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List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

3,559
citations

257450

24
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

6563
citing authors

#	ARTICLE	IF	CITATIONS
1	Fringe analysis approach for imaging surface undulations on technical surfaces. <i>Optics Express</i> , 2021, 29, 33067.	3.4	0
2	Degenerately Hydrogen Doped Molybdenum Oxide Nanodisks for Ultrasensitive Plasmonic Biosensing. <i>Advanced Functional Materials</i> , 2018, 28, 1706006.	14.9	105
3	A human pilot trial of ingestible electronic capsules capable of sensing different gases in the gut. <i>Nature Electronics</i> , 2018, 1, 79-87.	26.0	240
4	Microfluidic dielectrophoretic cell manipulation towards stable cell contact assemblies. <i>Biomedical Microdevices</i> , 2018, 20, 95.	2.8	10
5	The safety and sensitivity of a telemetric capsule to monitor gastrointestinal hydrogen production in vivo in healthy subjects: a pilot trial comparison to concurrent breath analysis. <i>Alimentary Pharmacology and Therapeutics</i> , 2018, 48, 646-654.	3.7	46
6	Quasi physisorptive two dimensional tungsten oxide nanosheets with extraordinary sensitivity and selectivity to NO ₂ . <i>Nanoscale</i> , 2017, 9, 19162-19175.	5.6	81
7	A Gallium-Based Magnetocaloric Liquid Metal Ferrofluid. <i>Nano Letters</i> , 2017, 17, 7831-7838.	9.1	101
8	Ionic imbalance induced self-propulsion of liquid metals. <i>Nature Communications</i> , 2016, 7, 12402.	12.8	158
9	High Performance Field Effect Transistors Using Electronic Inks of 2D Molybdenum Oxide Nanoflakes. <i>Advanced Functional Materials</i> , 2016, 26, 91-100.	14.9	164
10	Exfoliation Solvent Dependent Plasmon Resonances in Two-Dimensional Sub-Stoichiometric Molybdenum Oxide Nanoflakes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3482-3493.	8.0	111
11	Intercalated 2D MoS ₂ Utilizing a Simulated Sun Assisted Process: Reducing the HER Overpotential. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2447-2455.	3.1	61
12	Controlled Electrochemical Deformation of Liquid-Phase Gallium. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3833-3839.	8.0	38
13	Acoustically-Driven Trion and Exciton Modulation in Piezoelectric Two-Dimensional MoS ₂ . <i>Nano Letters</i> , 2016, 16, 849-855.	9.1	91
14	Sonication synthesis of micro-sized silver nanoparticle/oleic acid liquid marbles: A novel SERS sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 52-58.	7.8	20
15	Electronic Tuning of 2D MoS ₂ through Surface Functionalization. <i>Advanced Materials</i> , 2015, 27, 6225-6229.	21.0	194
16	Plasmon Resonances of Highly Doped Two-Dimensional MoS ₂ . <i>Nano Letters</i> , 2015, 15, 883-890.	9.1	167
17	Liquid Metal/Metal Oxide Frameworks with Incorporated Ga ₂ O ₃ for Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1943-1948.	8.0	138
18	Physisorption-Based Charge Transfer in Two-Dimensional SnS ₂ for Selective and Reversible NO ₂ Gas Sensing. <i>ACS Nano</i> , 2015, 9, 10313-10323.	14.6	624

#	ARTICLE	IF	CITATIONS
19	Dynamic Nanofin Heat Sinks. <i>Advanced Energy Materials</i> , 2014, 4, 1300537.	19.5	19
20	Ion-Driven Photoluminescence Modulation of Quasi-Two-Dimensional MoS ₂ Nanoflakes for Applications in Biological Systems. <i>Nano Letters</i> , 2014, 14, 857-863.	9.1	245
21	Silver nanoparticle/PDMS nanocomposite catalytic membranes for H ₂ S gas removal. <i>Journal of Membrane Science</i> , 2014, 470, 346-355.	8.2	37
22	Electrospun Granular Hollow SnO ₂ Nanofibers Hydrogen Gas Sensors Operating at Low Temperatures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3129-3139.	3.1	166
23	Substoichiometric two-dimensional molybdenum oxide flakes: a plasmonic gas sensing platform. <i>Nanoscale</i> , 2014, 6, 12780-12791.	5.6	77
24	Electrochemical Control of Photoluminescence in Two-Dimensional MoS ₂ Nanoflakes. <i>ACS Nano</i> , 2013, 7, 10083-10093.	14.6	282
25	In situ SERS probing of nano-silver coated individual yeast cells. <i>Biosensors and Bioelectronics</i> , 2013, 49, 536-541.	10.1	52
26	Microfluidics and Raman microscopy: current applications and future challenges. <i>Chemical Society Reviews</i> , 2013, 42, 5880.	38.1	177
27	Thermal analysis of nanofluids in microfluidics using an infrared camera. <i>Lab on A Chip</i> , 2012, 12, 2520.	6.0	22
28	Active Control of Silver Nanoparticles Spacing Using Dielectrophoresis for Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2012, 84, 4029-4035.	6.5	61
29	Dynamic manipulation of modes in an optical waveguide using dielectrophoresis. <i>Electrophoresis</i> , 2012, 33, 2075-2085.	2.4	7
30	Dielectrophoresis-Raman spectroscopy system for analysing suspended nanoparticles. <i>Lab on A Chip</i> , 2011, 11, 921.	6.0	51
31	Dielectrophoresis-Raman spectroscopy system for analysing suspended WO ₃ nanoparticles. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
32	Dielectrophoresis of micro/nano particles using curved microelectrodes. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
33	Tuneable optical waveguide based on dielectrophoresis and microfluidics. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
34	Interaction of guided light in rib polymer waveguides with dielectrophoretically controlled nanoparticles. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 93-104.	2.2	13