

Jingzhi Shang

List of Publications by Year in descending order

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46
papers

5,678
citations

218381

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233125

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g-index

46
all docs

46
docs citations

46
times ranked

10083
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Bragg polaritons in monolayer tungsten disulphide. Nano Research, 2022, 15, 1479-1485.	5.8	5
2	Defect suppression and energy level alignment in formamidinium-based perovskite solar cells. Journal of Energy Chemistry, 2022, 67, 65-72.	7.1	19
3	Deterministic and Scalable Generation of Exciton Emitters in 2D Semiconductor Nanodisks. Advanced Optical Materials, 2022, 10, .	3.6	3
4	White-Light Driven Resonant Emission from a Monolayer Semiconductor. Advanced Materials, 2022, , 2103527.	11.1	2
5	Localization of Laterally Confined Modes in a 2D Semiconductor Microcavity. ACS Nano, 2022, 16, 4940-4946.	7.3	1
6	Monolayer tungsten disulfide in photonic environment: Angle-resolved weak and strong light-matter coupling. Nano Research, 2022, 15, 5619-5625.	5.8	5
7	Raman scattering investigation of twisted WS ₂ /MoS ₂ heterostructures: interlayer mechanical coupling versus charge transfer. Nano Research, 2021, 14, 2215-2223.	5.8	29
8	Ultrastable FeCo Bifunctional Electrocatalyst on Se-Doped CNTs for Liquid and Flexible All-Solid-State Rechargeable Zn-Air Batteries. Nano Letters, 2021, 21, 2255-2264.	4.5	120
9	Observation of Strong Valley Magnetic Response in Monolayer Transition Metal Dichalcogenide Alloys of Mo _{0.5} W _{0.5} Se ₂ and Mo _{0.5} W _{0.5} Se ₂ /WS ₂ Heterostructures. ACS Nano, 2021, 15, 8397-8406.	7.3	8
10	Continuous-Wave Vertical Cavity Surface-Emitting Lasers based on Single Crystalline Lead Halide Perovskites. Advanced Optical Materials, 2021, 9, 2001982.	3.6	16
11	Room-temperature continuous-wave vertical-cavity surface-emitting lasers based on 2D layered organic-inorganic hybrid perovskites. APL Materials, 2021, 9, 071106.	2.2	21
12	Spatial variations of valley splitting in monolayer transition metal dichalcogenide. Informa Materials, 2020, 2, 585-592.	8.5	5
13	Optical characterization of two-dimensional semiconductors. , 2020, , 135-166.		1
14	Visualizing the Anomalous Charge Density Wave States in Graphene/NbSe ₂ Heterostructures. Advanced Materials, 2020, 32, e2003746.	11.1	23
15	Direct Photoluminescence Probing of Ferromagnetism in Monolayer Two-Dimensional CrBr ₃ . Nano Letters, 2019, 19, 3138-3142.	4.5	265
16	Engineering Valley Polarization of Monolayer WS ₂ : A Physical Doping Approach. Small, 2019, 15, e1805503.	5.2	62
17	In-Plane Anisotropic Thermal Conductivity of Few-Layered Transition Metal Dichalcogenide Td-WTe ₂ . Advanced Materials, 2019, 31, e1804979.	11.1	45
18	Light Sources and Photodetectors Enabled by 2D Semiconductors. Small Methods, 2018, 2, 1800019.	4.6	35

