Yanqi Ge

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3379733/publications.pdf

Version: 2024-02-01

51 papers	4,562 citations	136950 32 h-index	175258 52 g-index
52 all docs	52 docs citations	52 times ranked	4194 citing authors

#	Article	IF	Citations
1	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. Chemical Reviews, 2022, 122, 1127-1207.	47.7	103
2	MXene (Ti2NTx): Synthesis, characteristics and application as a thermo-optical switcher for all-optical wavelength tuning laser. Science China Materials, 2021, 64, 259-265.	6.3	40
3	Nonlinear Photonics Using Lowâ€Dimensional Metalâ€Halide Perovskites: Recent Advances and Future Challenges. Advanced Materials, 2021, 33, e2004446.	21.0	58
4	Synergistic Photothermal and Chemical Therapy by Smart Dualâ€Functional Graphdiyne Nanosheets for Treatment of Parkinson's Disease. Advanced Therapeutics, 2021, 4, 2100082.	3.2	13
5	2D Materials for Nonlinear Photonics and Electroâ€Optical Applications. Advanced Materials Interfaces, 2021, 8, 2100367.	3.7	30
6	Twoâ€dimensional graphdiyne for passively Qâ€switched Yb³⁺:Sc₂SiO₅ laser. Microwave and Optical Technology Letters, 2021, 63, 2292-2296.	1.4	7
7	Defect Engineering in Ultrathin SnSe Nanosheets for High-Performance Optoelectronic Applications. ACS Applied Materials & Interfaces, 2021, 13, 33226-33236.	8.0	35
8	Broadband nonlinear optical response of graphdiyne for mid-infrared solid-state lasers. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	14
9	A self-encapsulated broadband phototransistor based on a hybrid of graphene and black phosphorus nanosheets. Nanoscale Advances, 2020, 2, 1059-1065.	4.6	22
10	Midâ€Infrared Photonics Using 2D Materials: Status and Challenges. Laser and Photonics Reviews, 2020, 14, 1900098.	8.7	106
11	Two-Dimensional Black Arsenic Phosphorus for Ultrafast Photonics in Near- and Mid-Infrared Regimes. ACS Applied Materials & Interfaces, 2020, 12, 46509-46518.	8.0	47
12	Graphdiyne Saturable Absorber for Passively Q-Switched Ho3+-Doped Laser. Nanomaterials, 2020, 10, 1848.	4.1	14
13	Ti₃C₂T_x MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. ACS Applied Nano Materials, 2020, 3, 11850-11860.	5.0	38
14	Recent Advances of Spatial Selfâ€Phase Modulation in 2D Materials and Passive Photonic Device Applications. Small, 2020, 16, e2002252.	10.0	35
15	Recent advances in 0D nanostructure-functionalized low-dimensional nanomaterials for chemiresistive gas sensors. Journal of Materials Chemistry C, 2020, 8, 7272-7299.	5.5	35
16	Graphdiyne as a Promising Midâ€Infrared Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2020, 8, 2000067.	7.3	57
17	MXene Ti₃C₂T_x saturable absorber for passively Q-switched mid-infrared laser operation of femtosecond-laserâ€“inscribed Er:Y₂O₃ ceramic channel waveguide. Nanophotonics, 2020, 9, 2495-2503.	6.0	29
18	Present advances and perspectives of broadband photo-detectors based on emerging 2D-Xenes beyond graphene. Nano Research, 2020, 13, 891-918.	10.4	36

