97
L-index

#	Paper	IF	Citations
217	Photoswitchable Anapole Metasurfaces. <i>Advanced Optical Materials</i> , 2022 , 10, 2102284	8.1	0
216	On-Chip Active Control of Ultra-High-Q Terahertz Photonic Topological Cavities.. <i>Advanced Materials</i> , 2022 , e2202370	24	6
215	Terahertz spintronic magnetometer (TSM). <i>Applied Physics Letters</i> , 2022 , 120, 161104	3.4	1
214	Temporal loss boundary engineered photonic cavity. <i>Nature Communications</i> , 2021 , 12, 6940	17.4	5
213	Dynamic Color Generation with Electrically Tunable Thin Film Optical Coatings. <i>Nano Letters</i> , 2021 , 21, 10070-10075	11.5	3
212	Space-Time Wave Packets from Smith-Purcell Radiation. <i>Advanced Science</i> , 2021 , 8, e2100925	13.6	4
211	Electrically Tunable All-PCM Visible Plasmonics. <i>Nano Letters</i> , 2021 , 21, 4044-4050	11.5	4
210	Active Control of Nanodielectric-Induced THz Quasi-BIC in Flexible Metasurfaces: A Platform for Modulation and Sensing. <i>Advanced Materials</i> , 2021 , 33, e2100836	24	40
209	Terahertz Microfluidic Sensing with Dual-Torus Toroidal Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2100024	8.1	14
208	Nonlinear THz-Nano Metasurfaces: Nonlinear THz-Nano Metasurfaces (Adv. Funct. Mater. 24/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170170	15.6	2
207	Extended Bound States in the Continuum with Symmetry-Broken Terahertz Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2002001	8.1	24
206	Volatile Ultrafast Switching at Multilevel Nonvolatile States of Phase Change Material for Active Flexible Terahertz Metadevices. <i>Advanced Functional Materials</i> , 2021 , 31, 2100200	15.6	19
205	Nonlinear THz-Nano Metasurfaces. <i>Advanced Functional Materials</i> , 2021 , 31, 2100463	15.6	13
204	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. <i>Science Advances</i> , 2021 , 7,	14.3	30
203	Ultrafast Photo-Thermal Switching of Terahertz Spin Currents. <i>Advanced Functional Materials</i> , 2021 , 31, 2010453	15.6	14
202	High Mobility 3D Dirac Semimetal (Cd3As2) for Ultrafast Photoactive Terahertz Photonics. <i>Advanced Functional Materials</i> , 2021 , 31, 2011011	15.6	22
201	Electrically Tunable Singular Phase and Goos-Hñchen Shifts in Phase-Change-Material-Based Thin-Film Coatings as Optical Absorbers. <i>Advanced Materials</i> , 2021 , 33, e2006926	24	11

200	Terahertz MEMS metadevices. <i>Journal of Micromechanics and Microengineering</i> , 2021 , 31, 113001	2	9
199	Terahertz Band Communications with Topological Valley Photonic Crystal Waveguide. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	4
198	Spatiotemporal Dielectric Metasurfaces for Unidirectional Propagation and Reconfigurable Steering of Terahertz Beams. <i>Advanced Materials</i> , 2020 , 32, e2001418	24	35
197	Dynamic properties of high-T superconducting nano-junctions made with a focused helium ion beam. <i>Scientific Reports</i> , 2020 , 10, 10256	4.9	4
196	Toroidal metasurfaces in a 2D flatland. <i>Reviews in Physics</i> , 2020 , 5, 100040	11.3	23
195	Excitons in 2D perovskites for ultrafast terahertz photonic devices. <i>Science Advances</i> , 2020 , 6, eaax8821	14.3	53
194	Lattice-Enhanced Fano Resonances from Bound States in the Continuum Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 1901572	8.1	30
193	Frequency-Agile Temporal Terahertz Metamaterials. <i>Advanced Optical Materials</i> , 2020 , 8, 2000101	8.1	20
192	Terahertz topological photonics for on-chip communication. <i>Nature Photonics</i> , 2020 , 14, 446-451	33.9	174
