

Feng Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6765367/publications.pdf>

Version: 2024-02-01

269
papers

38,249
citations

1457

107
h-index

2940

189
g-index

272
all docs

272
docs citations

272
times ranked

20156
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic Layer Graphene as a Saturable Absorber for Ultrafast Pulsed Lasers. <i>Advanced Functional Materials</i> , 2009, 19, 3077-3083.	7.8	2,310
2	Ultrasmall Black Phosphorus Quantum Dots: Synthesis and Use as Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11526-11530.	7.2	906
3	Mechanically exfoliated black phosphorus as a new saturable absorber for both Q-switching and Mode-locking laser operation. <i>Optics Express</i> , 2015, 23, 12823.	1.7	866
4	From Black Phosphorus to Phosphorene: Basic Solvent Exfoliation, Evolution of Raman Scattering, and Applications to Ultrafast Photonics. <i>Advanced Functional Materials</i> , 2015, 25, 6996-7002.	7.8	862
5	Biodegradable black phosphorus-based nanospheres for in vivo photothermal cancer therapy. <i>Nature Communications</i> , 2016, 7, 12967.	5.8	835
6	Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics. <i>Advanced Materials</i> , 2017, 29, 1603276.	11.1	721
7	Novel concept of the smart NIR-light controlled drug release of black phosphorus nanostructure for cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 501-506.	3.3	657
8	Ultra-short pulse generation by a topological insulator based saturable absorber. <i>Applied Physics Letters</i> , 2012, 101, 211106.	1.5	551
9	Broadband Nonlinear Photonics in Few-Layer MXene Ti_3C_2Tx ($T = N, O, S$). <i>ACS Photonics</i> , 2019, 6, 1100-1106.	4.4	431
10	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 2891-2912.	18.7	482
11	Ultrasensitive detection of miRNA with an antimonene-based surface plasmon resonance sensor. <i>Nature Communications</i> , 2019, 10, 28.	5.8	475
12	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11896-11900.	7.2	465
13	Large energy soliton erbium-doped fiber laser with a graphene-polymer composite mode locker. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	450
14	2D Black Phosphorus-Based Biomedical Applications. <i>Advanced Functional Materials</i> , 2019, 29, 1808306.	7.8	438
15	Metal-Ion-Modified Black Phosphorus with Enhanced Stability and Transistor Performance. <i>Advanced Materials</i> , 2017, 29, 1703811.	11.1	431
16	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. <i>Chemistry of Materials</i> , 2020, 32, 1703-1747.	3.2	429
17	Emerging combination strategies with phototherapy in cancer nanomedicine. <i>Chemical Society Reviews</i> , 2020, 49, 8065-8087.	18.7	427
18	Ytterbium-doped fiber laser passively mode locked by few-layer Molybdenum Disulfide (MoS_2) saturable absorber functioned with evanescent field interaction. <i>Scientific Reports</i> , 2014, 4, 6346.	1.6	407

#	ARTICLE	IF	CITATIONS
19	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi ₂ Se ₃ as a mode locker. <i>Optics Express</i> , 2012, 20, 27888.	1.7	406
20	Microfiber-based few-layer black phosphorus saturable absorber for ultra-fast fiber laser. <i>Optics Express</i> , 2015, 23, 20030.	1.7	399
21	Femtosecond pulse erbium-doped fiber laser by a few-layer MoS ₂ saturable absorber. <i>Optics Letters</i> , 2014, 39, 4591.	1.7	356
22	2D Layered Materials: Synthesis, Nonlinear Optical Properties, and Device Applications. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800327.	4.4	353
23	Omnipotent phosphorene: a next-generation, two-dimensional nanoplatform for multidisciplinary biomedical applications. <i>Chemical Society Reviews</i> , 2018, 47, 5588-5601.	18.7	352
24	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.	7.8	348
25	Environmentally Robust Black Phosphorus Nanosheets in Solution: Application for Self-Powered Photodetector. <i>Advanced Functional Materials</i> , 2017, 27, 1606834.	7.8	342
26	Solvothermal Synthesis and Ultrafast Photonics of Black Phosphorus Quantum Dots. <i>Advanced Optical Materials</i> , 2016, 4, 1223-1229.	3.6	326
27	A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy. <i>Advanced Materials</i> , 2018, 30, e1803031.	11.1	318
28	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1802061.	11.1	314
29	Few-Layer Bismuthene: Sonochemical Exfoliation, Nonlinear Optics and Applications for Ultrafast Photonics with Enhanced Stability. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700221.	4.4	311
30	2D Van Der Waals Binary Materials: Status and Challenges. <i>Advanced Materials</i> , 2019, 31, e1902352.	11.1	303
31	Photothermal cancer immunotherapy by erythrocyte membrane-coated black phosphorus formulation. <i>Journal of Controlled Release</i> , 2019, 296, 150-161.	4.8	303
32	Photonics and optoelectronics using nano-structured hybrid perovskite media and their optical cavities. <i>Physics Reports</i> , 2019, 795, 1-51.	10.3	303
33	Two-Dimensional CH ₃ NH ₃ PbI ₃ Perovskite Nanosheets for Ultrafast Pulsed Fiber Lasers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12759-12765.	4.0	296
34	Recent advances in black phosphorus-based photonics, electronics, sensors and energy devices. <i>Materials Horizons</i> , 2017, 4, 997-1019.	6.4	296
35	Sub-200 fs soliton mode-locked fiber laser based on bismuthene saturable absorber. <i>Optics Express</i> , 2018, 26, 22750.	1.7	289
36	Emerging Trends in Phosphorene Fabrication towards Next Generation Devices. <i>Advanced Science</i> , 2017, 4, 1600305.	5.6	285

