Jing Jing Wang

List of Publications by Year
in descending order

79 papers	9,603 citations	172457 29 h-index	82547 72 g-index
79 all docs	79 docs citations	79 times ranked	15156 citing authors

#	Article	IF	Citations
1	Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials. Science, 2011, 331, 568-571.	12.6	6,190
2	Amorphous silica nanowires: Intensive blue light emitters. Applied Physics Letters, 1998, 73, 3076-3078.	3.3	505
3	Nanoscale silicon wires synthesized using simple physical evaporation. Applied Physics Letters, 1998, 72, 3458-3460.	3.3	345
4	Ga2O3 nanowires prepared by physical evaporation. Solid State Communications, 1999, 109, 677-682.	1.9	293
5	Microplastic release from the degradation of polypropylene feeding bottles during infant formula preparation. Nature Food, 2020, 1, 746-754.	14.0	270
6	Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. ACS Nano, 2016, 10, 6923-6932.	14.6	231
7	Multifunctional Ti₃C₂T_x MXene Composite Hydrogels with Strain Sensitivity toward Absorption-Dominated Electromagnetic-Interference Shielding. ACS Nano, 2021, 15, 1465-1474.	14.6	194
8	A Simple Chemical Method for the Preparation of Silver Surfaces for Efficient SERS. Langmuir, 2002, 18, 2959-2961.	3.5	147
9	Simple Chemical Method for Forming Silver Surfaces with Controlled Grain Sizes for Surface Plasmon Experiments. Langmuir, 2003, 19, 6857-6861.	3.5	124
10	Direct evidence of quantum confinement from the size dependence of the photoluminescence of silicon quantum wires. Physical Review B, 1999, 59, R2498-R2501.	3.2	77
11	Low divergence photonic nanojets from Si_3N_4 microdisks. Optics Express, 2012, 20, 128.	3.4	75
12	Helium ion microscopy of graphene: beam damage, image quality and edge contrast. Nanotechnology, 2013, 24, 335702.	2.6	68
13	Raman spectroscopic investigation of Friedel's salt. Cement and Concrete Composites, 2018, 86, 306-314.	10.7	63
14	Spin-dependent transport properties of Fe3O4/MoS2/Fe3O4 junctions. Scientific Reports, 2015, 5, 15984.	3.3	53
15	Twoâ€Photon Absorption in Monolayer MXenes. Advanced Optical Materials, 2020, 8, 1902021.	7.3	50
16	Microplastics in soils: an environmental geotechnics perspective. Environmental Geotechnics, 2021, 8, 586-618.	2.3	47
17	Synthesis and photoluminescence properties of semiconductor nanowires. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 72, 117-120.	3.5	43
18	Femtosecond investigation of charge carrier dynamics in CdSe nanocluster films. Journal of Chemical Physics, 1997, 106, 3387-3392.	3.0	42

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19	Simultaneous large continuous band gap tunability and photoluminescence enhancement in GaSe nanosheets via elastic strain engineering. Nano Energy, 2017, 32, 157-164.	16.0	41
20	Controllable method for the preparation of metalized probes for efficient scanning near-field optical Raman microscopy. Applied Physics Letters, 2005, 86, 263111.	3.3	38
21	Ultrafast Nonlinear Optical Properties of a Graphene Saturable Mirror in the 2 Î¼m Wavelength Region. Laser and Photonics Reviews, 2017, 11, 1700166.	8.7	38
22	Facile Formation of Ordered Vertical Arrays by Droplet Evaporation of Au Nanorod Organic Solutions. Langmuir, 2014, 30, 10206-10212.	3.5	36
23	Novel cold spray for fabricating graphene-reinforced metal matrix composites. Materials Letters, 2017, 196, 172-175.	2.6	36
24	Comparison of nanosecond and femtosecond pulsed laser deposition of silver nanoparticle films. Nanotechnology, 2014, 25, 265301.	2.6	34
25	Flexible SERS active substrates from ordered vertical Au nanorod arrays. RSC Advances, 2014, 4, 20038.	3.6	34
26	Nonlinear optical performance of few-layer molybdenum diselenide as a slow-saturable absorber. Photonics Research, 2018, 6, 674.	7.0	34
27	Surface enhanced Raman scattering of monolayer MX2 with metallic nano particles. Scientific Reports, 2016, 6, 30320.	3.3	31
28	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. Optics Letters, 2018, 43, 255.	3.3	31
29	Apertureless near-field Raman spectroscopy. Journal of Microscopy, 2003, 210, 330-333.	1.8	30
30	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. Nano Letters, 2016, 16, 4754-4762.	9.1	24
31	Transport Gap Opening and High Onâ€“Off Current Ratio in Trilayer Graphene with Self-Aligned Nanodomain Boundaries. ACS Nano, 2015, 9, 8967-8975.	14.6	21
32	Probing thermal expansion coefficients of monolayers using surface enhanced Raman scattering. RSC Advances, 2016, 6, 99053-99059.	3.6	20
33	A Raman spectroscopy based optical fibre system for detecting carbonation profile of cementitious materials. Sensors and Actuators B: Chemical, 2018, 257, 635-649.	7.8	20
34	Tracing the status of silica fume in cementitious materials with Raman microscope. Construction and Building Materials, 2018, 159, 610-616.	7.2	20
35	Characterisation of carbonated Portland cement paste with optical fibre excitation Raman spectroscopy. Construction and Building Materials, 2017, 135, 369-376.	7.2	18
36	Magnetoresistance of Fe3O4-graphene-Fe3O4 junctions. Applied Physics Letters, 2011, 98, 052511.	3.3	17

