Bing-Xu Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

21 papers	230 citations	1307594 7 h-index	1058476 14 g-index
22 all docs	22 docs citations	22 times ranked	112 citing authors

#	Article	IF	Citations
1	Role of nano-sized materials as lubricant additives in friction and wear reduction: A review. Wear, 2022, 490-491, 204206.	3.1	43
2	Microstructure, wear behavior and surface hardening of austempered ductile iron. Journal of Materials Research and Technology, 2020, 9, 9838-9855.	5.8	36
3	Effects of quench-tempering and laser hardening treatment on wear resistance of gray cast iron. Journal of Materials Research and Technology, 2020, 9, 8163-8171.	5.8	28
4	Tribological behaviour of <scp>SnO₂</scp> nanoparticles as an oil additive on brass. Lubrication Science, 2018, 30, 247-255.	2.1	24
5	Rolling contact fatigue resistance of austempered ductile iron processed at various austempering holding times. Wear, 2018, 398-399, 41-46.	3.1	18
6	Investigation on shearing strength of resistance spot-welded joints of dissimilar steel plates with varying welding current and time. Journal of Materials Research and Technology, 2022, 16, 1021-1028.	5.8	15
7	Role of trace nanoparticles in manipulating the widmanstatten structure of low carbon steel. Materials Letters, 2022, 306, 130853.	2.6	12
8	Microstructure and Tensile Properties of Graphite Ductile Iron Improved by Minor Amount of Dualâ€Phased TiCâ€“TiB₂ Nanoparticles. Advanced Engineering Materials, 2021, 23, 2100246.	3.5	10
9	Wear Behavior of Austempered and Quenched and Tempered Gray Cast Irons under Similar Hardness. Metals, 2019, 9, 1329.	2.3	8
10	Investigation on Tensile Properties of Austempered SAE52100 Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1593-1601.	2.2	6
11	Simultaneously enhanced hardness and toughness of normalized graphite ductile irons by TiC-TiB2 nanoparticles. Materials Letters, 2021, 291, 129597.	2.6	6
12	Experimental evaluations on tribological performance of oil-based WS2 nanofluid applied on steel/brass friction pairs. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
13	Microstructure Refinement and Strengtheningâ€“Toughening Mechanisms of Gray Cast Irons Reinforced by In Situ Nanosized TiB₂â€“TiC/Al Master Alloy. Advanced Engineering Materials, 2022, 24, 2100731.	3.5	5
14	Assessment of Tribological Properties of Oil-Based Flake WS₂-Oleic Acid Lubricant on Steel-Brass Sliding Contact. Tribology Online, 2020, 15, 293-299.	0.9	4
15	Tribological properties of Al2O3/WS2 oil-based composite lubricant utilized on steel-brass frictional couples. Surface Topography: Metrology and Properties, 2021, 9, 015018.	1.6	3
16	Orthogonal tests of the lubricating performance of SnO₂ nanoparticles in poly-alfa-olefine oil. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 908-915.	1.8	2
17	Experimental analysis on tribological properties and lubricating mechanisms of oil-based Al₂O₃ nanofluids applied on steel-brass frictional pairs. Surface Topography: Metrology and Properties, 2020, 8, 045011.	1.6	2
18	Microstructural Configuration and Impact Toughness of Graphite Ductile Iron Reinforced by Trace Amount of TiC-TiB2 Nanoparticles. Journal of Materials Engineering and Performance, 2022, 31, 4575-4582.	2.5	2

#	Article	IF	Citations
19	Pearlitic structure and wear properties of graphite cast iron reinforced with biphase TiC-TiB2 nanoparticles. Surface Topography: Metrology and Properties, 2020, 8, 045024.	1.6	1
20	Phase transformation of austempered and quench-tempered gray cast irons under laser surface hardening treatment. International Journal of Cast Metals Research, 2021, 34, 70-74.	1.0	0
21	Tribological Behavior of Electrical Connector Sn/Ni/Cu Coating with Intermetallic Compound Layers Under Reciprocating Motion. Advanced Engineering Materials, 0, , 2101783.	3.5	0