#	ARTICLE	IF	CITATIONS
37	Third order nonlinear optical property of Bi ₂ Se ₃ . Optics Express, 2013, 21, 2072.	1.7	271
38	Broadband Nonlinear Optical Response in Few-Layer Antimonene and Antimonene Quantum Dots: A Promising Optical Kerr Media with Enhanced Stability. Advanced Optical Materials, 2017, 5, 1700301.	3.6	269
39	Ultrathin Metal-Organic Framework: An Emerging Broadband Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2018, 6, 1800561.	3.6	268
40	Few-layer antimonene decorated microfiber: ultra-short pulse generation and all-optical thresholding with enhanced long term stability. 2D Materials, 2017, 4, 045010.	2.0	260
41	Black phosphorus as saturable absorber for the Q-switched Er:ZBLAN fiber laser at 28 μ m. Optics Express, 2015, 23, 24713.	1.7	259
42	High-Performance Photo-Electrochemical Photodetector Based on Liquid-Exfoliated Few-Layered InSe Nanosheets with Enhanced Stability. Advanced Functional Materials, 2018, 28, 1705237.	7.8	258
43	Many-Body Complexes in 2D Semiconductors. Advanced Materials, 2019, 31, e1706945.	11.1	255
44	Broadband Nonlinear Photoresponse of 2D TiS ₂ for Ultrashort Pulse Generation and All-Optical Thresholding Devices. Advanced Optical Materials, 2018, 6, 1701166.	3.6	248
45	Self-Powered Photodetectors Based on 2D Materials. Advanced Optical Materials, 2020, 8, 1900765.	3.6	245
46	Many-body Effect, Carrier Mobility, and Device Performance of Hexagonal Arsenene and Antimonene. Chemistry of Materials, 2017, 29, 2191-2201.	3.2	244
47	Black phosphorus: a two-dimension saturable absorption material for mid-infrared Q-switched and mode-locked fiber lasers. Scientific Reports, 2016, 6, 30361.	1.6	242
48	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. Photonics Research, 2020, 8, 78.	3.4	242
49	Biocompatible and biodegradable inorganic nanostructures for nanomedicine: Silicon and black phosphorus. Nano Today, 2019, 25, 135-155.	6.2	240
50	Recent progress in black phosphorus and black-phosphorus-analogue materials: properties, synthesis and applications. Nanoscale, 2019, 11, 14491-14527.	2.8	239
51	Emerging 2D materials beyond graphene for ultrashort pulse generation in fiber lasers. Nanoscale, 2019, 11, 2577-2593.	2.8	236
52	2D Black Phosphorus Saturable Absorbers for Ultrafast Photonics. Advanced Optical Materials, 2019, 7, 1800224.	3.6	235
53	Flexible Transparent Electronic Gas Sensors. Small, 2016, 12, 3748-3756.	5.2	234
54	Ultrasmall Bismuth Quantum Dots: Facile Liquid-Phase Exfoliation, Characterization, and Application in High-Performance UV-Vis Photodetector. ACS Photonics, 2018, 5, 621-629.	3.2	230

#	ARTICLE	IF	CITATIONS
55	Black Phosphorusâ€“Polymer Composites for Pulsed Lasers. <i>Advanced Optical Materials</i> , 2015, 3, 1447-1453.	3.6	228
56	Flexible Transparent Films Based on Nanocomposite Networks of Polyaniline and Carbon Nanotubes for Highâ€“Performance Gas Sensing. <i>Small</i> , 2015, 11, 5409-5415.	5.2	225
57	Few-layer black phosphorus based saturable absorber mirror for pulsed solid-state lasers. <i>Optics Express</i> , 2015, 23, 22643.	1.7	220
58	Recent Advances in Functional 2D MXeneâ€“Based Nanostructures for Nextâ€“Generation Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2005223.	7.8	216
59	2D Material Optoelectronics for Information Functional Device Applications: Status and Challenges. <i>Advanced Science</i> , 2020, 7, 2000058.	5.6	215
60	Fewâ€“Layer Tin Sulfide: A Promising Blackâ€“Phosphorusâ€“Analogue 2D Material with Exceptionally Large Nonlinear Optical Response, High Stability, and Applications in Allâ€“Optical Switching and Wavelength Conversion. <i>Advanced Optical Materials</i> , 2018, 6, 1700985.	3.6	212
61	Topological insulator as an optical modulator for pulsed solidâ€“state lasers. <i>Laser and Photonics Reviews</i> , 2013, 7, L77.	4.4	208
62	Graphene oxide/black phosphorus nanoflake aerogels with robust thermo-stability and significantly enhanced photothermal properties in air. <i>Nanoscale</i> , 2017, 9, 8096-8101.	2.8	207
63	Large Energy, Wavelength Widely Tunable, Topological Insulator Q-Switched Erbium-Doped Fiber Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 315-322.	1.9	201
64	Vector soliton fiber laser passively mode locked by few layer black phosphorus-based optical saturable absorber. <i>Optics Express</i> , 2016, 24, 25933.	1.7	200
65	Few-layer bismuthene for ultrashort pulse generation in a dissipative system based on an evanescent field. <i>Nanoscale</i> , 2018, 10, 17617-17622.	2.8	189
66	Kerr Nonlinearity in 2D Graphdiyne for Passive Photonic Diodes. <i>Advanced Materials</i> , 2019, 31, e1807981.	11.1	187
67	Recent advances in emerging Janus two-dimensional materials: from fundamental physics to device applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8813-8830.	5.2	185
68	Applications of Few-Layer Nb ₂ C MXene: Narrow-Band Photodetectors and Femtosecond Mode-Locked Fiber Lasers. <i>ACS Nano</i> , 2021, 15, 954-965.	7.3	176
69	Broadband and enhanced nonlinear optical response of MoS ₂ /graphene nanocomposites for ultrafast photonics applications. <i>Scientific Reports</i> , 2015, 5, 16372.	1.6	174
70	Black Phosphorus Based All-Optical-Signal-Processing: Toward High Performances and Enhanced Stability. <i>ACS Photonics</i> , 2017, 4, 1466-1476.	3.2	173
71	Graphdiyneâ€“Based Flexible Photodetectors with High Responsivity and Detectivity. <i>Advanced Materials</i> , 2020, 32, e2001082.	11.1	171
72	Photonics and Optoelectronics of 2D Metalâ€“Halide Perovskites. <i>Small</i> , 2018, 14, e1800682.	5.2	168

