

# Dongqing He

## List of Publications by Year in descending order

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19  
papers

627  
citations

686830

13  
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794141

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19  
docs citations

19  
times ranked

490  
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#	ARTICLE	IF	CITATIONS
1	Optimizing mechanical and tribological properties of DLC/Cr <sub>3</sub> C <sub>2</sub> -NiCr duplex coating via tailoring interlayer thickness. <i>Surface and Coatings Technology</i> , 2022, 434, 128198.	2.2	16
2	AlCrN/Cr <sub>3</sub> C <sub>2</sub> -NiCr duplex coating towards high load-bearing and dry sliding antiwear applications. <i>Ceramics International</i> , 2022, 48, 18933-18943.	2.3	8
3	Strategy for improving the wear-resistance properties of detonation sprayed Fe-based amorphous coatings by cryogenic cycling treatment. <i>Surface and Coatings Technology</i> , 2021, 410, 126962.	2.2	23
4	Effect of microstructure and mechanical properties on the tribological and electrochemical performances of Si/DLC films under HCl corrosive environment. <i>Diamond and Related Materials</i> , 2021, 116, 108385.	1.8	13
5	Superior mechanical and tribological properties governed by optimized modulation ratio in WC/a-C nano-multilayers. <i>Ceramics International</i> , 2021, 47, 16861-16869.	2.3	7
6	Mechanical and High-Temperature Tribological Properties of Cr <sub>3</sub> C <sub>2</sub> -NiCr/TiN Duplex Coating. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 7207-7220.	1.2	5
7	Tribological behaviors of in-situ textured DLC films under dry and lubricated conditions. <i>Applied Surface Science</i> , 2020, 525, 146581.	3.1	49
8	Achieving superior hot corrosion resistance by PVD/HVOF duplex design. <i>Corrosion Science</i> , 2020, 175, 108845.	3.0	27
9	Tribological behaviors of DLC films in sulfuric acid and sodium hydroxide solutions. <i>Surface and Interface Analysis</i> , 2020, 52, 396-406.	0.8	8
10	Impact wear behavior of WC/a-C nanomultilayers. <i>Materials Research Express</i> , 2019, 6, 116443.	0.8	3
11	Tribological behaviors of CrN/Cr <sub>3</sub> C <sub>2</sub> -NiCr duplex coating at elevated temperatures. <i>Surface and Coatings Technology</i> , 2019, 378, 124926.	2.2	19
12	Improving the tribological and corrosive properties of MoS <sub>2</sub> -based coatings by dual-doping and multilayer construction. <i>Applied Surface Science</i> , 2018, 437, 233-244.	3.1	53
13	Improving the mechanical and tribological properties of TiB <sub>2</sub> /a-C nanomultilayers by structural optimization. <i>Ceramics International</i> , 2018, 44, 3356-3363.	2.3	23
14	Simultaneously achieving superior mechanical and tribological properties in WC/a-C nanomultilayers via structural design and interfacial optimization. <i>Journal of Alloys and Compounds</i> , 2017, 698, 420-432.	2.8	35
15	Tailoring the mechanical and tribological properties of B <sub>4</sub> C/a-C coatings by controlling the boron carbide content. <i>Surface and Coatings Technology</i> , 2017, 329, 11-18.	2.2	53
16	Corrosion and tribocorrosion behaviour of super-thick diamond-like carbon films deposited on stainless steel in NaCl solution. <i>Surface and Interface Analysis</i> , 2016, 48, 360-367.	0.8	20
17	Investigation of Post-deposition Annealing Effects on Microstructure, Mechanical and Tribological Properties of WC/a-C Nanocomposite Coatings. <i>Tribology Letters</i> , 2016, 63, 1.	1.2	21
18	Effects of WC phase contents on the microstructure, mechanical properties and tribological behaviors of WC/a-C superlattice coatings. <i>Applied Surface Science</i> , 2015, 357, 2039-2047.	3.1	60

#	ARTICLE	IF	CITATIONS
19	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