191	50-Gbit/s Terahertz Communication using a Valley Photonic Crystal Waveguide 2020 ,		1
190	Guided-mode resonances in flexible 2D terahertz photonic crystals. <i>Optica</i> , 2020 , 7, 537	8.6	7
189	Hyperbolic dispersion metasurfaces for molecular biosensing. <i>Nanophotonics</i> , 2020 , 10, 295-314	6.3	19
188	Hyperbolic dispersion metamaterials and metasurfaces. <i>EPJ Applied Metamaterials</i> , 2020 , 7, 11	0.8	1
187	Mie-Resonant Membrane Huygens ^T Metasurfaces. <i>Advanced Functional Materials</i> , 2020 , 30, 1906851	15.6	21
186	Active Control of Asymmetric Fano Resonances with GrapheneSilicon-Integrated Terahertz Metamaterials. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900840	6.8	19
185	Attenuated Total Reflection for Terahertz Modulation, Sensing, Spectroscopy and Imaging Applications: A Review. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4688	2.6	4
184	A terahertz Brewster switch based on superconductor hyperbolic metamaterial. <i>Journal of Applied Physics</i> , 2020 , 128, 173106	2.5	1
183	Polarization-Sensitive Dielectric Membrane Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 2000555	8.1	7

182	Guided-Mode Resonances in All-Dielectric Terahertz Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 1900959	8.1	25
181	Terahertz Sensing with Optimized Q/Veff Metasurface Cavities. <i>Advanced Optical Materials</i> , 2020 , 8, 1902025	8.1	31
180	Highly monodisperse zwitterion functionalized non-spherical polymer particles with tunable iridescence.. <i>RSC Advances</i> , 2019 , 9, 27199-27207	3.7	5
179	Chalcogenide Phase Change Material for Active Terahertz Photonics. <i>Advanced Materials</i> , 2019 , 31, e1808157	8.1	95
178	Generalized Brewster Angle Effect in Thin-Film Optical Absorbers and Its Application for Graphene Hydrogen Sensing. <i>ACS Photonics</i> , 2019 , 6, 1610-1617	6.3	24
177	Surface Lattice Resonances in THz Metamaterials. <i>Photonics</i> , 2019 , 6, 75	2.2	16
176	New Directions in Thin Film Nanophotonics. <i>Progress in Optical Science and Photonics</i> , 2019 ,	0.3	1
175	Solution-Processed Lead Iodide for Ultrafast All-Optical Switching of Terahertz Photonic Devices. <i>Advanced Materials</i> , 2019 , 31, e1901455	24	48
174	Symmetry-Protected Dual Bound States in the Continuum in Metamaterials. <i>Advanced Optical Materials</i> , 2019 , 7, 1900383	8.1	88
173	Phase-Change-Material-Based Low-Loss Visible-Frequency Hyperbolic Metamaterials for Ultrasensitive Label-Free Biosensing. <i>Advanced Optical Materials</i> , 2019 , 7, 1900081	8.1	43
172	Brewster Mode-Enhanced Sensing with Hyperbolic Metamaterial. <i>Advanced Optical Materials</i> , 2019 , 7, 1900680	8.1	39
171	All-Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. <i>Advanced Materials</i> , 2019 , 31, e1901921	24	106
170	Phase Change Material-Based Nanophotonic Cavities for Reconfigurable Photonic Device Applications. <i>Progress in Optical Science and Photonics</i> , 2019 , 45-58	0.3	1
169	Valley Kink States and Topological Channel Intersections in Substrate-Integrated Photonic Circuitry. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900159	8.3	24
168	Terahertz sensing of 7 nm dielectric film with bound states in the continuum metasurfaces. <i>Applied Physics Letters</i> , 2019 , 115, 151105	3.4	93
167	Electrically Programmable Terahertz Diatomic Metamolecules for Chiral Optical Control. <i>Research</i> , 2019 , 2019, 1-11	7.8	3
