Shaojuan Li

List of Publications by Year
in descending order

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46	4,144	236833	223716
papers	citations	25	46
		h-index	g-index

47	47	47	6408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-plane anisotropic and ultra-low-loss polaritons in a natural van der Waals crystal. Nature, 2018, 562, 557-562.	13.7	506
2	Scalable Production of a Few-Layer MoS₂/WS₂ Vertical Heterojunction Array and Its Application for Photodetectors. ACS Nano, 2016, 10, 573-580.	7.3	362
3	Broadband Photodetectors Based on Grapheneâ€“Bi₂Te₃ Heterostructure. ACS Nano, 2015, 9, 1886-1894.	7.3	338
4	Two-Dimensional CH₃NH₃PbI₃ Perovskite Nanosheets for Ultrafast Pulsed Fiber Lasers. ACS Applied Materials & Interfaces, 2017, 9, 12759-12765.	4.0	296
5	Emerging Trends in Phosphorene Fabrication towards Next Generation Devices. Advanced Science, 2017, 4, 1600305.	5.6	285
6	Photonics and optoelectronics of two-dimensional materials beyond graphene. Nanotechnology, 2016, 27, 462001.	1.3	259
7	Hybrid Grapheneâ€“Perovskite Phototransistors with Ultrahigh Responsivity and Gain. Advanced Optical Materials, 2015, 3, 1389-1396.	3.6	240
8	Near-Infrared Photodetectors Based on MoTe₂ /Graphene Heterostructure with High Responsivity and Flexibility. Small, 2017, 13, 1700268.	5.2	200
9	Highly Efficient and Air-Stable Infrared Photodetector Based on 2D Layered Grapheneâ€“Black Phosphorus Heterostructure. ACS Applied Materials & Interfaces, 2017, 9, 36137-36145.	4.0	185
10	Ultrathin 2D Transition Metal Carbides for Ultrafast Pulsed Fiber Lasers. ACS Photonics, 2018, 5, 1808-1816.	3.2	148
11	Broad spectral tuning of ultra-low-loss polaritons in a van der Waals crystal by intercalation. Nature Materials, 2020, 19, 964-968.	13.3	129
12	Wafer-Scale Fabrication of Two-Dimensional PtS₂/PtSe₂ Heterojunctions for Efficient and Broad band Photodetection. ACS Applied Materials & Interfaces, 2018, 10, 40614-40622.	4.0	110
13	A highly efficient thermo-optic microring modulator assisted by graphene. Nanoscale, 2015, 7, 20249-20255.	2.8	99
14	Solutionâ€Processed Extremely Efficient Multicolor Perovskite Lightâ€Emitting Diodes Utilizing Doped Electron Transport Layer. Advanced Functional Materials, 2017, 27, 1606874.	7.8	96
15	Fieldâ€Induced nâ€Doping of Black Phosphorus for CMOS Compatible 2D Logic Electronics with High Electron Mobility. Advanced Functional Materials, 2017, 27, 1702211.	7.8	95
16	Raman Spectroscopy of Two-Dimensional Bi2TexSe3 â^' x Platelets Produced by Solvothermal Method. Materials, 2015, 8, 5007-5017.	1.3	68
17	The Roadmap of Grapheneâ€Based Optical Biochemical Sensors. Advanced Functional Materials, 2017, 27, 1603918.	7.8	68
18	Bias-switchable negative and positive photoconductivity in 2D FePS₃ ultraviolet photodetectors. Nanotechnology, 2018, 29, 244001.	1.3	67

