Dongqing He

List of Publications by Year
in descending order

19	627	686830 13	794141 19
papers	citations	h-index	g-index

19	19	19	490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving tribological properties of titanium alloys by combining laser surface texturing and diamond-like carbon film. Tribology International, 2015, 82, 20-27.	3.0	184
2	Effects of WC phase contents on the microstructure, mechanical properties and tribological behaviors of WC/a-C superlattice coatings. Applied Surface Science, 2015, 357, 2039-2047.	3.1	60
3	Tailoring the mechanical and tribological properties of B 4 C/a-C coatings by controlling the boron carbide content. Surface and Coatings Technology, 2017, 329, 11-18.	2.2	53
4	Improving the tribological and corrosive properties of MoS2-based coatings by dual-doping and multilayer construction. Applied Surface Science, 2018, 437, 233-244.	3.1	53
5	Tribological behaviors of in-situ textured DLC films under dry and lubricated conditions. Applied Surface Science, 2020, 525, 146581.	3.1	49
6	Simultaneously achieving superior mechanical and tribological properties in WC/a-C nanomultilayers via structural design and interfacial optimization. Journal of Alloys and Compounds, 2017, 698, 420-432.	2.8	35
7	Achieving superior hot corrosion resistance by PVD/HVOF duplex design. Corrosion Science, 2020, 175, 108845.	3.0	27
8	Improving the mechanical and tribological properties of TiB2/a-C nanomultilayers by structural optimization. Ceramics International, 2018, 44, 3356-3363.	2.3	23
9	Strategy for improving the wear-resistance properties of detonation sprayed Fe-based amorphous coatings by cryogenic cycling treatment. Surface and Coatings Technology, 2021, 410, 126962.	2.2	23
10	Investigation of Post-deposition Annealing Effects on Microstructure, Mechanical and Tribological Properties of WC/a-C Nanocomposite Coatings. Tribology Letters, 2016, 63, 1.	1.2	21
11	Corrosion and tribocorrosion behaviour of superâ€thick diamondâ€like carbon films deposited on stainless steel in NaCl solution. Surface and Interface Analysis, 2016, 48, 360-367.	0.8	20
12	Tribological behaviors of CrN/Cr3C2-NiCr duplex coating at elevated temperatures. Surface and Coatings Technology, 2019, 378, 124926.	2.2	19
13	Optimizing mechanical and tribological properties of DLC/Cr3C2-NiCr duplex coating via tailoring interlayer thickness. Surface and Coatings Technology, 2022, 434, 128198.	2.2	16
14	Effect of microstructure and mechanical properties on the tribological and electrochemical performances of Si/DLC films under HCl corrosive environment. Diamond and Related Materials, 2021, 116, 108385.	1.8	13
15	Tribological behaviors of DLC films in sulfuric acid and sodium hydroxide solutions. Surface and Interface Analysis, 2020, 52, 396-406.	0.8	8
16	AlCrN/Cr3C2â€“NiCr duplex coating towards high load-bearing and dry sliding antiwear applications. Ceramics International, 2022, 48, 18933-18943.	2.3	8
17	Superior mechanical and tribological properties governed by optimized modulation ratio in WC/a-C nano-multilayers. Ceramics International, 2021, 47, 16861-16869.	2.3	7
18	Mechanical and High-Temperature Tribological Properties of Cr3C2-NiCr/TiN Duplex Coating. Journal of Materials Engineering and Performance, 2020, 29, 7207-7220.	1.2	5

#	Article	IF	Citations
19	Impact wear behavior of WC/a-C nanomultilayers. Materials Research Express, 2019, 6, 116443.	0.8	3