166	Electrically Programmable Terahertz Diatomic Metamolecules for Chiral Optical Control. <i>Research</i> , 2019 , 2019, 7084251	7.8	25
165	Realization of Point-of-Darkness and Extreme Phase Singularity in Nanophotonic Cavities. <i>Progress in Optical Science and Photonics</i> , 2019 , 29-44	0.3	

164	Super-collimation and negative refraction in hyperbolic Van der Waals superlattices. <i>Optics Communications</i> , 2019 , 440, 150-154	2	7
163	Terahertz biosensing with a graphene-metamaterial heterostructure platform. <i>Carbon</i> , 2019 , 141, 247-250.	4	82
162	Microfluidics Integrated Lithography-Free Nanophotonic Biosensor for the Detection of Small Molecules. <i>Advanced Optical Materials</i> , 2019 , 7, 1801313	8.1	13
161	Realization of a three-dimensional photonic topological insulator. <i>Nature</i> , 2019 , 565, 622-626	50.4	148
160	Wide Bandgap Phase Change Material Tuned Visible Photonics. <i>Advanced Functional Materials</i> , 2019 , 29, 1806181	15.6	103
159	Roadmap on plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 043001	1.7	174
158	Giant enhancement in Goos-Hänchen shift at the singular phase of a nanophotonic cavity. <i>Applied Physics Letters</i> , 2018 , 112, 161109	3.4	17
157	Ge Sb Te -Based Tunable Perfect Absorber Cavity with Phase Singularity at Visible Frequencies. <i>Advanced Materials</i> , 2018 , 30, e1706696	24	54
156	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. <i>Nature Communications</i> , 2018 , 9, 369	17.4	65
155	Ultrafast All-Optical Switching of Germanium-Based Flexible Metaphotonic Devices. <i>Advanced Materials</i> , 2018 , 30, 1705331	24	85
154	Universal behaviour of high-Q Fano resonances in metamaterials: terahertz to near-infrared regime. <i>Nano Convergence</i> , 2018 , 5, 5	9.2	26
153	High-Q Fano resonances via direct excitation of an antisymmetric dark mode. <i>Optics Letters</i> , 2018 , 43, 3818-3821	3	9
152	Shaping High-Q Planar Fano Resonant Metamaterials toward Futuristic Technologies. <i>Advanced Optical Materials</i> , 2018 , 6, 1800502	8.1	34
151	Nanofluidic terahertz metasensor for sensing in aqueous environment. <i>Applied Physics Letters</i> , 2018 , 113, 071105	3.4	63
150	A Superconducting Dual-Channel Photonic Switch. <i>Advanced Materials</i> , 2018 , 30, e1801257	24	62
149	Magnetic Hyperbolic Metasurface: Concept, Design, and Applications. <i>Advanced Science</i> , 2018 , 5, 1801495.	3.6	17
148	Ultrafast THz photophysics of solvent engineered triple-cation halide perovskites. <i>Journal of Applied Physics</i> , 2018 , 124, 215106	2.5	4
147	Reconfigurable MEMS Fano metasurfaces with multiple-input-output states for logic operations at terahertz frequencies. <i>Nature Communications</i> , 2018 , 9, 4056	17.4	124

146	Large-Area Silver-Stibnite Nanoporous Plasmonic Films for Label-Free Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34991-34999	9.5	17
145	A Metamaterial Analog of the Ising Model. <i>Advanced Materials</i> , 2018 , 30, e1804210	24	20
144	Lattice induced strong coupling and line narrowing of split resonances in metamaterials. <i>Applied Physics Letters</i> , 2018 , 112, 201111	3.4	30
143	Color-Sensitive Ultrafast Optical Modulation and Switching of Terahertz Plasmonic Devices. <i>Advanced Optical Materials</i> , 2018 , 6, 1800030	8.1	16
142	Active Control of Resonant Cloaking in a Terahertz MEMS Metamaterial. <i>Advanced Optical Materials</i> , 2018 , 6, 1800141	8.1	40
141	All-optical active THz metasurfaces for ultrafast polarization switching and dynamic beam splitting. <i>Light: Science and Applications</i> , 2018 , 7, 28	16.7	120