#	ARTICLE	IF	CITATIONS
73	Facile fabrication and characterization of two-dimensional bismuth(Bi_2S_3) sulfide nanosheets for high-performance photodetector applications under ambient conditions. <i>Nanoscale</i> , 2018, 10, 2404-2412.	2.8	166
74	2D Tellurium Based High-Performance All-Optical Nonlinear Photonic Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1806346.	7.8	165
75	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.	3.2	164
76	2D Nonlayered Selenium Nanosheets: Facile Synthesis, Photoluminescence, and Ultrafast Photonics. <i>Advanced Optical Materials</i> , 2017, 5, 1700884.	3.6	162
77	Two-dimensional non-layered selenium nanoflakes: facile fabrications and applications for self-powered photo-detector. <i>Nanotechnology</i> , 2019, 30, 114002.	1.3	161
78	A black/red phosphorus hybrid as an electrode material for high-performance Li-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6581-6588.	5.2	160
79	Critical coupling with graphene-based hyperbolic metamaterials. <i>Scientific Reports</i> , 2014, 4, 5483.	1.6	158
80	High Efficiency Mesoscopic Solar Cells Using CsPbI_3 Perovskite Quantum Dots Enabled by Chemical Interface Engineering. <i>Journal of the American Chemical Society</i> , 2020, 142, 3775-3783.	6.6	156
81	All-Optical Phosphorene Phase Modulator with Enhanced Stability Under Ambient Conditions. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800016.	4.4	155
82	Black phosphorus as broadband saturable absorber for pulsed lasers from 1.1 μm to 2.7 μm wavelength. <i>Laser Physics Letters</i> , 2016, 13, 045801.	0.6	154
83	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.	2.7	153
84	Healable, Transparent, Room-Temperature Electronic Sensors Based on Carbon Nanotube Network-Coated Polyelectrolyte Multilayers. <i>Small</i> , 2015, 11, 5807-5813.	5.2	151
85	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3007-3013.	2.7	150
86	Fluorinated Phosphorene: Electrochemical Synthesis, Atomistic Fluorination, and Enhanced Stability. <i>Small</i> , 2017, 13, 1702739.	5.2	150
87	Hetero-MXenes: Theory, Synthesis, and Emerging Applications. <i>Advanced Materials</i> , 2021, 33, e2004129.	11.1	150
88	Ultrathin 2D Transition Metal Carbides for Ultrafast Pulsed Fiber Lasers. <i>ACS Photonics</i> , 2018, 5, 1808-1816.	3.2	148
89	Biocompatible Two-Dimensional Titanium Nanosheets for Multimodal Imaging-Guided Cancer Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22129-22140.	4.0	147
90	Black phosphorus-based photothermal therapy with a CD47-mediated immune checkpoint blockade for enhanced cancer immunotherapy. <i>Light: Science and Applications</i> , 2020, 9, 161.	7.7	145

#	ARTICLE	IF	CITATIONS
91	Recent progress in ultrafast lasers based on 2D materials as a saturable absorber. Applied Physics Reviews, 2019, 6, .	5.5	143
92	Order–disorder transition in a two-dimensional boron–carbon nitride alloy. Nature Communications, 2013, 4, 2681.	5.8	138
93	Black phosphorus analogue tin sulfide nanosheets: synthesis and application as near-infrared photothermal agents and drug delivery platforms for cancer therapy. Journal of Materials Chemistry B, 2018, 6, 4747-4755.	2.9	137
94	Stabilization of Black Phosphorous Quantum Dots in PMMA Nanofiber Film and Broadband Nonlinear Optics and Ultrafast Photonics Application. Advanced Functional Materials, 2017, 27, 1702437.	7.8	136
95	Solar–Inspired Water Purification Based on Emerging 2D Materials: Status and Challenges. Solar Rrl, 2020, 4, 1900400.	3.1	133
96	Topological Insulator: Bi_2Te_3 Saturable Absorber for the Passive Q-Switching Operation of an in-Band Pumped 1645-nm Er:YAG Ceramic Laser. IEEE Photonics Journal, 2013, 5, 1500707-1500707.	1.0	132
97	Few–Layer Phosphorene–Decorated Microfiber for All–Optical Thresholding and Optical Modulation. Advanced Optical Materials, 2017, 5, 1700026.	3.6	125
98	2 μm passively Q-switched laser based on black phosphorus. Optical Materials Express, 2016, 6, 2374.	1.6	124
99	An All–Optical, Actively Q–Switched Fiber Laser by an Antimonene–Based Optical Modulator. Laser and Photonics Reviews, 2019, 13, 1800313.	4.4	122
100	Enhanced Photodetection Properties of Tellurium@Selenium Roll–to–Roll Nanotube Heterojunctions. Small, 2019, 15, e1900902.	5.2	120
101	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. Small, 2021, 17, e2006054.	5.2	119
102	Polarization rotation vector solitons in a graphene mode-locked fiber laser. Optics Express, 2012, 20, 27283.	1.7	118
103	MXene–Based Nonlinear Optical Information Converter for All–Optical Modulator and Switcher. Laser and Photonics Reviews, 2018, 12, 1800215.	4.4	117
104	MXene $\text{Ti}_3\text{C}_2\text{T}_x$: A Promising Photothermal Conversion Material and Application in All–Optical Modulation and All–Optical Information Loading. Advanced Optical Materials, 2019, 7, 1900060.	3.6	115
105	Fundamental and harmonic mode-locking at 21 μm with black phosphorus saturable absorber. Optics Express, 2017, 25, 16916.	1.7	114
106	Recent Developments in Stability and Passivation Techniques of Phosphorene toward Next–Generation Device Applications. Advanced Functional Materials, 2019, 29, 1903419.	7.8	113
107	Recent Progress in 2D Material–Based Saturable Absorbers for All Solid–State Pulsed Bulk Lasers. Laser and Photonics Reviews, 2020, 14, 1900240.	4.4	111
108	Fully photon modulated heterostructure for neuromorphic computing. Nano Energy, 2019, 65, 104000.	8.2	110

