

Yuanjiang Xiang

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.

219
papers

6,836
citations

43
h-index

75
g-index

239
ext. papers

8,392
ext. citations

4.6
avg, IF

6.24
L-index

#	Paper	IF	Citations
219	All-optical logic devices based on black arsenic phosphorus with strong nonlinear optical response and high stability. <i>Opto-Electronic Advances</i> , 2022 , 5, 200046-200046	6.5	6
218	Engineering rainbow trapping and releasing in valley photonic crystal with electro-optical material. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022 , 39, 1241	1.7	0
217	Topological slow light rainbow trapping and releasing based on gradient valley photonic crystal. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	1
216	Low threshold optical bistability based on topological edge state in photonic crystal heterostructure with Dirac semimetal. <i>Optics Express</i> , 2022 , 30, 20847	3.3	2
215	Self-Referenced Refractive Index Biosensing with Graphene Fano Resonance Modes. <i>Biosensors</i> , 2021 , 11,	5.9	1
214	Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. <i>Research</i> , 2021 , 2021, 5608038	7.8	6
213	Tunable GH shifts in Weyl thin films on a Weyl substrate. <i>Journal of Applied Physics</i> , 2021 , 129, 153103	2.5	2
212	Enhanced spin Hall effect due to the redshift gaps of photonic hypercrystals. <i>Optics Express</i> , 2021 , 29, 12160-12168	3.3	11
211	Enhanced Interaction of Optical Phonons in h-BN with Plasmonic Lattice and Cavity Modes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25224-25233	9.5	2
210	Dynamically reconfigurable topological states in photonic crystals with liquid crystals. <i>Optics Letters</i> , 2021 , 46, 2589-2592	3	4
209	Lossy-mode-resonance sensor based on perovskite nanomaterial with high sensitivity. <i>Optics Express</i> , 2021 , 29, 17602-17612	3.3	2
208	Graphene Tamm plasmon-induced enhanced and tunable photonic spin hall effect of reflected light in terahertz band. <i>Results in Physics</i> , 2021 , 25, 104300	3.7	2
207	High Figure of Merit in Lossy Mode Resonance Sensors with PtSe ₂ Thin Film. <i>Plasmonics</i> , 2021 , 16, 729-735	3.4	1
206	A 20-Gbps Beam-Steered Infrared Wireless Link Enabled by a Passively Field-Programmable Metasurface. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000266	8.3	5
205	Highly Sensitive Surface Plasmon Resonance Sensor Modified With 2D TiO ₂ MXene for Solution Detection. <i>IEEE Sensors Journal</i> , 2021 , 21, 347-352	4	4
204	Two-dimensional semiconducting antimonene in nanophotonic applications A review. <i>Chemical Engineering Journal</i> , 2021 , 406, 126876	14.7	14
203	Veselago lensing with Weyl metamaterials. <i>Optica</i> , 2021 , 8, 249	8.6	5

202	Fragile topology in double-site honeycomb lattice photonic crystal. <i>Optics Letters</i> , 2021 , 46, 3941-3944	3	4
201	Ultrasensitive and Tunable Sensor Based on Plasmon-Induced Transparency in a Black Phosphorus Metasurface. <i>Plasmonics</i> , 2021 , 16, 1071-1077	2.4	4
200	Facet engineering of LaNbON ₂ transformed from LaKNaNbO ₅ for enhanced photocatalytic O ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11743-11751	13	11
199	Photonic topological Fermi nodal disk in non-Hermitian magnetic plasma. <i>Light: Science and Applications</i> , 2020 , 9, 40	16.7	5
198	Facile p-Doping of Few-Layer MoTe ₂ by Controllable Surface Oxidation toward High-Performance Complementary Devices. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 920-926	4	11
197	High-Sensitivity Terahertz Refractive Index Sensor in a Multilayered Structure with Graphene. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
196	Liquid-Exfoliated Few-Layer InSe Nanosheets for Broadband Nonlinear All-Optical Applications. <i>Advanced Optical Materials</i> , 2020 , 8, 1901862	8.1	9
195	1D@0D hybrid dimensional heterojunction-based photonics logical gate and isolator. <i>Applied Materials Today</i> , 2020 , 19, 100589	6.6	12
194	Topological insulator overlayer to enhance the sensitivity and detection limit of surface plasmon resonance sensor. <i>Nanophotonics</i> , 2020 , 9, 1941-1951	6.3	9
193	Gain- and Loss-Induced Topological Insulating Phase in a Non-Hermitian Electrical Circuit. <i>Physical Review Applied</i> , 2020 , 13,	4.3	24
192	Fragile topology based helical edge states in two-dimensional moon-shaped photonic crystals. <i>Physical Review B</i> , 2020 , 102,	3.3	7
191	Enhancement of graphene Faraday rotation in the one-dimensional topological photonic crystals. <i>Optics Express</i> , 2020 , 28, 24560-24567	3.3	7
190	Liquid phase exfoliated boron nanosheets for all-optical modulation and logic gates. <i>Science Bulletin</i> , 2020 , 65, 1030-1038	10.6	9
189	Optical Generation/Detection of Broadband Microwave Orbital Angular Momentum Modes. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1202-1209	4	6
188	Ultrasensitive Multiple Guided-Mode Biosensor With Few-Layer Black Phosphorus. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1564-1571	4	9
187	Observation of Non-Abelian Nodal Links in Photonics. <i>Physical Review Letters</i> , 2020 , 125, 033901	7.4	17
186	Moiré Fringe Induced Gauge Field in Photonics. <i>Physical Review Letters</i> , 2020 , 125, 203901	7.4	6
185	Nonlinear absorption-induced transparency and extinction of boron nanosheets. <i>Optical Materials</i> , 2020 , 108, 110199	3.3	2

