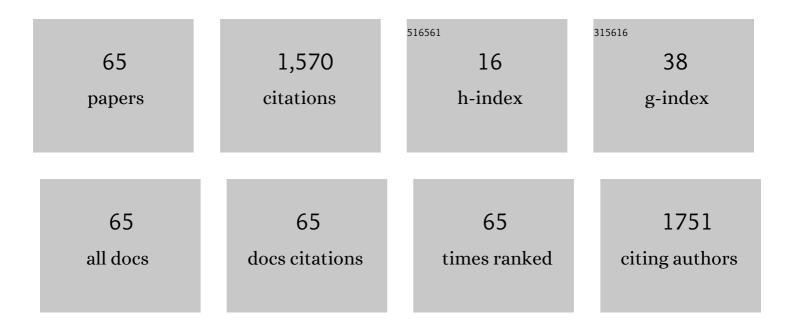
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effect of ultrasonic surface rolling on microstructural evolution and fretting wear resistance of 20CrMoH steel under different quenching temperatures. Materials Chemistry and Physics, 2022, 288, 126362.	2.0	4
2	The Effect of Mobile Wearable Waist Assist Robot on Lower Back Pain during Lifting and Handling Tasks. Mobile Networks and Applications, 2021, 26, 988-996.	2.2	5
3	Rolling contact fatigue properties of ultrasonic surface rolling treated 25CrNi2MoV steel under different lubricant viscosities. International Journal of Fatigue, 2021, 142, 105970.	2.8	22
4	Microstructure and mechanical properties of TiAl/Ni-based superalloy joints vacuum brazed with Ti–Zr–Fe–Cu–Ni–Co–Mo filler metal. Rare Metals, 2021, 40, 2134-2142.	3.6	8
5	Effects of an industrial passive assistive exoskeleton on muscle activity, oxygen consumption and subjective responses during lifting tasks. PLoS ONE, 2021, 16, e0245629.	1.1	15
6	Research on obstacle avoidance algorithm for unmanned ground vehicle based on multi-sensor information fusion. Mathematical Biosciences and Engineering, 2021, 18, 1022-1039.	1.0	12
7	Research on a gait detection system and recognition algorithm for lower limb exoskeleton robot. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	13
8	Fabrication of highly dissimilar TC4/steel joint with V/Cu composite transition layer by laser melting deposition. Journal of Alloys and Compounds, 2021, 862, 158319.	2.8	11
9	Development of an ergonomic wearable robotic device for assisting manual workers. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110467.	1.3	2
10	Investigation on the parameters optimization and sliding wear behaviors under starved lubrication of discrete laser surface hardened 25CrNi2MoV steel. Tribology International, 2021, 163, 107176.	3.0	13
11	Synergistic effects of a combined surface modification technology on rolling contact fatigue behaviors of 20CrMoH steel under different contact stresses. International Journal of Fatigue, 2021, 153, 106487.	2.8	16
12	Concurrent Hardening and Toughening of a Tungsten Heavy Alloy via a Novel Carburizing Cyclic Heat Treatment. Advanced Engineering Materials, 2021, 23, 2001283.	1.6	5
13	Effect of ultrasonic nanocrystalline surface modification process on fretting wear behavior of laser surface textured 20CrMoH steel. Surface and Coatings Technology, 2021, 427, 127827.	2.2	9
14	A comparison of wear behaviour of heat-resistant steel engine valves and TiAl engine valves. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1549-1562.	1.0	5
15	M3B2-type borides effect on the wide gap brazing of K417G alloy with mixed powder. Journal of Alloys and Compounds, 2020, 821, 153431.	2.8	12
16	Effects of a passive upper extremity exoskeleton for overhead tasks. Journal of Electromyography and Kinesiology, 2020, 55, 102478.	0.7	29
17	Drop Tower Experiment to Study the Effect of Microgravity on Friction Behavior: Experimental Set-up and Preliminary Results. Microgravity Science and Technology, 2020, 32, 1095-1104.	0.7	2
18	Wide-Gap Brazing of K417G Alloy Assisted by In Situ Precipitation of M3B2 Boride Particles. Materials, 2020, 13, 3140.	1.3	5

#	Article	IF	CITATIONS
19	Effects of Microstructure Evolution on Fretting Wear Behaviors of 25CrNi2MoVE Steel under Different Tempering States. Metals, 2020, 10, 351.	1.0	8
20	Microstructures and rolling contact fatigue behaviors of 17Cr2Ni2MoVNb steel under combined ultrasonic surface rolling and shot peening. International Journal of Fatigue, 2020, 141, 105867.	2.8	31