#	ARTICLE	IF	CITATIONS
109	Few-layer selenium-doped black phosphorus: synthesis, nonlinear optical properties and ultrafast photonics applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6129-6135.	2.7	109
110	Structures, properties and application of 2D monoelemental materials (Xenes) as graphene analogues under defect engineering. <i>Nano Today</i> , 2020, 35, 100906.	6.2	107
111	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900098.	4.4	106
112	Two-dimensional tellurium-polymer membrane for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6235-6242.	2.8	104
113	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. <i>Chemical Reviews</i> , 2022, 122, 1127-1207.	23.0	103
114	Emerging Mono-Elemental Bismuth Nanostructures: Controlled Synthesis and Their Versatile Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2007584.	7.8	102
115	Graphdiyne-Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900367.	4.4	99
116	Two-dimensional bismuth nanosheets as prospective photo-detector with tunable optoelectronic performance. <i>Nanotechnology</i> , 2018, 29, 235201.	1.3	98
117	Nonlinear Few-Layer Antimonene-Based All-Optical Signal Processing: Ultrafast Optical Switching and High-Speed Wavelength Conversion. <i>Advanced Optical Materials</i> , 2018, 6, 1701287.	3.6	97
118	Topological Insulator Solution Filled in Photonic Crystal Fiber for Passive Mode-Locked Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 264-267.	1.3	96
119	Niobium Carbide MXenes with Broad-Band Nonlinear Optical Response and Ultrafast Carrier Dynamics. <i>ACS Nano</i> , 2020, 14, 10492-10502.	7.3	96
120	Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2003301.	7.8	93
121	High-Speed and High-Responsivity Hybrid Silicon/Black-Phosphorus Waveguide Photodetectors at 2.2 μm. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900032.	4.4	91
122	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.	3.6	90
123	Generation, optimization, and application of ultrashort femtosecond pulse in mode-locked fiber lasers. <i>Progress in Quantum Electronics</i> , 2020, 71, 100264.	3.5	89
124	Dual-wavelength Q-switched Er:SrF ₂ laser with a black phosphorus absorber in the mid-infrared region. <i>Optics Express</i> , 2016, 24, 30289.	1.7	88
125	2D Nanomaterials for Tissue Engineering and Regenerative Nanomedicines: Recent Advances and Future Challenges. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001743.	3.9	88
126	Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect. <i>Advanced Optical Materials</i> , 2015, 3, 1769-1778.	3.6	87

#	ARTICLE	IF	CITATIONS
127	MZI-Based All-Optical Modulator Using MXene Ti ₃ C ₂ T _x (T = Tj EJOq1 1 0.784314	3.0	87
128	MXene Ti ₃ C ₂ T _x absorber for a 1.06 μ m passively Q-switched ceramic laser. Laser Physics Letters, 2018, 15, 085805.	0.6	86
129	Nonlinear Few-Layer MXene-Assisted All-Optical Wavelength Conversion at Telecommunication Band. Advanced Optical Materials, 2019, 7, 1801777.	3.6	86
130	Polydopamine-functionalized black phosphorus quantum dots for cancer theranostics. Applied Materials Today, 2019, 15, 297-304.	2.3	86
131	Ultrafast Relaxation Dynamics and Nonlinear Response of Few-Layer Niobium Carbide MXene. Small Methods, 2020, 4, 2000250.	4.6	84
132	Highly stable MXene (V ₂ CT _x)-based harmonic pulse generation. Nanophotonics, 2020, 9, 2577-2585.	2.9	83
133	Broadband photodetectors based on 2D group IVA metal chalcogenides semiconductors. Applied Materials Today, 2019, 15, 115-138.	2.3	82
134	Monolayer tellurene-metal contacts. Journal of Materials Chemistry C, 2018, 6, 6153-6163.	2.7	81
135	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. Laser and Photonics Reviews, 2019, 13, 1900123.	4.4	76
136	Tuning of Interlayer Coupling in Large-Area Graphene/WSe ₂ van der Waals Heterostructure via Ion Irradiation: Optical Evidences and Photonic Applications. ACS Photonics, 2017, 4, 1531-1538.	3.2	75
137	Two-dimensional nanomaterial-based plasmonic sensing applications: Advances and challenges. Coordination Chemistry Reviews, 2020, 410, 213218.	9.5	74
138	Monolayer Bismuthene-Metal Contacts: A Theoretical Study. ACS Applied Materials & Interfaces, 2017, 9, 23128-23140.	4.0	73
139	Recent advances in solution-processed photodetectors based on inorganic and hybrid photo-active materials. Nanoscale, 2020, 12, 2201-2227.	2.8	71
140	Black phosphorus: A novel nanoplatform with potential in the field of bio-photonic nanomedicine. Journal of Innovative Optical Health Sciences, 2018, 11, .	0.5	70
141	2D Materials Enabled Next-Generation Integrated Optoelectronics: from Fabrication to Applications. Advanced Science, 2021, 8, e2003834.	5.6	70
142	A solid-state passively Q-switched Tm,Gd:CaF ₂ laser with a Ti ₃ C ₂ T _x MXene absorber near 2 μ m. Laser Physics Letters, 2019, 16, 015803.	0.6	69
143	Recent advances in anisotropic two-dimensional materials and device applications. Nano Research, 2021, 14, 897-919.	5.8	69
144	A bismuthene-based multifunctional all-optical phase and intensity modulator enabled by photothermal effect. Journal of Materials Chemistry C, 2019, 7, 871-878.	2.7	67

