

Fatih Aydin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of carbonaceous reinforcements on microstructure and corrosion properties of magnesium matrix composites. <i>Materials Chemistry and Physics</i> , 2018, 218, 182-188.	4.0	66
2	The investigation of the effect of particle size on wear performance of AA7075/Al ₂ O ₃ composites using statistical analysis and different machine learning methods. <i>Advanced Powder Technology</i> , 2021, 32, 445-463.	4.1	54
3	Investigation of Microstructure, Mechanical and Wear Behaviour of B ₄ C Particulate Reinforced Magnesium Matrix Composites by Powder Metallurgy. <i>Transactions of the Indian Institute of Metals</i> , 2018, 71, 873-882.	1.5	48
4	Estimation of wear performance of AZ91 alloy under dry sliding conditions using machine learning methods. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 125-137.	4.2	46
5	Investigation of wear behaviour and microstructure of hot-pressed TiB ₂ particulate-reinforced magnesium matrix composites. <i>Canadian Metallurgical Quarterly</i> , 2018, 57, 455-469.	1.2	41
6	Residual stress measurement by strain gauge and X-ray diffraction method in different shaped rails. <i>Engineering Failure Analysis</i> , 2019, 96, 525-529.	4.0	41
7	Influence of TiC content on mechanical, wear and corrosion properties of hot-pressed AZ91/TiC composites. <i>Journal of Composite Materials</i> , 2020, 54, 141-152.	2.4	39
8	The Effect of TiB ₂ Content on Wear and Mechanical Behavior of AZ91 Magnesium Matrix Composites Produced by Powder Metallurgy. <i>Powder Metallurgy and Metal Ceramics</i> , 2019, 57, 564-572.	0.8	32
9	Influence of multi-wall carbon nanotube content on dry and corrosive wear performances of pure magnesium. <i>Journal of Composite Materials</i> , 2018, 52, 3127-3135.	2.4	31
10	Improved elevated temperature mechanical properties of graphene-reinforced pure aluminium matrix composites. <i>Materials Science and Technology</i> , 2020, 36, 1092-1103.	1.6	30
11	Wear resistance and tribological properties of GNPs and MWCNT reinforced AlSi18CuNiMg alloys produced by stir casting. <i>Tribology International</i> , 2021, 164, 107201.	5.9	28
12	Evolution of Microstructure, Residual Stress, and Tensile Properties of Mg-Zn-Y-La-Zr Magnesium Alloy Processed by Extrusion. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 1309-1319.	2.9	21
13	Influence of GNPs and B ₄ C reinforcements on mechanical, thermal and wear properties of magnesium matrix composite produced by powder metallurgy. <i>Journal of Composite Materials</i> , 2021, 55, 3881-3891.	2.4	21
14	The Effect of Boron Nitride on Tribological Behavior of Mg Matrix Composite at Room and Elevated Temperatures. <i>Journal of Tribology</i> , 2020, 142, .	1.9	21
15	The influence of low-cost eggshell on the wear and electrochemical corrosion behaviour of novel pure Mg matrix composites. <i>Materials Chemistry and Physics</i> , 2022, 277, 125520.	4.0	20
16	Role of graphene additive on wear and electrochemical corrosion behaviour of plasma electrolytic oxidation (PEO) coatings on Mg-MWCNT nanocomposite. <i>Surface Engineering</i> , 2020, 36, 791-799.	2.2	19
17	Investigation of Elevated Temperature Wear Behavior of Al 2024-BN Composites using Statistical Techniques. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8560-8578.	2.5	18
18	Wear and mechanical properties of carburized AISI 8620 steel produced by powder metallurgy. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 430-439.	4.9	16

#	ARTICLE	IF	CITATIONS
19	Microstructure and Wear of a Sintered Composite with a Magnesium Alloy AZ91 Matrix Reinforced with ZrO ₂ Particles. <i>Metal Science and Heat Treatment</i> , 2019, 61, 325-329.	0.6	11
20	Influence of graphene particles on the wear and corrosion performance of MAO produced AZ31 alloy. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 998-1008.	2.1	11
21	Wear and corrosion properties of low-cost eggshell-reinforced green AZ91 matrix composites. <i>Canadian Metallurgical Quarterly</i> , 2022, 61, 155-171.	1.2	11
22	Production of ZrO ₂ Reinforced AZ31 Matrix Composites via Powder Metallurgy. <i>Advanced Science, Engineering and Medicine</i> , 2019, 11, 471-474.	0.3	1