

# Xiaojie Li

## List of Publications by Year in descending order

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34  
papers

407  
citations

840776

11  
h-index

794594

19  
g-index

34  
all docs

34  
docs citations

34  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> fabrication of carbon dots-based lubricants using a facile ultrasonic approach. <i>Green Chemistry</i> , 2019, 21, 2279-2285.	9.0	70
2	Molecular dynamics simulation on flow behavior of nanofluids between flat plates under shear flow condition. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 475-480.	2.2	38
3	Effect of Initial Hardness on Interfacial Features in Underwater Explosive Welding of Tool Steel SKS3. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 421-428.	2.5	29
4	Characterization and photocatalytic properties of SnO <sub>2</sub> –TiO <sub>2</sub> nanocomposites prepared through gaseous detonation method. <i>Ceramics International</i> , 2017, 43, 1517-1521.	4.8	28
5	Molecular dynamics simulation of nanofluid's flow behaviors in the near-wall model and main flow model. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 581-589.	2.2	27
6	On the Influencing Factors and Strengthening Mechanism for Thermal Conductivity of Nanofluids by Molecular Dynamics Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13568-13575.	3.7	20
7	Research on the interfacial microstructure of three-layered stainless steel/Ti/low-carbon steel composite prepared by explosive welding. <i>Composite Interfaces</i> , 2021, 28, 609-624.	2.3	18
8	Study of explosive welding of A6061/SUS821L1 using interlayers with different thicknesses and the air shockwave between plates. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 3779-3794.	3.0	17
9	Characterization and photocatalytic properties of SiO <sub>2</sub> –TiO <sub>2</sub> nanocomposites prepared through gaseous detonation method. <i>Ceramics International</i> , 2017, 43, 9377-9381.	4.8	16
10	An Alternative Thin-Plate Welding Technology Using Underwater Shock Wave. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1733-1743.	2.6	13
11	An investigation on the flow and heat transfer characteristics of nanofluids by nonequilibrium molecular dynamics simulations. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2016, 70, 152-163.	0.9	13
12	Numerical study of underwater shock wave by a modified method of characteristics. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	12
13	Fabrication of graded density impactor via underwater shock wave and quasi-isentropic compression testing at two-stage gas gun facility. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1941-1946.	2.3	12
14	One-step rapid fabrication of high-purity onion-like carbons as efficient lubrication additives. <i>Journal of Materials Science</i> , 2021, 56, 1286-1297.	3.7	10
15	Study of continuous velocity probe method for the determination of the detonation pressure of commercial explosives. <i>Journal of Energetic Materials</i> , 2018, 36, 377-385.	2.0	9
16	Detonation Synthesis and Friction-Wear Test of Carbon-Encapsulated Copper Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1569-1575.	3.7	8
17	Numerical study of two-dimensional cylindrical underwater explosion by a modified method of characteristics. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	7
18	A simple electrometric method for parametric determination of Jones-Wilkins-Lee equation of state from underwater explosion test. <i>Journal of Applied Physics</i> , 2018, 124, 215906.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Microstructure and Strengthening Mechanism of Ti/Cu Laminated Composite Produced by Underwater Explosive Welding. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5069-5079.	2.5	7
20	Study on the factors of large-scale space wave absorption of MWCNTs/Fe <sub>3</sub> O <sub>4</sub> nanocomposite particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22727-22739.	2.2	6
21	Study on absorbing wave of Fe <sub>3</sub> O <sub>4</sub> /MWCNTs nanoparticles based on large-scale space. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2666-2675.	2.2	6
22	A velocity probe-based method for continuous detonation and shock measurement in near-field underwater explosion. <i>Review of Scientific Instruments</i> , 2017, 88, 123905.	1.3	5
23	Numerical study of the postcombustion effects on the underwater explosion of an aluminized explosive by a novel nonisentropic model for the detonation products. <i>Journal of Energetic Materials</i> , 2019, 37, 174-187.	2.0	5
24	Effects of radiation heat transfer space non-uniformity of combustion chamber components on in-cylinder soot emission formation in diesel engine. <i>Science China Technological Sciences</i> , 2010, 53, 1824-1832.	4.0	4
25	A modified method of characteristics and its application in forward and inversion simulations of underwater explosion. <i>AIP Advances</i> , 2016, 6, .	1.3	4
26	The Influence of Ar on the Synthesis of Carbon-coated Copper Nanoparticles in Gaseous Detonation. <i>Current Nanoscience</i> , 2018, 14, 360-365.	1.2	4
27	Study on interface morphology and effect of gap gas in explosive welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 1395-1402.	2.5	3
28	Optimal Design and Preparation of Nano-TiO <sub>2</sub> Photocatalyst Using Gaseous Detonation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2124-2129.	0.9	2
29	Underwater explosive compaction-sintering of tungsten-copper coating on a copper surface. <i>High Pressure Research</i> , 2018, 38, 41-52.	1.2	2
30	Determination of JWL parameters from underwater explosion test of spherical explosives by continuous velocity probe. <i>Journal of Energetic Materials</i> , 2020, , 1-15.	2.0	2
31	Phase transition rate of anatase during detonation synthesis of TiO <sub>2</sub> . <i>Phase Transitions</i> , 2017, 90, 618-627.	1.3	1
32	Experimental Study of Bilinear Initiating System Based on Hard Rock Pile Blasting. <i>Shock and Vibration</i> , 2017, 2017, 1-9.	0.6	1
33	A novel data-analysis method for underwater explosion tests by inverse modeling. <i>Applied Mathematical Modelling</i> , 2021, 90, 1153-1169.	4.2	1
34	Dynamic Response and Parametric Studies of Elliptical Blast-Resistant Door with the Combined Structure for Large Vacuum Explosion Containers. <i>Shock and Vibration</i> , 2021, 2021, 1-14.	0.6	0