#	ARTICLE	IF	CITATIONS
145	Status and Outlook of Metalâ€“Inorganic Semiconductorâ€“Metal Photodetectors. <i>Laser and Photonics Reviews</i> , 2021, 15, .	4.4	67
146	Brain-targeted delivery shuttled by black phosphorus nanostructure to treat Parkinson's disease. <i>Biomaterials</i> , 2020, 260, 120339.	5.7	66
147	Bismuth nanosheets as a Q-switcher for a mid-infrared erbium-doped SrF ₂ laser. <i>Photonics Research</i> , 2018, 6, 762.	3.4	65
148	Synthesis, properties and novel electrocatalytic applications of the 2D-borophene Xenes. <i>Progress in Solid State Chemistry</i> , 2020, 59, 100283.	3.9	65
149	Ultrafast photonics applications of emerging 2D-Xenes beyond graphene. <i>Nanophotonics</i> , 2022, 11, 1261-1284.	2.9	65
150	2Dâ€“Materialsâ€“Based Quantum Dots: Gateway Towards Nextâ€“Generation Optical Devices. <i>Advanced Optical Materials</i> , 2017, 5, 1700257.	3.6	64
151	Zeroâ€“Dimensional MXeneâ€“Based Optical Devices for Ultrafast and Ultranarrow Photonics Applications. <i>Advanced Science</i> , 2020, 7, 2002209.	5.6	60
152	Nonlinear Photonics Using Lowâ€“Dimensional Metalâ€“Halide Perovskites: Recent Advances and Future Challenges. <i>Advanced Materials</i> , 2021, 33, e2004446.	11.1	58
153	Ultraeffective Cancer Therapy with an Antimoneneâ€“Based Xâ€“Ray Radiosensitizer. <i>Advanced Functional Materials</i> , 2020, 30, 1906010.	7.8	57
154	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. <i>Nano-Micro Letters</i> , 2020, 12, 167.	14.4	57
155	Twoâ€“Dimensional Materials for Integrated Photonics: Recent Advances and Future Challenges. <i>Small Science</i> , 2021, 1, 2000053.	5.8	56
156	<i>In situ</i> preparation of a CsPbBr ₃ /black phosphorus heterostructure with an optimized interface and photodetector application. <i>Nanoscale</i> , 2019, 11, 16852-16859.	2.8	55
157	MXene: two dimensional inorganic compounds, for generation of bound state soliton pulses in nonlinear optical system. <i>Nanophotonics</i> , 2020, 9, 2505-2513.	2.9	55
158	Stability of Perovskite Light Sources: Status and Challenges. <i>Advanced Optical Materials</i> , 2020, 8, 1902012.	3.6	54
159	Emerging black phosphorus analogue nanomaterials for high-performance device applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1172-1197.	2.7	54
160	Photodynamic immunotherapy of cancers based on nanotechnology: recent advances and future challenges. <i>Journal of Nanobiotechnology</i> , 2021, 19, 160.	4.2	54
161	Broadband third order nonlinear optical responses of bismuth telluride nanosheets. <i>Optical Materials Express</i> , 2016, 6, 2244.	1.6	52
162	Engineering ultrafast charge transfer in a bismuthene/perovskite nanohybrid. <i>Nanoscale</i> , 2019, 11, 2637-2643.	2.8	51