140	A Toroidal Metamaterial Switch. <i>Advanced Materials</i> , 2018 , 30, 1704845	24	84
139	Microfluidic metamaterial sensor: Selective trapping and remote sensing of microparticles. <i>Journal of Applied Physics</i> , 2017 , 121, 023102	2.5	55
138	Active MEMS metamaterials for THz bandwidth control. <i>Applied Physics Letters</i> , 2017 , 110, 161108	3.4	30
137	Perovskite as a Platform for Active Flexible Metaphotonic Devices. <i>ACS Photonics</i> , 2017 , 4, 1595-1601	6.3	62
136	Active Phase Transition via Loss Engineering in a Terahertz MEMS Metamaterial. <i>Advanced Materials</i> , 2017 , 29, 1700733	24	87
135	Ultra-high terahertz index in deep subwavelength coupled bi-layer free-standing flexible metamaterials. <i>Journal of Applied Physics</i> , 2017 , 121, 233103	2.5	9
134	Hybrid Lead Halide Perovskites for Ultrasensitive Photoactive Switching in Terahertz Metamaterial Devices. <i>Advanced Materials</i> , 2017 , 29, 1605881	24	116
133	Sensing with toroidal metamaterial. <i>Applied Physics Letters</i> , 2017 , 110, 121108	3.4	131
132	Defect-Induced Fano Resonances in Corrugated Plasmonic Metamaterials. <i>Advanced Optical Materials</i> , 2017 , 5, 1600960	8.1	84
131	MoS2 for Ultrafast All-Optical Switching and Modulation of THz Fano Metaphotonic Devices. <i>Advanced Optical Materials</i> , 2017 , 5, 1700762	8.1	110
130	Tailoring the multipoles in THz toroidal metamaterials. <i>Applied Physics Letters</i> , 2017 , 111, 081108	3.4	28
129	High-Q plasmonic infrared absorber for sensing of molecular resonances in hybrid lead halide perovskites. <i>Journal of Applied Physics</i> , 2017 , 122, 073101	2.5	14

128	Toroidal and magnetic Fano resonances in planar THz metamaterials. <i>Journal of Applied Physics</i> , 2017 , 122, 113105	2.5	21
127	Near-infrared linewidth narrowing in plasmonic Fano-resonant metamaterials via tuning of multipole contributions. <i>Applied Physics Letters</i> , 2017 , 111, 061104	3.4	26
126	Impact of conductivity on Lorentzian and Fano resonant high-Q THz metamaterials: Superconductor, metal and perfect electric conductor. <i>Journal of Applied Physics</i> , 2017 , 122, 183104	2.5	18
125	Dual-surface flexible THz Fano metasensor. <i>Applied Physics Letters</i> , 2017 , 111, 201101	3.4	78
124	Active control and switching of broadband electromagnetically induced transparency in symmetric metadevices. <i>Applied Physics Letters</i> , 2017 , 111, 021101	3.4	72
123	Active Photoswitching of Sharp Fano Resonances in THz Metadevices. <i>Advanced Materials</i> , 2017 , 29, 1603255	3.5	144
122	High-Q Plasmonic Fano Resonance for Multiband Surface-Enhanced Infrared Absorption of Molecular Vibrational Sensing. <i>Advanced Optical Materials</i> , 2017 , 5, 1600559	8.1	50
121	Active Multifunctional Microelectromechanical System Metadevices: Applications in Polarization Control, Wavefront Deflection, and Holograms. <i>Advanced Optical Materials</i> , 2017 , 5, 1600716	8.1	84
120	Bidirectional reconfiguration and thermal tuning of microcantilever metamaterial device operating from 77 K to 400 K. <i>Applied Physics Letters</i> , 2017 , 111, 261101	3.4	25
119	Terahertz sensing of highly absorptive water-methanol mixtures with multiple resonances in metamaterials. <i>Optics Express</i> , 2017 , 25, 14089-14097	3.3	43
118	Magnetic annihilation of the dark mode in a strongly coupled bright-dark terahertz metamaterial. <i>Optics Letters</i> , 2017 , 42, 2106-2109	3	32