184	Recent Advances of Spatial Self-Phase Modulation in 2D Materials and Passive Photonic Device Applications. <i>Small</i> , 2020 , 16, e2002252	11	11
183	Octupole corner state in a three-dimensional topological circuit. <i>Light: Science and Applications</i> , 2020 , 9, 145	16.7	14
182	Bandgap Engineering of Hydroxy-Functionalized Borophene for Superior Photo-Electrochemical Performance. <i>Angewandte Chemie</i> , 2020 , 132, 23765-23769	3.6	2
181	Recent Advances in Spatial Self-Phase Modulation with 2D Materials and its Applications. <i>Annalen Der Physik</i> , 2020 , 532, 2000322	2.6	13
180	Bandgap Engineering of Hydroxy-Functionalized Borophene for Superior Photo-Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23559-23563	16.4	14
179	Integrated Tunable Phase Shifter Based on Energy-Conserved Phase Amplification and Its Application for RF-OAM Generation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 1-1	3.8	
178	Low-Threshold and Tunable Optical Bistability Based on Topological Edge State in One-Dimensional Photonic Crystal Heterostructure With Graphene. <i>IEEE Access</i> , 2020 , 8, 196386-196393	3.5	5
177	GeSe nanosheets modified surface plasmon resonance sensors for enhancing sensitivity. <i>Nanophotonics</i> , 2020 , 9, 327-336	6.3	13
176	Tunable and Multichannel Terahertz Perfect Absorber Due to Tamm Plasmons with Topological Insulators. <i>Plasmonics</i> , 2020 , 15, 83-91	2.4	4
175	Giant tunable Goos-Hänchen shifts based on surface plasmon resonance with Dirac semimetal films. <i>Journal Physics D: Applied Physics</i> , 2019 , 53, 015107	3	6
174	Theoretical Investigation of Multilayer Ti ₃ C ₂ T _x MXene as the Plasmonic Material for Surface Plasmon Resonance Sensors in Near Infrared Region. <i>IEEE Sensors Journal</i> , 2019 , 19, 11834-11838	4	19
173	Tunable mid-infrared perfect absorber based on the critical coupling of graphene and black phosphorus nanoribbons. <i>Results in Physics</i> , 2019 , 15, 102677	3.7	4
172	Excitation of graphene magneto-plasmons in terahertz range and giant Kerr rotation. <i>Journal of Applied Physics</i> , 2019 , 125, 013102	2.5	4
171	Observation of Three-Dimensional Photonic Dirac Points and Spin-Polarized Surface Arcs. <i>Physical Review Letters</i> , 2019 , 122, 203903	7.4	31
170	Photodetectors: Enhanced Photodetection Properties of Tellurium@Selenium Roll-to-Roll Nanotube Heterojunctions (Small 23/2019). <i>Small</i> , 2019 , 15, 1970125	11	8
169	Sensitivity enhancement of surface plasmon resonance sensors with 2D franckeite nanosheets. <i>Results in Physics</i> , 2019 , 13, 102320	3.7	23
168	Enhanced Photodetection Properties of Tellurium@Selenium Roll-to-Roll Nanotube Heterojunctions. <i>Small</i> , 2019 , 15, e1900902	11	57
167	Tunable polaritonic metasurface absorbers in mid-IR based on hexagonal boron nitride and vanadium dioxide layers. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 164002	3	21