#	ARTICLE	IF	CITATIONS
163	Broadband Nonlinear Optical Response of InSe Nanosheets for the Pulse Generation From 1 to 2 μm . ACS Applied Materials & Interfaces, 2019, 11, 48281-48289.	4.0	51
164	Advancing Applications of Black Phosphorus and BP-Analog Materials in Photo/Electrocatalysis through Structure Engineering and Surface Modulation. Advanced Science, 2020, 7, 2001431.	5.6	51
165	Ultra-Small 2D PbS Nanoplatelets: Liquid-Phase Exfoliation and Emerging Applications for Photo-Electrochemical Photodetectors. Small, 2021, 17, e2005913.	5.2	50
166	MXene saturable absorber enabled hybrid mode-locking technology: a new routine of advancing femtosecond fiber lasers performance. Nanophotonics, 2020, 9, 2451-2458.	2.9	50
167	(Q)-Switched Mode-Locked Nd:YVO ₄ Laser by Topological Insulator Bi ₂ Te ₃ Saturable Absorber. IEEE Photonics Technology Letters, 2014, 26, 1912-1915.	1.3	49
168	Two-dimensional beta-lead oxide quantum dots. Nanoscale, 2018, 10, 20540-20547.	2.8	49
169	2D group-VA fluorinated antimonene: synthesis and saturable absorption. Nanoscale, 2019, 11, 1762-1769.	2.8	49
170	Ultrasensitive detection of microRNA using a bismuthene-enabled fluorescence quenching biosensor. Chemical Communications, 2020, 56, 7041-7044.	2.2	49
171	Self-Healable Black Phosphorus Photodetectors. Advanced Functional Materials, 2019, 29, 1906610.	7.8	48
172	Two-Dimensional Black Arsenic Phosphorus for Ultrafast Photonics in Near- and Mid-Infrared Regimes. ACS Applied Materials & Interfaces, 2020, 12, 46509-46518.	4.0	47
173	Phase Transitions and Water Splitting Applications of 2D Transition Metal Dichalcogenides and Metal Phosphorous Trichalcogenides. Advanced Science, 2021, 8, 2002284.	5.6	47
174	Few-Layer Antimonene Nanosheet: A Metal-Free Bifunctional Electrocatalyst for Effective Water Splitting. ACS Applied Energy Materials, 2019, 2, 4774-4781.	2.5	46
175	Epitaxial Growth of Topological Insulators on Semiconductors (Bi ₂ Se ₃ /Te@Se) toward High-Performance Photodetectors. Small Methods, 2019, 3, 1900349.	4.6	45
176	Van der Waals Integration of Bismuth Quantum Dots-Decorated Tellurium Nanotubes (Te@Bi) Heterojunctions and Plasma-Enhanced Optoelectronic Applications. Small, 2019, 15, e1903233.	5.2	45
177	Black phosphorus saturable absorber for a diode-pumped passively Q-switched Er:CaF ₂ mid-infrared laser. Optics Communications, 2018, 406, 158-162.	1.0	44
178	2D van der Waals heterostructures: processing, optical properties and applications in ultrafast photonics. Materials Horizons, 2020, 7, 2903-2921.	6.4	44
179	Broadband Nonlinear Photonics in Few-Layer MXene Ti ₃ C ₂ T _x (T =) Tj ETQg1.1 0.784314 rgB	4.4	43
180	Site-Selective Bi ₂ Te ₃ -FeTe ₂ Heterostructure as a Broadband Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900409.	4.4	43

#	ARTICLE	IF	CITATIONS
181	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.	1.0	42
182	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , 2020, 7, 2001335.	5.6	42
183	Mode locked Nd ³⁺ and Gd ³⁺ co-doped calcium fluoride crystal laser at dual gain lines. <i>Optics and Laser Technology</i> , 2018, 100, 294-297.	2.2	40
184	Booming development and present advances of two dimensional MXenes for photodetectors. <i>Chemical Engineering Journal</i> , 2021, 403, 126336.	6.6	40
185	Synthesis Techniques, Optoelectronic Properties, and Broadband Photodetection of Thin-Film Black Phosphorus. <i>Advanced Optical Materials</i> , 2020, 8, 2000045.	3.6	39
186	Ti ₃ C ₂ MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. <i>ACS Applied Nano Materials</i> , 2020, 3, 11850-11860.	2.4	38
187	Optical-intensity modulators with PbTe thermoelectric nanopowders for ultrafast photonics. <i>Applied Materials Today</i> , 2022, 28, 101546.	2.3	38
188	MXene Ti ₃ C ₂ saturable absorber for pulsed laser at 1.3 μm. <i>Chinese Physics B</i> , 2018, 27, 094214.	0.7	37
189	Wideband tunable passively Q-switched fiber laser at 28 μm using a broadband carbon nanotube saturable absorber. <i>Photonics Research</i> , 2019, 7, 14.	3.4	37
190	Sensing Applications of Atomically Thin Group IV Carbon Siblings Xenes: Progress, Challenges, and Prospects. <i>Advanced Functional Materials</i> , 2021, 31, 2005957.	7.8	37
191	Recent advances in photodynamic therapy based on emerging two-dimensional layered nanomaterials. <i>Nano Research</i> , 2020, 13, 1485-1508.	5.8	36
192	Present advances and perspectives of broadband photo-detectors based on emerging 2D-Xenes beyond graphene. <i>Nano Research</i> , 2020, 13, 891-918.	5.8	36
193	Recent development and advances in Photodetectors based on two-dimensional topological insulators. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15526-15574.	2.7	35
194	Prodrug-Loaded Zirconium Carbide Nanosheets as a Novel Biophotonic Nanoplatfrom for Effective Treatment of Cancer. <i>Advanced Science</i> , 2020, 7, 2001191.	5.6	35
195	PbSe Nanocrystals Produced by Facile Liquid Phase Exfoliation for Efficient UV-Vis Photodetectors. <i>Advanced Functional Materials</i> , 2021, 31, 2010401.	7.8	35
196	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. <i>Reports on Progress in Physics</i> , 2020, 83, 116401.	8.1	35
197	NiPS ₃ nanoflakes: a nonlinear optical material for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 14383-14391.	2.8	34
198	Janus nanoparticles for cellular delivery chemotherapy: Recent advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213467.	9.5	34