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37	Broadband saturable absorption and exciton-exciton annihilation in MoSe₂ composite thin films. Optical Materials Express, 2019, 9, 483.	3.0	17
38	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn₂Au and Mn₂Au/Fe Bilayers. Advanced Functional Materials, 2016, 26, 5884-5892.	14.9	16
39	Photoresponsivity enhancement in monolayer MoS2 by rapid O2:Ar plasma treatment. Applied Physics Letters, 2019, 114, .	3.3	16
40	Observation of coherent phonons in silver nanoparticles embedded in BaO thin films. Applied Physics Letters, 1999, 74, 1806-1808.	3.3	15
41	In-situ monitoring of early hydration of clinker and Portland cement with optical fiber excitation Raman spectroscopy. Cement and Concrete Composites, 2020, 112, 103664.	10.7	15
42	The influence of drinking water constituents on the level of microplastic release from plastic kettles. Journal of Hazardous Materials, 2022, 425, 127997.	12.4	15
43	Monitoring the cementitious materials subjected to sulfate attack with optical fiber excitation Raman spectroscopy. Optical Engineering, 2013, 52, 104107.	1.0	14
44	Characterising and control of ammonia emission in microbial fuel cells. Chemical Engineering Journal, 2020, 389, 124462.	12.7	14
45	The formation of carbon nanostructures byin situTEM mechanical nanoscale fatigue and fracture of carbon thin films. Nanotechnology, 2009, 20, 305703.	2.6	13
46	Comparative study of image contrast in scanning electron microscope and helium ion microscope. Journal of Microscopy, 2017, 268, 313-320.	1.8	13
47	Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. Advanced Optical Materials, 2014, 2, 331-337.	7.3	12
48	Extraction, characterisation and remediation of microplastics from organic solid matrices. Environmental Geotechnics, 0, , 1-34.	2.3	11
49	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. Scientific Reports, 2019, 9, 11738.	3.3	9
50	Enhanced photoluminescence from SiOxâ€“Au nanostructures. CrystEngComm, 2013, 15, 10116.	2.6	8
51	Real-world natural passivation phenomena can limit microplastic generation in water. Chemical Engineering Journal, 2022, 428, 132466.	12.7	8
52	Coherent Phonons in Ag-BaO Thin Films. Chinese Physics Letters, 1998, 15, 834-836.	3.3	6
53	Characterising performance of TEM compatible nanomanipulation slip-stick inertial sliders against gravity. Journal of Physics: Conference Series, 2008, 126, 012096.	0.4	6
54	Effective heat dissipation in an adiabatic near-field transducer for HAMR. Optics Express, 2018, 26, 18842.	3.4	6