166	Application of Few-Layer Transition Metal Dichalcogenides to Detect the Refractive Index Variation in Lossy-Mode Resonance Sensors With High Figure of Merit. <i>IEEE Sensors Journal</i> , 2019 , 19, 5030-5034	4	9
165	A 22-37 GHz low noise amplifier with 2.8 dB mean noise figure and +22.9 dBm output 3rd-order intercept point for 5th generation applications. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2202-2205	1.2	2
164	Broadband nonlinear optical response in Bi ₂ Se ₃ -Bi ₂ Te ₃ heterostructure and its application in all-optical switching. <i>AIP Advances</i> , 2019 , 9, 025022	1.5	11
163	Kerr Nonlinearity in 2D Graphdiyne for Passive Photonic Diodes. <i>Advanced Materials</i> , 2019 , 31, e1807981	1.4	136
162	A promising nonlinear optical material and its applications for all-optical switching and information converters based on the spatial self-phase modulation (SSPM) effect of TaSe ₂ nanosheets. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3811-3816	7.1	21
161	Tunable and light-controllable bistable reflected group delay based on nonlinear surface plasmon resonance with graphene. <i>Results in Physics</i> , 2019 , 15, 102579	3.7	
160	All-optical applications for passive photonic devices of TaS ₂ nanosheets with strong Kerr nonlinearity. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 999-1007	5.7	3
159	Enhanced and controllable Goos-Hänchen shift with graphene surface plasmon in the terahertz regime. <i>Optics Communications</i> , 2019 , 452, 227-232	2	10
158	Ultra-Sensitive Refractive Index Sensors Based on Bloch Surface Waves With Transition Metal Dichalcogenides. <i>IEEE Sensors Journal</i> , 2019 , 19, 8675-8680	4	12
157	Spontaneous Emission and Resonant Scattering in Transition from Type I to Type II Photonic Weyl Systems. <i>Physical Review Letters</i> , 2019 , 123, 033901	7.4	8
156	Enhanced Dynamic Casimir Effect in Temporally and Spatially Modulated Josephson Transmission Line. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900164	8.3	3
155	Two-dimensional Bi ₂ S ₃ -based all-optical photonic devices with strong nonlinearity due to spatial self-phase modulation. <i>Nanophotonics</i> , 2019 , 8, 2225-2234	6.3	11
154	Kerr Nonlinearity in germanium selenide nanoflakes measured by Z-scan and spatial self-phase modulation techniques and its applications in all-optical information conversion. <i>Optics Express</i> , 2019 , 27, 20857-20873	3.3	16
153	Enhanced nonlinear optical responses of graphene in multi-frequency topological edge modes. <i>Optics Express</i> , 2019 , 27, 32746-32763	3.3	7
152	Cost-efficient half-duplex 10 Gbit/s all-optical indoor optical wireless communication enabled by a low-cost Fabry-Perot laser/photodetector. <i>Optics Letters</i> , 2019 , 44, 1158-1161	3	5
151	Observation of dark-bright vector solitons in fiber lasers. <i>Optics Letters</i> , 2019 , 44, 2185-2188	3	18
150	Graphene Tamm plasmon-induced low-threshold optical bistability at terahertz frequencies. <i>Optical Materials Express</i> , 2019 , 9, 139	2.6	23
149	Nonlinear optical response, all optical switching, and all optical information conversion in NbSe ₂ nanosheets based on spatial self-phase modulation. <i>Nanoscale</i> , 2019 , 11, 4515-4522	7.7	37