117	Accessing the High-Q Dark Plasmonic Fano Resonances in Superconductor Metasurfaces. <i>Advanced Optical Materials</i> , 2016 , 4, 1875-1881	8.1	44
116	High-Q Whispering-Gallery-Mode-Based Plasmonic Fano Resonances in Coupled Metallic Metasurfaces at Near Infrared Frequencies. <i>Advanced Optical Materials</i> , 2016 , 4, 1295-1301	8.1	27
115	Sharp Toroidal Resonances in Planar Terahertz Metasurfaces. <i>Advanced Materials</i> , 2016 , 28, 8206-8211	2.4	115
114	Tunable electromagnetically induced transparency in coupled three-dimensional split-ring-resonator metamaterials. <i>Scientific Reports</i> , 2016 , 6, 20801	4.9	38
113	Broadband metasurface holograms: toward complete phase and amplitude engineering. <i>Scientific Reports</i> , 2016 , 6, 32867	4.9	103
112	A multiband perfect absorber based on hyperbolic metamaterials. <i>Scientific Reports</i> , 2016 , 6, 26272	4.9	65
111	Ultrahigh-Q Fano Resonances in Terahertz Metasurfaces: Strong Influence of Metallic Conductivity at Extremely Low Asymmetry. <i>Advanced Optical Materials</i> , 2016 , 4, 457-463	8.1	75

110	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fano-Lorentzian Metasurfaces: A Classical Analog of a Four-Level Tripod Quantum System. <i>Advanced Optical Materials</i> , 2016 , 4, 1179-1185	8.1	24
109	Extreme sensitivity biosensing platform based on hyperbolic metamaterials. <i>Nature Materials</i> , 2016 , 15, 621-7	27	453
108	Plasmon-Exciton Resonant Energy Transfer: Across Scales Hybrid Systems. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-21	3.2	20
107	Reconfigurable Digital Metamaterial for Dynamic Switching of Terahertz Anisotropy. <i>Advanced Optical Materials</i> , 2016 , 4, 391-398	8.1	42
106	Near-Field Inductive Coupling Induced Polarization Control in Metasurfaces. <i>Advanced Optical Materials</i> , 2016 , 4, 848-852	8.1	30
105	Active Control of Electromagnetically Induced Transparency Analog in Terahertz MEMS Metamaterial. <i>Advanced Optical Materials</i> , 2016 , 4, 541-547	8.1	150
104	Nonradiative and Radiative Resonances in Coupled Metamolecules. <i>Advanced Optical Materials</i> , 2016 , 4, 252-258	8.1	11
103	Observation of Fano resonance and classical analog of electromagnetically induced transparency in toroidal metamaterials. <i>Annalen Der Physik</i> , 2016 , 528, 352-357	2.6	39
102	Inter and intra-metamolecular interaction enabled broadband high-efficiency polarization control in metasurfaces. <i>Applied Physics Letters</i> , 2016 , 108, 011110	3.4	21
101	Near-field surface plasmons on quasicrystal metasurfaces. <i>Scientific Reports</i> , 2016 , 6, 26	4.9	14
100	Active control of electromagnetically induced transparency with dual dark mode excitation pathways using MEMS based tri-atomic metamolecules. <i>Applied Physics Letters</i> , 2016 , 109, 211103	3.4	38
99	Active control of near-field coupling in conductively coupled microelectromechanical system metamaterial devices. <i>Applied Physics Letters</i> , 2016 , 108, 111102	3.4	53
98	High-Q lattice mode matched structural resonances in terahertz metasurfaces. <i>Applied Physics Letters</i> , 2016 , 109, 021108	3.4	30
97	Monolayer graphene sensing enabled by the strong Fano-resonant metasurface. <i>Nanoscale</i> , 2016 , 8, 17278-17284	7.7	82
96	Toroidal versus Fano Resonances in High Q planar THz Metamaterials. <i>Advanced Optical Materials</i> , 2016 , 4, 2119-2125	8.1	79
95	Lattice-induced transparency in planar metamaterials. <i>Physical Review B</i> , 2016 , 94,	3.3	73