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19	Tunable excitonic emission of monolayer WS ₂ for the optical detection of DNA nucleobases. Nano Research, 2018, 11, 1744-1754.	5.8	20
20	Optical Properties of 2D Semiconductor WS ₂ . Advanced Optical Materials, 2018, 6, 1700767.	3.6	265
21	Intrinsic excitonic emission and valley Zeeman splitting in epitaxial MS ₂ (M = Mo and W) monolayers on hexagonal boron nitride. Nano Research, 2018, 11, 6227-6236.	5.8	8
22	Probing magnetic-proximity-effect enlarged valley splitting in monolayer WSe ₂ by photoluminescence. Nano Research, 2018, 11, 6252-6259.	5.8	20
23	Anti-Stokes Photoluminescence of van der Waals Layered Semiconductor Pbl ₂ . Advanced Optical Materials, 2017, 5, 1700609.	3.6	20
24	Room-temperature 2D semiconductor activated vertical-cavity surface-emitting lasers. Nature Communications, 2017, 8, 543.	5.8	102
25	Revealing electronic nature of broad bound exciton bands in two-dimensional semiconducting WS ₂ and	0.9	19
26	Electrically Tunable Valley-Light Emitting Diode (vLED) Based on CVD-Grown Monolayer WS ₂ . Nano Letters, 2016, 16, 1560-1567.	4.5	175
27	Graphene-Gold Metasurface Architectures for Ultrasensitive Plasmonic Biosensing. Advanced Materials, 2015, 27, 6163-6169.	11.1	262
28	Observation of Excitonic Fine Structure in a 2D Transition-Metal Dichalcogenide Semiconductor. ACS Nano, 2015, 9, 647-655.	7.3	288
29	Dichroic spin-valley photocurrent in monolayer molybdenum disulphide. Nature Communications, 2015, 6, 7636.	5.8	128
30	Strain-induced direct-indirect bandgap transition and phonon modulation in monolayer WS ₂ . Nano Research, 2015, 8, 2562-2572.	5.8	323
31	Thermal conductivity determination of suspended mono- and bilayer WS ₂ by Raman spectroscopy. Nano Research, 2015, 8, 1210-1221.	5.8	280
32	Synthesis and Optical Properties of Large-Area Single-Crystalline 2D Semiconductor WS ₂ Monolayer from Chemical Vapor Deposition. Advanced Optical Materials, 2014, 2, 131-136.	3.6	513
33	Microwave-assisted solvothermal preparation of nitrogen and sulfur co-doped reduced graphene oxide and graphene quantum dots hybrids for highly efficient oxygen reduction. Journal of Materials Chemistry A, 2014, 2, 20605-20611.	5.2	76
34	Low temperature photoresponse of monolayer tungsten disulphide. APL Materials, 2014, 2, .	2.2	10
35	Chemically Driven Tunable Light Emission of Charged and Neutral Excitons in Monolayer WS ₂ . ACS Nano, 2014, 8, 11320-11329.	7.3	236
36	Observation of low-wavenumber out-of-plane optical phonon in few-layer graphene. Journal of Raman Spectroscopy, 2013, 44, 70-74.	1.2	9

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37	Nonblinking, Intense Two-Dimensional Light Emitter: Monolayer WS ₂ Triangles. ACS Nano, 2013, 7, 10985-10994.	7.3	281
38	Photocontrolled Molecular Structural Transition and Doping in Graphene. ACS Nano, 2012, 6, 8878-8886.	7.3	58
39	The Origin of Fluorescence from Graphene Oxide. Scientific Reports, 2012, 2, 792.	1.6	505
40	Thickness-dependent azobenzene doping in mono- and few-layer graphene. Carbon, 2012, 50, 201-208.	5.4	44
41	Ultrafast Electron-Optical Phonon Scattering and Quasiparticle Lifetime in CVD-Grown Graphene. ACS Nano, 2011, 5, 3278-3283.	7.3	63
42	Raman Characterization of ABA- and ABC-Stacked Trilayer Graphene. ACS Nano, 2011, 5, 8760-8768.	7.3	184
43	Pyridinic N doped graphene: synthesis, electronic structure, and electrocatalytic property. Journal of Materials Chemistry, 2011, 21, 8038.	6.7	896
44	Large-Scale Synthesis of Bilayer Graphene in Strongly Coupled Stacking Order. Advanced Functional Materials, 2011, 21, 911-917.	7.8	90
45	Femtosecond UV-pump/visible-probe measurements of carrier dynamics in stacked graphene films. Applied Physics Letters, 2010, 97, 163103.	1.5	56
46	Modulating the electronic structures of graphene by controllable hydrogenation. Applied Physics Letters, 2010, 97, .	1.5	82