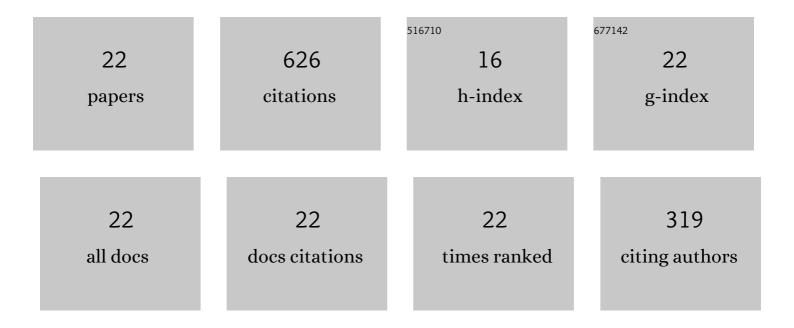
Fatih Aydin

List of Publications by Year in descending order

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Ελτιή Δυριν

#	Article	IF	CITATIONS
1	Effects of carbonaceous reinforcements on microstructure and corrosion properties of magnesium matrix composites. Materials Chemistry and Physics, 2018, 218, 182-188.	4.0	66
2	The investigation of the effect of particle size on wear performance of AA7075/Al2O3 composites using statistical analysis and different machine learning methods. Advanced Powder Technology, 2021, 32, 445-463.	4.1	54
3	Investigation of Microstructure, Mechanical and Wear Behaviour of B4C Particulate Reinforced Magnesium Matrix Composites by Powder Metallurgy. Transactions of the Indian Institute of Metals, 2018, 71, 873-882.	1.5	48
4	Estimation of wear performance of AZ91 alloy under dry sliding conditions using machine learning methods. Transactions of Nonferrous Metals Society of China, 2021, 31, 125-137.	4.2	46
5	Investigation of wear behaviour and microstructure of hot-pressed TiB ₂ particulate-reinforced magnesium matrix composites. Canadian Metallurgical Quarterly, 2018, 57, 455-469.	1.2	41
6	Residual stress measurement by strain gauge and X-ray diffraction method in different shaped rails. Engineering Failure Analysis, 2019, 96, 525-529.	4.0	41
7	Influence of TiC content on mechanical, wear and corrosion properties of hot-pressed AZ91/TiC composites. Journal of Composite Materials, 2020, 54, 141-152.	2.4	39
8	The Effect of TiB2 Content on Wear and Mechanical Behavior of AZ91 Magnesium Matrix Composites Produced by Powder Metallurgy. Powder Metallurgy and Metal Ceramics, 2019, 57, 564-572.	0.8	32
9	Influence of multi-wall carbon nanotube content on dry and corrosive wear performances of pure magnesium. Journal of Composite Materials, 2018, 52, 3127-3135.	2.4	31
10	Improved elevated temperature mechanical properties of graphene-reinforced pure aluminium matrix composites. Materials Science and Technology, 2020, 36, 1092-1103.	1.6	30
11	Wear resistance and tribological properties of GNPs and MWCNT reinforced AlSi18CuNiMg alloys produced by stir casting. Tribology International, 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. Acta Metallurgica Sinica (English Letters), 2019, 32, 1309-1319.	2.9	21
13	Influence of GNPs and B4C reinforcements on mechanical, thermal and wear properties of magnesium matrix composite produced by powder metallurgy. Journal of Composite Materials, 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. Journal of Tribology, 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. Materials Chemistry and Physics, 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. Surface Engineering, 2020, 36, 791-799.	2.2	19
17	Investigation of Elevated Temperature Wear Behavior of Al 2024-BN Composites using Statistical Techniques. Journal of Materials Engineering and Performance, 2021, 30, 8560-8578.	2.5	18
18	Wear and mechanical properties of carburized AISI 8620 steel produced by powder metallurgy. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 430-439.	4.9	16

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#	Article	IF	CITATIONS
19	Microstructure and Wear of a Sintered Composite with a Magnesium Alloy AZ91 Matrix Reinforced with ZrO2 Particles. Metal Science and Heat Treatment, 2019, 61, 325-329.	0.6	11
20	Influence of graphene particles on the wear and corrosion performance of MAO produced AZ31 alloy. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 998-1008.	2.1	11
21	Wear and corrosion properties of low-cost eggshell-reinforced green AZ91 matrix composites. Canadian Metallurgical Quarterly, 2022, 61, 155-171.	1.2	11
22	Production of ZrO2 Reinforced AZ31 Matrix Composites via Powder Metallurgy. Advanced Science, Engineering and Medicine, 2019, 11, 471-474.	0.3	1