#	ARTICLE	IF	CITATIONS
199	Nanocomposite hydrogels for biomedical applications. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	3.9	34
200	Halogenated Antimonene: One-Step Synthesis, Structural Simulation, Tunable Electronic and Photoresponse Property. <i>Advanced Functional Materials</i> , 2019, 29, 1905857.	7.8	33
201	Beta-lead oxide quantum dot (β -PbO QD)/polystyrene (PS) composite films and their applications in ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6828-6837.	2.8	33
202	Two-dimensional porous coordination polymers and nano-composites for electrocatalysis and electrically conductive applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14356-14383.	5.2	33
203	Few-layer hexagonal bismuth telluride (Bi_2Te_3) nanoplates with high-performance UV-Vis photodetection. <i>Nanoscale Advances</i> , 2020, 2, 1333-1339.	2.2	33
204	Recent Advances in Hybridization, Doping, and Functionalization of 2D Xenos. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	33
205	Emerging 2D pnictogens for catalytic applications: status and challenges. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12887-12927.	5.2	32
206	Smart nano-micro platforms for ophthalmological applications: The state-of-the-art and future perspectives. <i>Biomaterials</i> , 2021, 270, 120682.	5.7	32
207	Large-energy, narrow-bandwidth laser pulse at 1645 nm in a diode-pumped Er:YAG solid-state laser passively Q-switched by a monolayer graphene saturable absorber. <i>Applied Optics</i> , 2014, 53, 254.	0.9	31
208	Black phosphorus quantum dot based all-optical signal processing: ultrafast optical switching and wavelength converting. <i>Nanotechnology</i> , 2019, 30, 415202.	1.3	30
209	Polarization domain wall pulses in a microfiber-based topological insulator fiber laser. <i>Scientific Reports</i> , 2016, 6, 29128.	1.6	29
210	The visible nonlinear optical properties and passively Q-switched laser application of a layered PtSe_2 material. <i>Nanoscale</i> , 2020, 12, 1061-1066.	2.8	28
211	Synthesis and optoelectronics of mixed-dimensional Bi/Te binary heterostructures. <i>Nanoscale Horizons</i> , 2020, 5, 847-856.	4.1	28
212	Narrow-bandgap materials for optoelectronics applications. <i>Frontiers of Physics</i> , 2022, 17, 1.	2.4	28
213	Recent advances of low-dimensional materials in Mid- and Far-infrared photonics. <i>Applied Materials Today</i> , 2020, 21, 100800.	2.3	27
214	Dual-wavelength continuous-wave and passively Q-switched Nd,Y:SrF ₂ ceramic laser. <i>Optical Engineering</i> , 2016, 55, 106114.	0.5	26
215	Recent investigations on nonlinear absorption properties of carbon nanotubes. <i>Nanophotonics</i> , 2020, 9, 761-781.	2.9	25
216	Phosphorene-assisted silicon photonic modulator with fast response time. <i>Nanophotonics</i> , 2020, 9, 1973-1979.	2.9	24

#	ARTICLE	IF	CITATIONS
217	Low-dimensional saturable absorbers for ultrafast photonics in solid-state bulk lasers: status and prospects. <i>Nanophotonics</i> , 2020, 9, 2603-2639.	2.9	24
218	All-optical signal processing in few-layer bismuthene coated microfiber: towards applications in optical fiber systems. <i>Optics Express</i> , 2019, 27, 16798.	1.7	24
219	Photocarrier relaxation pathways in selenium quantum dots and their application in UV-Vis photodetection. <i>Nanoscale</i> , 2020, 12, 11232-11241.	2.8	23
220	Passively Q-switched near-infrared lasers with bismuthene quantum dots as the saturable absorber. <i>Optics and Laser Technology</i> , 2020, 128, 106219.	2.2	23
221	An Insightful Picture of Nonlinear Photonics in 2D Materials and their Applications: Recent Advances and Future Prospects. <i>Advanced Optical Materials</i> , 2021, 9, 2001671.	3.6	23
222	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113970.	6.6	23
223	The chemistry of colloidal semiconductor nanocrystals: From metal-chalcogenides to emerging perovskite. <i>Coordination Chemistry Reviews</i> , 2020, 418, 213333.	9.5	23
224	Sub-hundred nanosecond pulse generation from a black phosphorus Q-switched Er-doped fiber laser. <i>Optics Express</i> , 2020, 28, 4708.	1.7	23
225	Continuous-wave and mode-locked operation of a diode-pumped Nd,La:CaF ₂ laser. <i>Optical Materials Express</i> , 2015, 5, 1972.	1.6	22
226	Bismuthene quantum dots based optical modulator for MIR lasers at 2.14 μm. <i>Optical Materials</i> , 2020, 102, 109830.	1.7	22
227	Quantum confinement-induced enhanced nonlinearity and carrier lifetime modulation in two-dimensional tin sulfide. <i>Nanophotonics</i> , 2020, 9, 1963-1972.	2.9	22
228	Broadband saturable absorption in germanene for mode-locked Yb, Er, and Tm fiber lasers. <i>Nanophotonics</i> , 2022, 11, 3127-3137.	2.9	22
229	Berlin Green Framework-Based Gas Sensor for Room-Temperature and High-Selectivity Detection of Ammonia. <i>Nano-Micro Letters</i> , 2021, 13, 63.	14.4	21
230	Recent progress and strategies in photodetectors based on 2D inorganic/organic heterostructures. <i>2D Materials</i> , 2021, 8, 012001.	2.0	21
231	Dual-wavelength mode-locked operation on a novel Nd ³⁺ ,Gd ³⁺ :SrF ₂ crystal laser. <i>Optical Materials Express</i> , 2016, 6, 1513.	1.6	20
232	Recent advances in multiphoton microscopy combined with nanomaterials in the field of disease evolution and clinical applications to liver cancer. <i>Nanoscale</i> , 2019, 11, 19619-19635.	2.8	20
233	Broadband nonlinear optical response in GeSe nanoplates and its applications in all-optical diode. <i>Nanophotonics</i> , 2020, 9, 2007-2015.	2.9	20
234	Water-Dispersible CsPbBr ₃ Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO ₂ Reduction. <i>Nano-Micro Letters</i> , 2021, 13, 172.	14.4	20