#	Article	IF	Citations
19	Graphdiyneâ€Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900367.	8.7	99
20	Two-dimensional porous coordination polymers and nano-composites for electrocatalysis and electrically conductive applications. Journal of Materials Chemistry A, 2020, 8, 14356-14383.	10.3	33
21	Few-layer hexagonal bismuth telluride (Bi₂Te₃) nanoplates with high-performance UV-Vis photodetection. Nanoscale Advances, 2020, 2, 1333-1339.	4.6	33
22	A self-powered photodetector based on two-dimensional boron nanosheets. Nanoscale, 2020, 12, 5313-5323.	5.6	60
23	Refractive Index Sensors Based on Ti₃C₂T_x MXene Fibers. ACS Applied Nano Materials, 2020, 3, 303-311.	5.0	74
24	Multifunctional VIâ€“VI binary heterostructure-based self-powered pH-sensitive photo-detector. Journal of Materials Chemistry C, 2020, 8, 5991-6000.	5.5	8
25	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. Reports on Progress in Physics, 2020, 83, 116401.	20.1	35
26	Two-dimensional nanomaterials for FÃ¶rster resonance energy transferâ€“based sensing applications. Nanophotonics, 2020, 9, 1855-1875.	6.0	19
27	Recent advances in mode-locked fiber lasers based on two-dimensional materials. Nanophotonics, 2020, 9, 2315-2340.	6.0	32
28	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. Laser and Photonics Reviews, 2019, 13, 1900123.	8.7	76
29	2D Vâ€V Binary Materials: Status and Challenges. Advanced Materials, 2019, 31, e1902352.	21.0	303
30	A Robust 2D Photoâ€Electrochemical Detector Based on NiPS₃ Flakes. Advanced Electronic Materials, 2019, 5, 1900726.	5.1	36
31	Inkjet-printed MXene micro-scale devices for integrated broadband ultrafast photonics. Npj 2D Materials and Applications, 2019, 3, .	7.9	87
32	An Allâ€Optical, Actively Qâ€Switched Fiber Laser by an Antimoneneâ€Based Optical Modulator. Laser and Photonics Reviews, 2019, 13, 1800313.	8.7	122
33	Nonlinear Fewâ€Layer MXeneâ€Assisted Allâ€Optical Wavelength Conversion at Telecommunication Band. Advanced Optical Materials, 2019, 7, 1801777.	7.3	86
34	Photodetectors: Enhanced Photodetection Properties of Tellurium@Selenium Rollâ€toâ€Roll Nanotube Heterojunctions (Small 23/2019). Small, 2019, 15, 1970125.	10.0	14
35	MXene Ti₃C₂T_x: A Promising Photothermal Conversion Material and Application in Allâ€Optical Modulation and Allâ€Optical Information Loading. Advanced Optical Materials, 2019, 7, 1900060.	7.3	115
36	Enhanced Photodetection Properties of Tellurium@Selenium Rollâ€toâ€Roll Nanotube Heterojunctions. Small, 2019, 15, e1900902.	10.0	120

#	Article	IF	Citations
37	Beta-lead oxide quantum dot (Î²-PbO QD)/polystyrene (PS) composite films and their applications in ultrafast photonics. Nanoscale, 2019, 11, 6828-6837.	5.6	33
38	Nonlinear Fewâ€Layer Antimoneneâ€Based Allâ€Optical Signal Processing: Ultrafast Optical Switching and Highâ€Speed Wavelength Conversion. Advanced Optical Materials, 2018, 6, 1701287.	7.3	97
39	Allâ€Optical Phosphorene Phase Modulator with Enhanced Stability Under Ambient Conditions. Laser and Photonics Reviews, 2018, 12, 1800016.	8.7	155
40	Characterization of Dark Soliton Sidebands in All-Normal-Dispersion Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7.	2.9	6
41	Broadband Nonlinear Photoresponse of 2D TiS₂ for Ultrashort Pulse Generation and Allâ€Optical Thresholding Devices. Advanced Optical Materials, 2018, 6, 1701166.	7.3	248
42	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. Advanced Optical Materials, 2018, 6, 1700985.	7.3	212
43	Broadband Nonlinear Photonics in Fewâ€Layer MXene Ti₃C₂T_x (T =) Tj ETQq1 1 0.784314 rgB	8.7	550
44	Ultrasmall Bismuth Quantum Dots: Facile Liquid-Phase Exfoliation, Characterization, and Application in High-Performance UVâ€“Vis Photodetector. ACS Photonics, 2018, 5, 621-629.	6.6	230
45	Perovskite CsPbX₃: A Promising Nonlinear Optical Material and Its Applications for Ambient Allâ€Optical Switching with Enhanced Stability. Advanced Optical Materials, 2018, 6, 1800400.	7.3	90
46	Black-phosphorus-analogue tin monosulfide: an emerging optoelectronic two-dimensional material for high-performance photodetection with improved stability under ambient/harsh conditions. Journal of Materials Chemistry C, 2018, 6, 9582-9593.	5.5	153
47	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. Journal of Materials Chemistry C, 2017, 5, 3007-3013.	5.5	150
48	Few-layer selenium-doped black phosphorus: synthesis, nonlinear optical properties and ultrafast photonics applications. Journal of Materials Chemistry C, 2017, 5, 6129-6135.	5.5	109
49	Fewâ€Layer Black Phosphorus Nanosheets as Electrocatalysts for Highly Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2017, 7, 1700396.	19.5	301
50	Quantum Dots: Stabilization of Black Phosphorous Quantum Dots in PMMA Nanofiber Film and Broadband Nonlinear Optics and Ultrafast Photonics Application (Adv. Funct. Mater. 32/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
51	Stabilization of Black Phosphorous Quantum Dots in PMMA Nanofiber Film and Broadband Nonlinear Optics and Ultrafast Photonics Application. Advanced Functional Materials, 2017, 27, 1702437.	14.9	136