148	Spatial self-phase modulation and all-optical switching of graphene oxide dispersions. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 900-904	5.7	19
147	Ultrasensitive detection of miRNA with an antimonene-based surface plasmon resonance sensor. <i>Nature Communications</i> , 2019 , 10, 28	17.4	309
146	Enhancement of photonic spin Hall effect via bound states in the continuum. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 045401	3	17
145	High Figure of Merit Lossy Mode Resonance Sensor with Graphene. <i>Plasmonics</i> , 2019 , 14, 929-934	2.4	10
144	2D Tellurium Based High-Performance All-Optical Nonlinear Photonic Devices. <i>Advanced Functional Materials</i> , 2019 , 29, 1806346	15.6	122
143	Observation of chiral zero mode in inhomogeneous three-dimensional Weyl metamaterials. <i>Science</i> , 2019 , 363, 148-151	33.3	71
142	Sensitivity Enhancement of a Surface Plasmon Resonance with Tin Selenide (SnSe) Allotropes. <i>Sensors</i> , 2019 , 19,	3.8	26
141	Terahertz imaging sensor based on the strong coupling of surface plasmon polaritons between PVDF and graphene. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 398-403	8.5	18
140	Resonant optical tunneling-induced enhancement of the photonic spin Hall effect. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 145104	3	18
139	High Sensitivity Intensity-Interrogated Bloch Surface Wave Biosensor With Graphene. <i>IEEE Sensors Journal</i> , 2018 , 18, 106-110	4	15
138	Nonlayered 2D Materials: Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability (Adv. Funct. Mater. 16/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870107	15.6	3
137	Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability. <i>Advanced Functional Materials</i> , 2018 , 28, 1705833	15.6	277
136	Highly Sensitive Terahertz Gas Sensor Based on Surface Plasmon Resonance With Graphene. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-7	1.8	30
135	Few-Layer Tin Sulfide: A Promising Black-Phosphorus-Analogue 2D Material with Exceptionally Large Nonlinear Optical Response, High Stability, and Applications in All-Optical Switching and Wavelength Conversion. <i>Advanced Optical Materials</i> , 2018 , 6, 1700985	8.1	162
134	Facile fabrication and characterization of two-dimensional bismuth(iii) sulfide nanosheets for high-performance photodetector applications under ambient conditions. <i>Nanoscale</i> , 2018 , 10, 2404-2412	7.7	112
133	Ideal Weyl points and helicoid surface states in artificial photonic crystal structures. <i>Science</i> , 2018 , 359, 1013-1016	33.3	156
132	THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1291-1306	7.1	81
131	Optical single sideband millimeter-wave signal generation and transmission using 120° hybrid coupler. <i>Optics Communications</i> , 2018 , 411, 21-26	2	6

130	High-Performance Lossy-Mode Resonance Sensor Based on Few-Layer Black Phosphorus. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7368-7373	3.8	39
129	Experimental demonstration of a 16.9 Gb/s link for coherent OFDM PON robust to frequency offset and timing error. <i>Optics Communications</i> , 2018 , 418, 22-26	2	1
128	Sensitivity Enhanced by MoS ₂ /Graphene Hybrid Structure in Guided-Wave Surface Plasmon Resonance Biosensor. <i>Plasmonics</i> , 2018 , 13, 281-285	2.4	38
127	Dual-Band Infrared Near-Perfect Absorption by Fabry-Perot Resonances and Surface Phonons. <i>Plasmonics</i> , 2018 , 13, 803-809	2.4	9
126	Few-layer Bismuthene: Sonochemical Exfoliation, Nonlinear Optics and Applications for Ultrafast Photonics with Enhanced Stability. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700221	8.3	265
125	Enhanced Photonic Spin Hall Effect with a Bimetallic Film Surface Plasmon Resonance. <i>Plasmonics</i> , 2018 , 13, 1467-1473	2.4	12
124	Perovskite CsPbX ₃ : A Promising Nonlinear Optical Material and Its Applications for Ambient All-Optical Switching with Enhanced Stability. <i>Advanced Optical Materials</i> , 2018 , 6, 1800400	8.1	67
123	Tunable terahertz/infrared coherent perfect absorption in a monolayer black phosphorus. <i>Optics Express</i> , 2018 , 26, 5488-5496	3.3	30
122	Fano resonance in double waveguides with graphene for ultrasensitive biosensor. <i>Optics Express</i> , 2018 , 26, 16884-16892	3.3	34
121	Biaxial hyperbolic metamaterials using anisotropic few-layer black phosphorus. <i>Optics Express</i> , 2018 , 26, 5469-5477	3.3	33
120	Tunable optical forces exerted on a black phosphorus coated dielectric particle by a Gaussian beam. <i>Optical Materials Express</i> , 2018 , 8, 211	2.6	5
119	Black-phosphorus-analogue tin monosulfide: an emerging optoelectronic two-dimensional material for high-performance photodetection with improved stability under ambient/harsh conditions. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9582-9593	7.1	112
118	Terahertz Biochemical Sensor Based on Strong Coupling Between Waveguide Mode and Surface Plasmons of Double-Layer Graphene. <i>IEEE Sensors Journal</i> , 2018 , 18, 7436-7441	4	13
117	Improving the Performance of an SPR Biosensor Using Long-Range Surface Plasmon of Ga-Doped Zinc Oxide. <i>Sensors</i> , 2018 , 18,	3.8	24
116	High quality factor silicon oxynitride optical waveguide ring resonators. <i>Optical Materials</i> , 2018 , 85, 138-142	3.4	5
115	Multi-channel perfect absorber based on a one-dimensional topological photonic crystal heterostructure with graphene. <i>Optics Letters</i> , 2018 , 43, 4256-4259	3	37
114	Resonant Transmission through Topological Metamaterial Grating. <i>Annalen Der Physik</i> , 2018 , 530, 1800118	1.8	2
113	Magneto-optical control of Imbert-Bedorov shifts of a light beam reflected from interfaced monolayer graphene. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2889	1.7	5

