

Bassiouny Saleh

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,133
citations

516710

16
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526287

27
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all docs

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docs citations

30
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in porous Mg-based foam preparation approaches: effect of processing parameters on structure and mechanical property. <i>Journal of Iron and Steel Research International</i> , 2022, 29, 371-402.	2.8	4
2	Past and present of functionally graded coatings: Advancements and future challenges. <i>Applied Materials Today</i> , 2022, 26, 101373.	4.3	25
3	Reactive sintering principle and compressive properties of porous AZ91 magnesium alloy foams produced by powder metallurgy approach. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2022, 53, 244-259.	0.9	1
4	Wear characteristics of functionally graded composites synthesized from magnesium chips waste. <i>Tribology International</i> , 2022, 174, 107692.	5.9	15
5	Influence of boride, oxide, and carbide ceramics as secondary reinforcement in T6-A333 functionally graded hybrid composites. <i>Ceramics International</i> , 2022, 48, 28528-28547.	4.8	10
6	Utilization of machining chips waste for production of functionally gradient magnesium matrix composites. <i>Journal of Materials Processing Technology</i> , 2022, 308, 117702.	6.3	13
7	Influence of gradient structure on wear characteristics of centrifugally cast functionally graded magnesium matrix composites for automotive applications. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	21
8	Discharge properties of ECAP processed AZ31 ^{1/4} Ca alloys as anodes for seawater-activated battery. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1031-1044.	5.8	15
9	Influence of Post-Weld Heat Treatment on Microstructure and Toughness Properties of 13MnNiMoR High Strength Low Alloy Steel Weld Joint. <i>Materials</i> , 2021, 14, 5336.	2.9	4
10	A critical review on functionally graded coatings: Methods, properties, and challenges. <i>Composites Part B: Engineering</i> , 2021, 225, 109278.	12.0	72
11	Statistical Analysis of Dry Sliding Wear Process Parameters for AZ91 Alloy Processed by RD-ECAP Using Response Surface Methodology. <i>Metals and Materials International</i> , 2021, 27, 2879-2897.	3.4	25
12	Review on the Influence of Different Reinforcements on the Microstructure and Wear Behavior of Functionally Graded Aluminum Matrix Composites by Centrifugal Casting. <i>Metals and Materials International</i> , 2020, 26, 933-960.	3.4	49
13	Enhancement of strength and ductility of SiCp/AZ91 composites by RD-ECAP processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138579.	5.6	38
14	Development of Functionally Graded Tubes Based on Pure Al/Al ₂ O ₃ Metal Matrix Composites Manufactured by Centrifugal Casting for Automotive Applications. <i>Metals and Materials International</i> , 2020, 26, 1430-1440.	3.4	46
15	Development of an Automatic Welding System for the Boiler Tube Walls Weld Overlay. <i>Metals</i> , 2020, 10, 1241.	2.3	3
16	30 Years of functionally graded materials: An overview of manufacturing methods, Applications and Future Challenges. <i>Composites Part B: Engineering</i> , 2020, 201, 108376.	12.0	329
17	A Critical Review of Nonlinear Damping Identification in Structural Dynamics: Methods, Applications, and Challenges. <i>Sensors</i> , 2020, 20, 7303.	3.8	24
18	Study of the microstructure and mechanical characteristics of AZ91 ^{1/4} SiCp composites fabricated by stir casting. <i>Archives of Civil and Mechanical Engineering</i> , 2020, 20, 1.	3.8	31

#	ARTICLE	IF	CITATIONS
19	Microstructure characterization and corrosion behavior of Mg-Y-Zn alloys with different long period stacking ordered structures. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 1208-1220.	11.9	40
20	Dry Sliding Wear Behavior of AZ91 Alloy Processed by Rotary-Die Equal Channel Angular Pressing. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 3961-3973.	2.5	8
21	Visualization of rainfall data using functional data analysis. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
22	Investigation on mechanical properties and wear performance of functionally graded AZ91-SiCp composites via centrifugal casting. <i>Materials Today Communications</i> , 2020, 24, 101169.	1.9	18
23	Controlling Corrosion Resistance of a Biodegradable Mg-Y-Zn Alloy with LPSO Phases via Multi-pass ECAP Process. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1180-1190.	2.9	18
24	Functionally graded materials classifications and development trends from industrial point of view. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	127
25	Enhancement of Mechanical Properties and Rolling Formability in AZ91 Alloy by RD-ECAP Processing. <i>Materials</i> , 2019, 12, 3503.	2.9	18
26	Effect of Main Parameters on the Mechanical and Wear Behaviour of Functionally Graded Materials by Centrifugal Casting: A Review. <i>Metals and Materials International</i> , 2019, 25, 1395-1409.	3.4	57
27	Characterization of functionally graded Al-SiC p metal matrix composites manufactured by centrifugal casting. <i>AEJ - Alexandria Engineering Journal</i> , 2017, 56, 371-381.	6.4	89
28	Empirical Model for Dry Sliding Wear Behaviour of Centrifugally Cast Functionally Graded Al/SiC_p Composite. <i>Key Engineering Materials</i> , 0, 786, 276-285.	0.4	22
29	Optimization of the Experimental Parameters Affecting the Corrosion Behavior for Mg-Y-Zn-Mn Alloy via Response Surface Methodology. <i>Metals and Materials International</i> , 0, , 1.	3.4	6
30	Study on purification of flake graphite by heat activation and hydrofluoric acid. <i>Advances in Materials and Processing Technologies</i> , 0, , 1-15.	1.4	0