

Jing Jing Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/345412/publications.pdf>

Version: 2024-02-01

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	Real-world natural passivation phenomena can limit microplastic generation in water. Chemical Engineering Journal, 2022, 428, 132466.	12.7	8
2	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
3	Multifunctional Ti ₃ C ₂ T _x MXene Composite Hydrogels with Strain Sensitivity toward Absorption-Dominated Electromagnetic-Interference Shielding. ACS Nano, 2021, 15, 1465-1474.	14.6	194
4	Microplastics in soils: an environmental geotechnics perspective. Environmental Geotechnics, 2021, 8, 586-618.	2.3	47
5	Establishing the Carbonation Profile with Raman Spectroscopy: Effects of Fly Ash and Ground Granulated Blast Furnace Slag. Materials, 2021, 14, 1798.	2.9	4
6	Sampling, Identification and Characterization of Microplastics Release from Polypropylene Baby Feeding Bottle during Daily Use. Journal of Visualized Experiments, 2021, , .	0.3	5
7	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
8	Characterising and control of ammonia emission in microbial fuel cells. Chemical Engineering Journal, 2020, 389, 124462.	12.7	14
9	Two-Photon Absorption in Monolayer MXenes. Advanced Optical Materials, 2020, 8, 1902021.	7.3	50
10	Microplastic release from the degradation of polypropylene feeding bottles during infant formula preparation. Nature Food, 2020, 1, 746-754.	14.0	270
11	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. Scientific Reports, 2019, 9, 11738.	3.3	9
12	Photoresponsivity enhancement in monolayer MoS ₂ by rapid O ₂ :Ar plasma treatment. Applied Physics Letters, 2019, 114, .	3.3	16
13	Broadband saturable absorption and exciton-exciton annihilation in MoSe ₂ composite thin films. Optical Materials Express, 2019, 9, 483.	3.0	17
14	Raman spectroscopic investigation of Friedel's salt. Cement and Concrete Composites, 2018, 86, 306-314.	10.7	63
15	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
16	Tracing the status of silica fume in cementitious materials with Raman microscope. Construction and Building Materials, 2018, 159, 610-616.	7.2	20
17	Solvent-Engineered Stress in Nanoscale Materials. ACS Applied Materials & Interfaces, 2018, 10, 44183-44189.	8.0	1
18	Nonlinear optical performance of few-layer molybdenum diselenide as a slow-saturable absorber. Photonics Research, 2018, 6, 674.	7.0	34

#	ARTICLE	IF	CITATIONS
19	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. Optics Letters, 2018, 43, 255.	3.3	31
20	Effective heat dissipation in an adiabatic near-field transducer for HAMR. Optics Express, 2018, 26, 18842.	3.4	6
21	Characterisation of carbonated Portland cement paste with optical fibre excitation Raman spectroscopy. Construction and Building Materials, 2017, 135, 369-376.	7.2	18
22	Novel cold spray for fabricating graphene-reinforced metal matrix composites. Materials Letters, 2017, 196, 172-175.	2.6	36
23	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
24	Ultrafast Nonlinear Optical Properties of a Graphene Saturable Mirror in the 2 μ m Wavelength Region. Laser and Photonics Reviews, 2017, 11, 1700166.	8.7	38
25	Comparative study of image contrast in scanning electron microscope and helium ion microscope. Journal of Microscopy, 2017, 268, 313-320.	1.8	13
26	Synthesis of Millimeter-Size Freestanding Perovskite Nanofilms from Single-Crystal Lead Bromide for Optoelectronic Devices. , 2017, , .		0
27	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn ₂ Au and Mn ₂ Au/Fe Bilayers. Advanced Functional Materials, 2016, 26, 5884-5892.	14.9	16
28	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. Nano Letters, 2016, 16, 4754-4762.	9.1	24
29	Surface enhanced Raman scattering of monolayer MX ₂ with metallic nano particles. Scientific Reports, 2016, 6, 30320.	3.3	31
30	Probing thermal expansion coefficients of monolayers using surface enhanced Raman scattering. RSC Advances, 2016, 6, 99053-99059.	3.6	20
31	Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. ACS Nano, 2016, 10, 6923-6932.	14.6	231
32	Nano-focusing in an Air-slot Plasmonic Waveguide With a Tapered Grating Coupler. , 2016, , .		0
33	Fast and scalable synthesis of lead halide perovskite nanowires for tunable room-temperature nanolasers. , 2016, , .		1
34	Spin-dependent transport properties of Fe ₃ O ₄ /MoS ₂ /Fe ₃ O ₄ junctions. Scientific Reports, 2015, 5, 15984.	3.3	53
35	Transport Gap Opening and High On/Off Current Ratio in Trilayer Graphene with Self-Aligned Nanodomain Boundaries. ACS Nano, 2015, 9, 8967-8975.	14.6	21
36	Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. Advanced Optical Materials, 2014, 2, 331-337.	7.3	12