112	Broadband nonlinear optical resonance and all-optical switching of liquid phase exfoliated tungsten diselenide. <i>Photonics Research</i> , 2018 , 6, 1040	6	27
111	2D MXene: MXene-Based Nonlinear Optical Information Converter for All-Optical Modulator and Switcher (Laser Photonics Rev. 12(12)/2018). <i>Laser and Photonics Reviews</i> , 2018 , 12, 1870055	8.3	7
110	Two-dimensional beta-lead oxide quantum dots. <i>Nanoscale</i> , 2018 , 10, 20540-20547	7.7	34
109	Fano Resonance in Waveguide Coupled Surface Exciton Polaritons: Theory and Application in Biosensor. <i>Sensors</i> , 2018 , 18,	3.8	1
108	Enhancement and control of the Goos-Hänchen shift by nonlinear surface plasmon resonance in graphene. <i>Chinese Physics B</i> , 2018 , 27, 094211	1.2	5
107	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	1
106	MXene-Based Nonlinear Optical Information Converter for All-Optical Modulator and Switcher. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800215	8.3	91
105	Giant and controllable Goos-Hänchen shifts based on surface plasmon resonance with graphene-MoS ₂ heterostructure. <i>Optical Materials Express</i> , 2018 , 8, 3036	2.6	25
104	Few-layer Ti ₃ C ₂ T _x MXene: A promising surface plasmon resonance biosensing material to enhance the sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 210-215	8.5	95
103	Tunable enhanced Goos-Hänchen shift of light beam reflected from graphene-based hyperbolic metamaterials. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	13
102	Perfect Terahertz Absorption with Graphene Surface Plasmons in the Modified Otto Configuration. <i>Plasmonics</i> , 2017 , 12, 1825-1831	2.4	19
101	Absorption enhancement and total absorption in a graphene-waveguide hybrid structure. <i>AIP Advances</i> , 2017 , 7, 025101	1.5	31
100	Nonlinear TE-polarized SPPs on a graphene cladded parallel plate waveguide. <i>Journal of Applied Physics</i> , 2017 , 121, 103103	2.5	8
99	Coherent Separation Detection for Orbital Angular Momentum Multiplexing in Free-Space Optical Communications. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-11	1.8	9
98	Sensitivity enhancement by using few-layer black phosphorus-graphene/TMDCs heterostructure in surface plasmon resonance biochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 249, 542-548	8.5	223
97	All-Optical Switching of Two Continuous Waves in Few Layer Bismuthene Based on Spatial Cross-Phase Modulation. <i>ACS Photonics</i> , 2017 , 4, 2852-2861	6.3	128
96	Quantum Dots: Broadband Nonlinear Optical Response in Few-Layer Antimonene and Antimonene Quantum Dots: A Promising Optical Kerr Media with Enhanced Stability (Advanced Optical Materials 17/2017). <i>Advanced Optical Materials</i> , 2017 , 5,	8.1	4
95	. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-10	1.8	20

