

Jin-Kun Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

987
citations

394421

19
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and wear behavior of FeCoNiCrMn high entropy alloy coating deposited by plasma spraying. <i>Surface and Coatings Technology</i> , 2020, 385, 125430.	4.8	97
2	Effect of carbon content on microstructure, hardness and wear resistance of CoCrFeMnNiCx high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156533.	5.5	86
3	Effect of heat treatment on structure and property evolutions of atmospheric plasma sprayed NiCrBSi coatings. <i>Surface and Coatings Technology</i> , 2017, 325, 548-554.	4.8	80
4	Wear mechanism of Cu-based brake pad for high-speed train braking at speed of 380 km/h. <i>Tribology International</i> , 2020, 150, 106357.	5.9	60
5	The tribo-corrosion behavior of Cu-9wt% Ni-6wt% Sn alloy. <i>Tribology International</i> , 2016, 94, 260-268.	5.9	59
6	Microscratch behavior of copper-graphite composites. <i>Tribology International</i> , 2013, 57, 38-45.	5.9	58
7	Tribological behavior of copper-molybdenum disulfide composites. <i>Wear</i> , 2017, 384-385, 61-71.	3.1	54
8	Microstructure and tribological properties of plasma sprayed FeCoNiCrSiAlx high entropy alloy coatings. <i>Wear</i> , 2020, 448-449, 203209.	3.1	53
9	Tribological Behavior of Cu Matrix Composites Containing Graphite and Tungsten Disulfide. <i>Tribology Transactions</i> , 2014, 57, 1037-1043.	2.0	50
10	Microstructure evolution and tribological performance of Cu-WS ₂ self-lubricating composites. <i>Wear</i> , 2018, 412-413, 109-119.	3.1	49
11	Sliding Wear Behavior of Silver-Molybdenum Disulfide Composite. <i>Tribology Transactions</i> , 2012, 55, 473-480.	2.0	47
12	Role of Mo on tribological properties of atmospheric plasma-sprayed Mo-NiCrBSi composite coatings under dry and oil-lubricated conditions. <i>Journal of Alloys and Compounds</i> , 2017, 727, 841-850.	5.5	47
13	Microstructure, wear and corrosion behaviors of plasma sprayed NiCrBSi-Zr coating. <i>Surface and Coatings Technology</i> , 2019, 360, 172-180.	4.8	36
14	Microstructure and tribological properties of plasma sprayed Cu-15Ni-8Sn coatings. <i>Surface and Coatings Technology</i> , 2018, 337, 159-167.	4.8	32
15	Friction of metal-matrix self-lubricating composites: Relationships among lubricant content, lubricating film coverage, and friction coefficient. <i>Friction</i> , 2020, 8, 517-530.	6.4	31
16	Microstructure and Tribological Properties of Plasma-Sprayed CoCrFeNi-based High-Entropy Alloy Coatings Under Dry and Oil-Lubricated Sliding Conditions. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 926-936.	3.1	29
17	Sliding electrical contact behavior of AuAgCu brush on Au plating. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 3029-3036.	4.2	27
18	Sliding electrical contact behavior of brass fiber brush against coin-silver and Au plating. <i>Wear</i> , 2016, 368-369, 461-469.	3.1	24

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19	Effect of Spray Distance on Microstructure and Tribological Performance of Suspension Plasma-Sprayed Hydroxyapatite/Titania Composite Coatings. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1255-1263.	3.1	21
20	Effects of temperature and atmosphere on microstructure and tribological properties of plasma sprayed FeCrBSi coatings. <i>Journal of Alloys and Compounds</i> , 2018, 753, 586-594.	5.5	20
21	Tribological behavior of brass fiber brush against copper, brass, coin-silver and steel. <i>Wear</i> , 2015, 326-327, 48-57.	3.1	13
22	Wear behaviors of 5 wt % SiO ₂ /Ni ₆₀ coatings deposited by atmospheric plasma spraying under dry and water-lubrication sliding conditions. <i>Wear</i> , 2021, 470-471, 203621.	3.1	11
23	SLURRY EROSION BEHAVIOR OF HVOF SPRAYED WC-12Co AND Cr ₃ C ₂ -25NiCr COATINGS DEPOSITED ON 16Cr5Ni STAINLESS STEEL. <i>Surface Review and Letters</i> , 2020, 27, 1950193.	1.1	2
24	Experimental investigation of diffusion behaviors in Ni^{3+} and Ni^{2+} in Ni-Al-Co alloys. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2021, 74, 102286.	1.6	1