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55	An analytic approach to modeling the optical response of anisotropic nanoparticle arrays at surfaces and interfaces. Journal of Physics Condensed Matter, 2014, 26, 145302.	1.8	5
56	Sampling, Identification and Characterization of Microplastics Release from Polypropylene Baby Feeding Bottle during Daily Use. Journal of Visualized Experiments, 2021, , .	0.3	5
57	Differential reflection dynamics in InAsxP1â^'x/InP (xâ©½0.35) strained-multiple-quantum wells. Journal of Applied Physics, 1998, 83, 4430-4435.	2.5	4
58	Depth Profiling of PLGA Copolymer in a Novel Biomedical Bilayer Using Confocal Raman Spectroscopy. Langmuir, 2013, 29, 5905-5910.	3.5	4
59	Establishing the Carbonation Profile with Raman Spectroscopy: Effects of Fly Ash and Ground Granulated Blast Furnace Slag. Materials, 2021, 14, 1798.	2.9	4
60	The comparative study on diamond film by near-field Raman spectroscopy and micro-Raman spectroscopy. Solid State Communications, 2000, 115, 173-177.	1.9	3
61	MRT letter: Fullâ€tilt electron tomography with a piezoâ€actuated rotary drive. Microscopy Research and Technique, 2008, 71, 773-777.	2.2	3
62	High Resolution Imaging of Actin Filaments in Living Cells Under Physilogically Relevant Conditions Using Apertureless Near-Field Microscopy. Journal of Nanoscience and Nanotechnology, 2010, 10, 7489-7493.	0.9	3
63	Optimization of parameters of photonic nanojet generated by dielectric microsphere for laser nanojet SNOM. Proceedings of SPIE, 2011, , .	0.8	3
64	Fabrication of Germanium Nanowire Arrays by Block Copolymer Lithography. Science of Advanced Materials, 2013, 5, 782-787.	0.7	3
65	Femtosecond Optical Kerr Effect of Surface Modified PbS Nanocrystals. Chinese Physics Letters, 1998, 15, 192-194.	3.3	2
66	Characterising ambient and vacuum performance of a miniaturised TEM nanoindenter forin-situmaterial deformation. Journal of Physics: Conference Series, 2008, 126, 012095.	0.4	2
67	Spectroscopy in the ZnTe/CdTe multiple quantum wells. Journal of Crystal Growth, 1992, 117, 470-474.	1.5	1
68	Photoexcited carrier diffusion dependence of differential reflection dynamics in (x â‰ 0.35) strained-multiple-quantum wells. Solid State Communications, 1998, 105, 393-397.	1.9	1
69	Effect of interface roughness and well width on differential reflection dynamics in InGaAs/InP quantum wells. Applied Physics Letters, 1998, 72, 97-99.	3.3	1
70	Growth mechanism and quantum confinement effect of silicon nanowires. Science in China Series A: Mathematics, 1999, 42, 1316-1322.	0.5	1
71	A novel tripod-driven platform for in-situ positioning of samples and electrical probes in a TEM. Journal of Physics: Conference Series, 2010, 241, 012057.	0.4	1
72	Anisotropic optical response of elongated Pb islands in the infrared spectral region. Physica Status Solidi (B): Basic Research, 2012, 249, 1105-1109.	1.5	1

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73	Solvent-Engineered Stress in Nanoscale Materials. ACS Applied Materials & Interfaces, 2018, 10, 44183-44189.	8.0	1
74	Fast and scalable synthesis of lead halide perovskite nanowires for tunable room-temperature nanolasers. , 2016, , .		1
75	Femtosecond Spectroscopy Studies on YBa₂Cu₃O_{7-x}and PrBa₂Cu₃O_{7-x}Epitaxial Thin Films. Chinese Physics Letters, 1993, 10, 756-758.	3.3	0
76	Coherent phonons in silver nanoparticles embedded in BaO thin films. , 1999, , .		0
77	ULTRAFAST OPTICAL KERR EFFECT AND OPTICAL INDUCED ABSORPTION OF EMERALDINE BASE. Wuli Xuebao/Acta Physica Sinica, 1997, 46, 2363.	0.5	0
78	Nano-focusing in an Air-slot Plasmonic Waveguide With a Tapered Grating Coupler. , 2016, , .		0
79	Synthesis of Millimeter-Size Freestanding Perovskite Nanofilms from Single-Crystal Lead Bromide for Optoelectronic Devices. , 2017, , .		0