#	Article	IF	Citations
19	Flexible Broadband Graphene Photodetectors Enhanced by Plasmonic Cu_{3â^'}_xP Colloidal Nanocrystals. Small, 2017, 13, 1701881.	5.2	63
20	Perspectives of 2D Materials for Optoelectronic Integration. Advanced Functional Materials, 2022, 32, .	7.8	62
21	High performance photodetector based on 2D CH₃NH₃PbI₃ perovskite nanosheets. Journal Physics D: Applied Physics, 2017, 50, 094002.	1.3	60
22	Graphene Nanobubbles: A New Optical Nonlinear Material. Advanced Optical Materials, 2015, 3, 744-749.	3.6	52
23	Largeâ€Scale Production of Bismuth Chalcogenide and Graphene Heterostructure and Its Application for Flexible Broadband Photodetector. Advanced Electronic Materials, 2016, 2, 1600077.	2.6	33
24	Optoelectronic investigation of monolayer MoS2/WSe2 vertical heterojunction photoconversion devices. Nano Energy, 2016, 30, 260-266.	8.2	31
25	Infrared Nanoimaging Reveals the Surface Metallic Plasmons in Topological Insulator. ACS Photonics, 2017, 4, 3055-3062.	3.2	27
26	Graphene Heterostructure Integrated Optical Fiber Bragg Grating for Light Motion Tracking and Ultrabroadband Photodetection from 400 nm to 10.768 Âµm. Advanced Functional Materials, 2019, 29, 1807274.	7.8	26
27	Ytterbium-doped fiber laser passively mode locked by evanescent field interaction with CH₃NH₃SnI₃ perovskite saturable absorber. Journal Physics D: Applied Physics, 2018, 51, 375106.	1.3	25
28	Recent Progress on Metalâ€Based Nanomaterials: Fabrications, Optical Properties, and Applications in Ultrafast Photonics. Advanced Functional Materials, 2021, 31, 2107363.	7.8	23
29	The rise of 2D materials/ferroelectrics for next generation photonics and optoelectronics devices. APL Materials, 2022, 10, .	2.2	23
30	Quasiâ€Ordered Nanoforests with Hybrid Plasmon Resonances for Broadband Absorption and Photodetection. Advanced Functional Materials, 2021, 31, 2102840.	7.8	22
31	Controllable Synthesis of 2D Perovskite on Different Substrates and Its Application as Photodetector. Nanomaterials, 2018, 8, 591.	1.9	20
32	Effects of interlayer coupling on the excitons and electronic structures of WS2/hBN/MoS2 van der Waals heterostructures. Nano Research, 2022, 15, 2674-2681.	5.8	20
33	Growth of large-area atomically thin MoS_2 film via ambient pressure chemical vapor deposition. Photonics Research, 2015, 3, 110.	3.4	17
34	The Impact of Precursor Ratio on the Synthetic Production, Surface Chemistry, and Photovoltaic Performance of CsPbI₃ Perovskite Quantum Dots. Solar Rrl, 2021, 5, 2100090.	3.1	17
35	Research development of 2D materials based photodetectors towards midâ€infrared regime. Nano Select, 2021, 2, 527-540.	1.9	17
36	Highly stable and repeatable femtosecond soliton pulse generation from saturable absorbers based on two-dimensional Cu3â^'xP nanocrystals. Frontiers of Optoelectronics, 2020, 13, 139-148.	1.9	13

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37	Low-Temperature ZnO TFTs Fabricated by Reactive Sputtering of Metallic Zinc Target. IEEE Transactions on Electron Devices, 2012, 59, 2555-2558.	1.6	10
38	Graphene plasmonic nanoresonators/graphene heterostructures for efficient room-temperature infrared photodetection. Journal of Semiconductors, 2020, 41, 072907.	2.0	9
39	Efficient graphene in-plane homogeneous p-n-p junction based infrared photodetectors with low dark current. Science China Information Sciences, 2021, 64, 1.	2.7	6
40	Multifunctional Sensors Based on Doped Indium Oxide Nanocrystals. ACS Applied Materials & Interfaces, 2022, 14, 24648-24658.	4.0	5
41	Probing the dynamic structural changes of <scp>DNA</scp> using ultrafast laser pulse in grapheneâ€based optofluidic device. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 316-326.	8.5	4
42	Quasiâ€Ordered Nanoforests with Hybrid Plasmon Resonances for Broadband Absorption and Photodetection (Adv. Funct. Mater. 38/2021). Advanced Functional Materials, 2021, 31, 2170279.	7.8	3
43	Reactive Radiofrequency Sputtering-Deposited Nanocrystalline ZnO Thin-Film Transistors. Chinese Physics Letters, 2012, 29, 018501.	1.3	1
44	A grapheneâ€“Mo₂C heterostructure for a highly responsive broadband photodetector. Physical Chemistry Chemical Physics, 2021, 23, 23024-23031.	1.3	1
45	Recent Progress on Metalâ€Based Nanomaterials: Fabrications, Optical Properties, and Applications in Ultrafast Photonics (Adv. Funct. Mater. 49/2021). Advanced Functional Materials, 2021, 31, 2170364.	7.8	1
46	Perspectives of 2D Materials for Optoelectronic Integration (Adv. Funct. Mater. 14/2022). Advanced Functional Materials, 2022, 32, .	7.8	0