#	ARTICLE	IF	CITATIONS
235	Passive mode-locking operation of a diode-pumped Tm:YAG laser with a MoS ₂ saturable absorber. Optics and Laser Technology, 2020, 124, 105986.	2.2	19
236	Bismuth quantum dots as an optical saturable absorber for a 1.3 μm Q-switched solid-state laser. Applied Optics, 2019, 58, 1621.	0.9	19
237	MXene-Based Materials for Solar Cell Applications. Nanomaterials, 2021, 11, 3170.	1.9	19
238	Tunable Nd, La:SrF ₂ laser and passively Q-switched operation based on gold nanobipyramids saturable absorber. Chinese Physics B, 2017, 26, 024205.	0.7	17
239	Passively Q-switched operation of in-band pumped Ho:YLF based on Ti ₃ C ₂ T _x MXene. Infrared Physics and Technology, 2019, 103, 103076.	1.3	16
240	NiS ₂ as a broadband saturable absorber for ultrafast pulse lasers. Optics and Laser Technology, 2020, 132, 106492.	2.2	16
241	Recent advances and challenges on dark solitons in fiber lasers. Optics and Laser Technology, 2022, 152, 108116.	2.2	16
242	Mid-Infrared Optoelectronic Devices Based on Two-Dimensional Materials beyond Graphene: Status and Trends. Nanomaterials, 2022, 12, 2260.	1.9	16
243	Boron quantum dots all-optical modulator based on efficient photothermal effect. Opto-Electronic Advances, 2021, 4, 200032-200032.	6.4	13
244	Tunable Yb:CaF ₂ /SrF ₂ laser and femtosecond mode-locked performance based on semiconductor saturable absorber mirrors. Applied Optics, 2016, 55, 8359.	2.1	12
245	Magnetic black phosphorus microbubbles for targeted tumor theranostics. Nanophotonics, 2021, 10, 3339-3358.	2.9	12
246	Ultrafast pulse lasers based on two-dimensional nanomaterials. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 188101.	0.2	12
247	Efficient continuous-wave and 739 fs mode-locked laser on a novel Nd ³⁺ , La ³⁺ -co-doped SrF ₂ disordered crystal. Laser Physics Letters, 2016, 13, 095802.	0.6	11
248	A nano-lateral heterojunction of selenium-coated tellurium for infrared-band soliton fiber lasers. Nanoscale, 2020, 12, 15252-15260.	2.8	11
249	Advances in photonics of recently developed Xenes. Nanophotonics, 2020, 9, 1621-1649.	2.9	11
250	Gigahertz femtosecond laser-by a novel asymmetric one-dimensional photonic crystal saturable absorber device with defect layer. Nanophotonics, 2022, 11, 2939-2951.	2.9	11
251	Black Phosphorus: Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics (Adv. Mater. 1/2017). Advanced Materials, 2017, 29, .	11.1	10
252	Ultrafast photonics applications of zirconium carbide as a novel mode-locker for fiber lasers. Journal of Materials Chemistry C, 2021, 9, 16985-16990.	2.7	10

#	ARTICLE	IF	CITATIONS
253	Broadband and ultrafast all-optical switching based on transition metal carbide. <i>Nanophotonics</i> , 2021, 10, 2617-2623.	2.9	9
254	Tellurium@Selenium core-shell hetero-junction: Facile synthesis, nonlinear optics, and ultrafast photonics applications towards mid-infrared regime. <i>Applied Materials Today</i> , 2020, 20, 100657.	2.3	9
255	Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. <i>Science China Materials</i> , 2022, 65, 855-875.	3.5	9
256	Highly efficient continuous-wave laser operation of LD-pumped Nd,Gd:CaF ₂ and Nd,Y:CaF ₂ crystals. <i>Laser Physics Letters</i> , 2018, 15, 055802.	0.6	8
257	The emerging ferroic orderings in two dimensions. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	8
258	The codopant assisted tunable photoluminescence and highly efficient CW lasers in Nd ³⁺ :SrF ₂ crystal. <i>Journal of Luminescence</i> , 2020, 219, 116911.	1.5	8
259	Performance analysis of photo-electrochemical photodetector based on liquid-phase exfoliation few-layered graphdiyne nanosheets. <i>Nanophotonics</i> , 2021, 10, 2833-2845.	2.9	8
260	Facile sonochemical-assisted synthesis of orthorhombic phase black phosphorus/rGO hybrids for effective photothermal therapy. <i>Nanophotonics</i> , 2020, 9, 3023-3034.	2.9	7
261	Photoelectronic properties and devices of 2D Xenes. <i>Journal of Materials Science and Technology</i> , 2022, 126, 44-59.	5.6	7
262	Recent Advances and Challenges in Ultrafast Photonics Enabled by Metal Nanomaterials. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
263	Continuous-wave and Q-switched Nd:BCSO lasers based on bismuth nanosheets absorber. <i>Applied Optics</i> , 2019, 58, 6545.	0.9	6
264	Dynamics of broadband photoinduced species and enabled photodetection in MXenes. <i>Nanophotonics</i> , 2022, 11, 3139-3148.	2.9	6
265	Low-dimensional nanomaterials enabled autoimmune disease treatments: Recent advances, strategies, and future challenges. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213697.	9.5	5
266	All-Optical Active Q-switching: An All-Optical, Actively Q-switched Fiber Laser by an Antimonene-Based Optical Modulator (<i>Laser Photonics Rev.</i> 13(4)/2019). <i>Laser and Photonics Reviews</i> , 2019, 13, 1970020.	4.4	4
267	Material-based engineering of bacteria for cancer diagnosis and therapy. <i>Applied Materials Today</i> , 2021, 25, 101212.	2.3	4
268	High-detectivity tin disulfide nanowire photodetectors with manipulation of localized ferroelectric polarization field. <i>Nanophotonics</i> , 2021, 10, 4637-4644.	2.9	4
269	Demonstration of high-stable self-mode-locking pulses based on self-focusing in fiber lasers. <i>Infrared Physics and Technology</i> , 2022, 125, 104244.	1.3	4