94	Enhancing the Angular Sensitivity of Plasmonic Sensors Using Hyperbolic Metamaterials. <i>Advanced Optical Materials</i> , 2016 , 4, 1767-1772	8.1	55
93	Independent Tailoring of Super-Radiant and Sub-Radiant Modes in High-Q Plasmonic Fano Resonant Metasurfaces. <i>Advanced Optical Materials</i> , 2016 , 4, 1860-1866	8.1	15

92	Metamaterials: Active Control of Electromagnetically Induced Transparency Analog in Terahertz MEMS Metamaterial (Advanced Optical Materials 4/2016). <i>Advanced Optical Materials</i> , 2016 , 4, 540-540	8.1	3
91	Polarization Control in Terahertz Metasurfaces with the Lowest Order Rotational Symmetry. <i>Advanced Optical Materials</i> , 2015 , 3, 1176-1183	8.1	72
90	Dual control of active graphene-silicon hybrid metamaterial devices. <i>Carbon</i> , 2015 , 90, 146-153	10.4	63
89	Active graphene-silicon hybrid diode for terahertz waves. <i>Nature Communications</i> , 2015 , 6, 7082	17.4	168
88	Multispectral terahertz sensing with highly flexible ultrathin metamaterial absorber. <i>Journal of Applied Physics</i> , 2015 , 118, 083103	2.5	142
87	Tailoring the slow light behavior in terahertz metasurfaces. <i>Applied Physics Letters</i> , 2015 , 106, 181101	3.4	100
86	Engineering the fano resonance and electromagnetically induced transparency in near-field coupled bright and dark metamaterial. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 035104	3	27
85	Collective coherence in nearest neighbor coupled metamaterials: A metasurface ruler equation. <i>Journal of Applied Physics</i> , 2015 , 118, 163102	2.5	13
84	Resonance tuning due to Coulomb interaction in strong near-field coupled metamaterials. <i>Journal of Applied Physics</i> , 2015 , 118, 023104	2.5	22
83	Fano Resonances in Terahertz Metasurfaces: A Figure of Merit Optimization. <i>Advanced Optical Materials</i> , 2015 , 3, 1537-1543	8.1	125
82	Anomalous Surface Wave Launching by Handedness Phase Control. <i>Advanced Materials</i> , 2015 , 27, 7123-924	9.4	38
81	Graphene-Gold Metasurface Architectures for Ultrasensitive Plasmonic Biosensing. <i>Advanced Materials</i> , 2015 , 27, 6163-9	24	206
80	A Tunable Dispersion-Free Terahertz Metadevice with Pancharatnam-Berry-Phase-Enabled Modulation and Polarization Control. <i>Advanced Materials</i> , 2015 , 27, 6630-6	24	83
79	Ultra-high Q even eigenmode resonance in terahertz metamaterials. <i>Applied Physics Letters</i> , 2015 , 106, 011102	3.4	57
78	Electromagnetically induced absorption in a three-resonator metasurface system. <i>Scientific Reports</i> , 2015 , 5, 10737	4.9	55
77	Dynamic mode coupling in terahertz metamaterials. <i>Scientific Reports</i> , 2015 , 5, 10823	4.9	31
76	Terahertz metasurfaces with a high refractive index enhanced by the strong nearest neighbor coupling. <i>Optics Express</i> , 2015 , 23, 29222-30	3.3	33
75	Experimental demonstration of ultrasensitive sensing with terahertz metamaterial absorbers: A comparison with the metasurfaces. <i>Applied Physics Letters</i> , 2015 , 106, 031107	3.4	324

74	Terahertz Metamaterials with Ultrahigh Angular Sensitivity. <i>Advanced Optical Materials</i> , 2015 , 3, 642-645.	3.1	24
73	Large spontaneous emission rate enhancement in grating coupled hyperbolic metamaterials. <i>Scientific Reports</i> , 2014 , 4, 6340	4.9	68
72	Corrections to "Near field coupling in passive and active teraHertz metamaterial devices" [Nov 13 783-790]. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 400-400	3.4	1