#	ARTICLE	IF	CITATIONS
37	An analytic approach to modeling the optical response of anisotropic nanoparticle arrays at surfaces and interfaces. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 145302.	1.8	5
38	Facile Formation of Ordered Vertical Arrays by Droplet Evaporation of Au Nanorod Organic Solutions. <i>Langmuir</i> , 2014, 30, 10206-10212.	3.5	36
39	Comparison of nanosecond and femtosecond pulsed laser deposition of silver nanoparticle films. <i>Nanotechnology</i> , 2014, 25, 265301.	2.6	34
40	Flexible SERS active substrates from ordered vertical Au nanorod arrays. <i>RSC Advances</i> , 2014, 4, 20038.	3.6	34
41	Helium ion microscopy of graphene: beam damage, image quality and edge contrast. <i>Nanotechnology</i> , 2013, 24, 335702.	2.6	68
42	Enhanced photoluminescence from SiO ₂ /Au nanostructures. <i>CrystEngComm</i> , 2013, 15, 10116.	2.6	8
43	Depth Profiling of PLGA Copolymer in a Novel Biomedical Bilayer Using Confocal Raman Spectroscopy. <i>Langmuir</i> , 2013, 29, 5905-5910.	3.5	4
44	Monitoring the cementitious materials subjected to sulfate attack with optical fiber excitation Raman spectroscopy. <i>Optical Engineering</i> , 2013, 52, 104107.	1.0	14
45	Fabrication of Germanium Nanowire Arrays by Block Copolymer Lithography. <i>Science of Advanced Materials</i> , 2013, 5, 782-787.	0.7	3
46	Low divergence photonic nanojets from Si ₃ N ₄ microdisks. <i>Optics Express</i> , 2012, 20, 128.	3.4	75
47	Anisotropic optical response of elongated Pb islands in the infrared spectral region. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1105-1109.	1.5	1
48	Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials. <i>Science</i> , 2011, 331, 568-571.	12.6	6,190
49	Magnetoresistance of Fe ₃ O ₄ -graphene-Fe ₃ O ₄ junctions. <i>Applied Physics Letters</i> , 2011, 98, 052511.	3.3	17
50	Optimization of parameters of photonic nanojet generated by dielectric microsphere for laser nanojet SNOM. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
51	High Resolution Imaging of Actin Filaments in Living Cells Under Physiologically Relevant Conditions Using Apertureless Near-Field Microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7489-7493.	0.9	3
52	A novel tripod-driven platform for in-situ positioning of samples and electrical probes in a TEM. <i>Journal of Physics: Conference Series</i> , 2010, 241, 012057.	0.4	1
53	The formation of carbon nanostructures by in situ TEM mechanical nanoscale fatigue and fracture of carbon thin films. <i>Nanotechnology</i> , 2009, 20, 305703.	2.6	13
54	MRT letter: Full tilt electron tomography with a piezo-actuated rotary drive. <i>Microscopy Research and Technique</i> , 2008, 71, 773-777.	2.2	3

#	ARTICLE	IF	CITATIONS
55	Characterising ambient and vacuum performance of a miniaturised TEM nanoindenter for <i>in-situ</i> material deformation. Journal of Physics: Conference Series, 2008, 126, 012095.	0.4	2
56	Characterising performance of TEM compatible nanomanipulation slip-stick inertial sliders against gravity. Journal of Physics: Conference Series, 2008, 126, 012096.	0.4	6
57	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
58	Apertureless near-field Raman spectroscopy. Journal of Microscopy, 2003, 210, 330-333.	1.8	30
59	Simple Chemical Method for Forming Silver Surfaces with Controlled Grain Sizes for Surface Plasmon Experiments. Langmuir, 2003, 19, 6857-6861.	3.5	124
60	A Simple Chemical Method for the Preparation of Silver Surfaces for Efficient SERS. Langmuir, 2002, 18, 2959-2961.	3.5	147
61	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
62	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
63	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
64	Ga ₂ O ₃ nanowires prepared by physical evaporation. Solid State Communications, 1999, 109, 677-682.	1.9	293
65	Growth mechanism and quantum confinement effect of silicon nanowires. Science in China Series A: Mathematics, 1999, 42, 1316-1322.	0.5	1
66	Observation of coherent phonons in silver nanoparticles embedded in BaO thin films. Applied Physics Letters, 1999, 74, 1806-1808.	3.3	15
67	Coherent phonons in silver nanoparticles embedded in BaO thin films. , 1999, , .		0
68	Photoexcited carrier diffusion dependence of differential reflection dynamics in (x ≈ 0.35) strained-multiple-quantum wells. Solid State Communications, 1998, 105, 393-397.	1.9	1
69	Differential reflection dynamics in InAs _x P _{1-x} /InP (x ≈ 0.35) strained-multiple-quantum wells. Journal of Applied Physics, 1998, 83, 4430-4435.	2.5	4
70	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
71	Nanoscale silicon wires synthesized using simple physical evaporation. Applied Physics Letters, 1998, 72, 3458-3460.	3.3	345
72	Amorphous silica nanowires: Intensive blue light emitters. Applied Physics Letters, 1998, 73, 3076-3078.	3.3	505

#	ARTICLE	IF	CITATIONS
73	Coherent Phonons in Ag-BaO Thin Films. Chinese Physics Letters, 1998, 15, 834-836.	3.3	6
74	Femtosecond Optical Kerr Effect of Surface Modified PbS Nanocrystals. Chinese Physics Letters, 1998, 15, 192-194.	3.3	2
75	Femtosecond investigation of charge carrier dynamics in CdSe nanocluster films. Journal of Chemical Physics, 1997, 106, 3387-3392.	3.0	42
76	ULTRAFAST OPTICAL KERR EFFECT AND OPTICAL INDUCED ABSORPTION OF EMERALDINE BASE. Wuli Xuebao/Acta Physica Sinica, 1997, 46, 2363.	0.5	0
77	Femtosecond Spectroscopy Studies on $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ Epitaxial Thin Films. Chinese Physics Letters, 1993, 10, 756-758.	3.3	0
78	Spectroscopy in the ZnTe/CdTe multiple quantum wells. Journal of Crystal Growth, 1992, 117, 470-474.	1.5	1
79	Extraction, characterisation and remediation of microplastics from organic solid matrices. Environmental Geotechnics, 0, , 1-34.	2.3	11