94	Low-threshold optical bistability in a metasurface with graphene. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 434003	3	11
93	Direct observation of topological surface-state arcs in photonic metamaterials. <i>Nature Communications</i> , 2017 , 8, 97	17.4	76
92	Three Dimensional Photonic Dirac Points in Metamaterials. <i>Physical Review Letters</i> , 2017 , 119, 213901	7.4	47
91	Fabry-Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. <i>Nano Letters</i> , 2017 , 17, 7593-7598	11.5	35
90	Sensitivity Improved SPR Biosensor Based on the MoS2/Graphene/Aluminum Hybrid Structure. <i>Journal of Lightwave Technology</i> , 2017 , 35, 82-87	4	116
89	Enhancing Photonic Spin Hall Effect in the Surface Plasmon Resonance Structure Covered by the Graphene/MoS2 Heterostructure. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-10	1.8	8
88	Low threshold optical bistability in one-dimensional gratings based on graphene plasmonics. <i>Optics Express</i> , 2017 , 25, 5972-5981	3.3	39
87	Manipulation of vector beam polarization with geometric metasurfaces. <i>Optics Express</i> , 2017 , 25, 14300-14307	3.3	26
86	Enhanced spin Hall effect of reflected light with guided-wave surface plasmon resonance. <i>Photonics Research</i> , 2017 , 5, 467	6	46
85	Tunable and multichannel terahertz perfect absorber due to Tamm surface plasmons with graphene. <i>Photonics Research</i> , 2017 , 5, 536	6	100
84	Ultrasensitive Terahertz Biosensors Based on Fano Resonance of a Graphene/Waveguide Hybrid Structure. <i>Sensors</i> , 2017 , 17,	3.8	41
83	Tunable Optical Bistability in One-Dimensional Photonic Crystal with a Nonlinear Defect Coupled by Graphene Sheets. <i>Advances in Condensed Matter Physics</i> , 2017 , 2017, 1-6	1	2
82	Guiding characteristics of guided waves in slab waveguide with hexagonal boron nitride. <i>Journal of Applied Physics</i> , 2017 , 122, 033103	2.5	3
81	Broadband Nonlinear Optical Response in Few-Layer Antimonene and Antimonene Quantum Dots: A Promising Optical Kerr Media with Enhanced Stability. <i>Advanced Optical Materials</i> , 2017 , 5, 1700301	8.1	207
80	Collapse of optical wave arrested by cross-phase modulation in nonlinear metamaterials. <i>Journal of Modern Optics</i> , 2016 , 63, 605-612	1.1	3
79	Black Phosphorus Quantum Dots as an Efficient Saturable Absorber for Bound Soliton Operation in an Erbium Doped Fiber Laser. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-10	1.8	25
78	. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	47
77	Tunable infrared plasmonic waveguides using graphene based hyperbolic metamaterials. <i>Optik</i> , 2016 , 127, 9640-9646	2.5	5

76	Turnable perfect absorption at infrared frequencies by a Graphene-hBN Hyper Crystal. <i>Optics Express</i> , 2016 , 24, 17103-14	3.3	65
75	Long-Range Surface Plasmon With Graphene for Enhancing the Sensitivity and Detection Accuracy of Biosensor. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	27
74	Ultrasensitive biosensors based on long-range surface plasmon polariton and dielectric waveguide modes. <i>Photonics Research</i> , 2016 , 4, 262	6	71
73	Low-threshold optical bistability with multilayer graphene-covering Otto configuration. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 255306	3	19
72	An ultra-high sensitivity surface plasmon resonance sensor based on graphene-aluminum-graphene sandwich-like structure. <i>Journal of Applied Physics</i> , 2016 , 120, 053101	2.5	37
71	Critical coupling using the hexagonal boron nitride crystals in the mid-infrared range. <i>Journal of Applied Physics</i> , 2016 , 119, 203107	2.5	25
70	Tunable Fano resonances of a graphene/waveguide hybrid structure at mid-infrared wavelength. <i>Optics Express</i> , 2016 , 24, 4740-4748	3.3	29
69	Role of anomalous self-steepening in controlling self-accelerating Airy pulses in nonlinear metamaterials. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016 , 25, 1650010	0.8	3
68	Phenomenological modeling of geometric metasurfaces. <i>Optics Express</i> , 2016 , 24, 7120-32	3.3	9
67	A Broadband Optical Modulator Based on a Graphene Hybrid Plasmonic Waveguide. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4948-4953	4	47
66	Hybrid nonlinear surface-phonon-plasmon-polaritons at the interface of nonlinear medium and graphene-covered hexagonal boron nitride crystal. <i>Optics Express</i> , 2016 , 24, 2109-24	3.3	10
65	Low threshold optical bistability at terahertz frequencies with graphene surface plasmons. <i>Scientific Reports</i> , 2015 , 5, 12271	4.9	70
64	Tunable THz Angular/Frequency Filters in the Modified Kretschmann-Raether Configuration With the Insertion of Single Layer Graphene. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8	1.8	11
63	. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-12	1.8	2
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