21	Evolution of the Fretting Wear Damage of a Complex Phase Compound Layer for a Nitrided High-Carbon High-Chromium Steel. Metals, 2020, 10, 1391.	1.0	2
22	Influence of Effective Laser Energy on the Structure and Mechanical Properties of Laser Melting Deposited Ti6Al4V Alloy. Materials, 2020, 13, 962.	1.3	11
23	Evolution of Fretting Wear Behaviors and Mechanisms of 20CrMnTi Steel after Carburizing. Metals, 2020, 10, 179.	1.0	15
24	Effect of shot peening on residual stress distribution and tribological behaviors of 17Cr2Ni2MoVNb steel. Surface and Coatings Technology, 2020, 386, 125497.	2.2	55
25	High temperature compressive properties and microstructure of WC-Ni3Al cermets prepared by spark plasma sintering. Vacuum, 2020, 175, 109281.	1.6	11
26	Ultrafine porous boron nitride nanofiberâ€ŧoughened WC composites. International Journal of Applied Ceramic Technology, 2020, 17, 941-948.	1.1	5
27	Study on Microstructure and Mechanical Properties of WC-10Ni3Al Cemented Carbide Prepared by Different Ball-Milling Suspension. Materials, 2019, 12, 2224.	1.3	9
28	Effects of wearable power assist device on low back fatigue during repetitive lifting tasks. Clinical Biomechanics, 2019, 70, 59-65.	0.5	24
29	The influence of ultrasonic surface rolling on the fatigue and wear properties of 23-8N engine valve steel. International Journal of Fatigue, 2019, 125, 299-313.	2.8	54
30	Optimization of Friction Welding Process Parameters for 42Cr9Si2 Hollow Head and Sodium Filled Engine Valve and Valve Performance Evaluation. Materials, 2019, 12, 1123.	1.3	3
31	Effect of ultrasonic surface rolling on microstructure and rolling contact fatigue behavior of 17Cr2Ni2MoVNb steel. Surface and Coatings Technology, 2019, 366, 321-330.	2.2	37
32	Microstructure and tribological properties of carburized 95W–3.5Ni–1.0Fe–0.5Co heavy alloy. Rare Metals, 2019, 38, 165-172.	3.6	6
33	Design and operation of a new multifunctional wear apparatus for engine valve train components. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 259-276.	1.0	4
34	Study on High Temperature Friction and Wear Characteristics of 4Cr9Si2 Valve Steel. Mechanisms and Machine Science, 2018, , 1535-1546.	0.3	1
35	Effect of Quenching Temperature on Microstructure and Rolling Contact Fatigue Behavior of 17Cr2Ni2MoVNb Steel. Metals, 2018, 8, 735.	1.0	12
36	Machining Performance of TiAlN-Coated Cemented Carbide Tools with Chip Groove in Machining Titanium Alloy Ti-6Al-0.6Cr-0.4Fe-0.4Si-0.01B. Metals, 2018, 8, 850.	1.0	13

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37	Effect of Tempering Temperatures on Tensile Properties and Rotary Bending Fatigue Behaviors of 17Cr2Ni2MoVNb Steel. Metals, 2018, 8, 507.	1.0	9
38	Effect of the Different High Volume Fraction of SiC Particles on the Junction of Bismuthate Glass-SiC <sub>p</sub> /Al Composite. Scanning, 2018, 2018, 1-10.	0.7	1
39	Preparation and Anodizing of SiCp/Al Composites with Relatively High Fraction of SiCp. Scanning, 2018, 2018, 1-13.	0.7	1
40	The wear and fatigue behaviours of hollow head & sodium filled engine valve. Tribology International, 2018, 128, 75-88.	3.0	12
41	Effect of Multi-Pass Ultrasonic Surface Rolling on the Mechanical and Fatigue Properties of HIP Ti-6Al-4V Alloy. Materials, 2017, 10, 133.	1.3	25
42	Surface modification layer of Ti–6Al–4V produced by surface rolling and thermal oxidation. Surface Innovations, 2017, 5, 232-242.	1.4	6
43	Wear behavior and mechanism of a sliding pair of 0. 1C-3Cr-2W-V nitrided steel rubbing against an aluminum bronze alloy. Journal of Iron and Steel Research International, 2016, 23, 281-288.	1.4	2
44	Comparison of TiAlâ€Based Intermetallics Joints Brazed with Amorphous and Crystalline Ti–Zr–Cu–Ni–Co–Mo Fillers. Advanced Engineering Materials, 2016, 18, 341-347.	1.6	9