71	Ultrasensitive terahertz sensing with high-Q Fano resonances in metasurfaces. <i>Applied Physics Letters</i> , 2014 , 105, 171101	3.4	398
70	Probing the transition from an uncoupled to a strong near-field coupled regime between bright and dark mode resonators in metasurfaces. <i>Applied Physics Letters</i> , 2014 , 105, 081108	3.4	47
69	Highly flexible broadband terahertz metamaterial quarter-wave plate. <i>Laser and Photonics Reviews</i> , 2014 , 8, 626-632	8.3	165
68	Observation of electromagnetically induced absorption in a three-resonator system 2014 ,		1
67	Resonance properties of THz plasmonic dipole-bowtie antenna array: The critical role of the substrate. <i>Chinese Physics B</i> , 2014 , 23, 128702	1.2	4
66	Special issue on mid-infrared and THz photonics. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 090201	1.7	8
65	MANIPULATING THE POLARIZATION OF TERAHERTZ WAVES WITH METAMATERIAL DEVICES. <i>Journal of Molecular and Engineering Materials</i> , 2014 , 02, 1440008	1.3	1
64	Efficient flat metasurface lens for terahertz imaging. <i>Optics Express</i> , 2014 , 22, 25931-9	3.3	117
63	Enhanced Q-factor in Optimally Coupled Macrocell THz Metamaterials: Effect of Spatial Arrangement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8400807-8400807	3.8	14
62	Influence of film thickness in THz active metamaterial devices: A comparison between superconductor and metal split-ring resonators. <i>Applied Physics Letters</i> , 2013 , 103, 061117	3.4	18
61	Ultrafast manipulation of near field coupling between bright and dark modes in terahertz metamaterial. <i>Applied Physics Letters</i> , 2013 , 102, 011122	3.4	79
60	Near Field Coupling in Passive and Active Terahertz Metamaterial Devices. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 783-790	3.4	26
59	A Metamaterial-Based Terahertz Low-Pass Filter With Low Insertion Loss and Sharp Rejection. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 832-837	3.4	24
58	Plasmon-induced transparency in metamaterials: Active near field coupling between bright superconducting and dark metallic mode resonators. <i>Applied Physics Letters</i> , 2013 , 103, 101106	3.4	154
57	Novel THz Metamaterial Designs: From Near- and Far-Field Coupling to High-Q Resonances. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 772-782	3.4	29

56	A perfect metamaterial polarization rotator. <i>Applied Physics Letters</i> , 2013 , 103, 171107	3.4	243
55	The Fano Resonance in Symmetry Broken Terahertz Metamaterials. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 820-826	3.4	78
54	Experimental demonstration of surface and bulk plasmon polaritons in hypergratings. <i>Scientific Reports</i> , 2013 , 3, 3291	4.9	83
53	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8400707-8400707	3.8	44
52	A review of terahertz plasmonics in subwavelength holes on conducting films. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8400416-8400416	3.8	24
51	Resonant field enhancement of terahertz waves in subwavelength plasmonic structures 2013 , 272-294		1
50	Nonlinear high-temperature superconducting terahertz metamaterials. <i>New Journal of Physics</i> , 2013 , 15, 105016	2.9	31
49	Tailoring terahertz plasmons with silver nanorod arrays. <i>Scientific Reports</i> , 2013 , 3,	4.9	19
48	Metamaterial inspired terahertz devices: from ultra-sensitive sensing to near field manipulation. <i>Chinese Optics Letters</i> , 2013 , 11, 011602-11606	2.2	7
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