45	Friction and Wear Behavior of 30CrMnSiA Steel at Elevated Temperatures. Journal of Materials Engineering and Performance, 2016, 25, 1407-1415.	1.2	21
46	Rolling contact fatigue property and failure mechanism of carburized 30CrSiMoVM steel at elevated temperature. Tribology International, 2016, 98, 144-154.	3.0	7
47	Examination of Electrical Conduction of Carbonyl Iron Powder Compacts. Materials Transactions, 2015, 56, 696-702.	0.4	4
48	Serrated Flow Behavior of Titaniumâ€Based Composites with Different In Situ TiC Contents. Advanced Engineering Materials, 2015, 17, 1383-1390.	1.6	4
49	Preparation of SiCp/Al composite–bismuthate glass material and its application in mirror blanks. RSC Advances, 2015, 5, 52167-52173.	1.7	7
50	The oxidation behavior of the WC–10wt.% Ni3Al composite fabricated by spark plasma sintering. Journal of Alloys and Compounds, 2015, 629, 148-154.	2.8	34
51	Effects of Alloy Composition on Microstructure and Mechanical Properties of Iron-Based Materials Fabricated by Ball Milling and Spark Plasma Sintering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 476-487.	1.1	3
52	Bulk TiB2-Based Ceramic Composites with Improved Mechanical Property Using Fe–Ni–Ti–Al as a Sintering Aid. Materials, 2014, 7, 7105-7117.	1.3	14
53	Microstructure and magnetic properties of anisotropic Nd–Fe–B magnets prepared by spark plasma sintering and hot deformation. Transactions of Nonferrous Metals Society of China, 2014, 24, 3142-3151.	1.7	13
54	New Developments of Ti-Based Alloys for Biomedical Applications. Materials, 2014, 7, 1709-1800.	1.3	756

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55	Sinter-hardening with concurrent improved plasticity in iron alloys induced by spark plasma sintering. Journal of Materials Research, 2014, 29, 981-988.	1.2	2
56	Effects of cutting parameters on dry cutting of aluminum bronze alloy. International Journal of Advanced Manufacturing Technology, 2014, 70, 669-678.	1.5	16
57	Machining performance of a grooved tool in dry machining Ti-6Al-4ÂV. International Journal of Advanced Manufacturing Technology, 2014, 73, 613-622.	1.5	17
58	Effect of Heating Rate on Densification and Grain Growth During Spark Plasma Sintering of 93W-5.6Ni-1.4Fe Heavy Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4323-4336.	1.1	23
59	Spark-Plasma Sintering of W-5.6Ni-1.4Fe Heavy Alloys: Densification and Grain Growth. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 923-933.	1.1	36
60	Effect of Minor Alloying Substitution on Glass-Forming Ability and Crystallization Behavior of a Ni <sub>57</sub> Zr <sub>22</sub> X <sub>8</sub> Nb <sub>8</sub> Al (X = Ti, Cu) Alloy Synthesized by Mechanical Alloying. Materials Transactions, 2013, 54, 1844-1850.	&ltjsub&g	t;5
61	Preparation and mechanical properties of WC-10 Ni3Al cemented carbides with plate-like triangular prismatic WC grains. Journal of Alloys and Compounds, 2012, 544, 134-140.	2.8	39
62	Effect of Pulsed Magnetic Field on Spark Plasma Sintering of Iron-Based Powders. Materials Transactions, 2010, 51, 1308-1312.	0.4	6
63	Modeling and simulation of the proportional valve control system for the turbocharger. , 2010, , .		0
64	Microstructure and Mechanical Properties of SPSed (Spark Plasma Sintered) Ti <sub>66</sub> Nb <sub>13</sub> Cu <sub>8</sub> Ni <sub>6.8</sub> Al <sub>6.2</sub> Bulk Alloys with and without WC Addition. Materials Transactions, 2009, 50, 1720-1724.	0.4	9
65	Effect of Shot Peening on Microstructures and Highâ€Temperature Tribological Properties of 4Cr9Si2 Valve Steel. Steel Research International, 0, , 2100250.	1.0	3