Bassiouny Saleh

List of Publications by Year
in descending order

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30 papers	1,133 citations	516710 16 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	542 citing authors

#	Article	IF	Citations
1	30 Years of functionally graded materials: An overview of manufacturing methods, Applications and Future Challenges. Composites Part B: Engineering, 2020, 201, 108376.	12.0	329
2	Functionally graded materials classifications and development trends from industrial point of view. SN Applied Sciences, 2019, 1, 1.	2.9	127
3	Characterization of functionally graded Al-SiC p metal matrix composites manufactured by centrifugal casting. AEJ - Alexandria Engineering Journal, 2017, 56, 371-381.	6.4	89
4	A critical review on functionally graded coatings: Methods, properties, and challenges. Composites Part B: Engineering, 2021, 225, 109278.	12.0	72
5	Effect of Main Parameters on the Mechanical and Wear Behaviour of Functionally Graded Materials by Centrifugal Casting: A Review. Metals and Materials International, 2019, 25, 1395-1409.	3.4	57
6	Review on the Influence of Different Reinforcements on the Microstructure and Wear Behavior of Functionally Graded Aluminum Matrix Composites by Centrifugal Casting. Metals and Materials International, 2020, 26, 933-960.	3.4	49
7	Development of Functionally Graded Tubes Based on Pure Al/Al2O3 Metal Matrix Composites Manufactured by Centrifugal Casting for Automotive Applications. Metals and Materials International, 2020, 26, 1430-1440.	3.4	46
8	Microstructure characterization and corrosion behavior of Mgâ€“Yâ€“Zn alloys with different long period stacking ordered structures. Journal of Magnesium and Alloys, 2020, 8, 1208-1220.	11.9	40
9	Enhancement of strength and ductility of SiCp/AZ91 composites by RD-ECAP processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 771, 138579.	5.6	38
10	Study of the microstructure and mechanical characteristics of AZ91â€“SiCp composites fabricated by stir casting. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	31
11	Statistical Analysis of Dry Sliding Wear Process Parameters for AZ91 Alloy Processed by RD-ECAP Using Response Surface Methodology. Metals and Materials International, 2021, 27, 2879-2897.	3.4	25
12	Past and present of functionally graded coatings: Advancements and future challenges. Applied Materials Today, 2022, 26, 101373.	4.3	25
13	A Critical Review of Nonlinear Damping Identification in Structural Dynamics: Methods, Applications, and Challenges. Sensors, 2020, 20, 7303.	3.8	24
14	Empirical Model for Dry Sliding Wear Behaviour of Centrifugally Cast Functionally Graded Al/SiC_p Composite. Key Engineering Materials, 0, 786, 276-285.	0.4	22
15	Influence of gradient structure on wear characteristics of centrifugally cast functionally graded magnesium matrix composites for automotive applications. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	21
16	Enhancement of Mechanical Properties and Rolling Formability in AZ91 Alloy by RD-ECAP Processing. Materials, 2019, 12, 3503.	2.9	18
17	Investigation on mechanical properties and wear performance of functionally graded AZ91-SiCp composites via centrifugal casting. Materials Today Communications, 2020, 24, 101169.	1.9	18
18	Controlling Corrosion Resistance of a Biodegradable Mgâ€“Yâ€“Zn Alloy with LPSO Phases via Multi-pass ECAP Process. Acta Metallurgica Sinica (English Letters), 2020, 33, 1180-1190.	2.9	18

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19	Discharge properties of ECAP processed AZ31ï¼Ca alloys as anodes for seawater-activated battery. Journal of Materials Research and Technology, 2021, 11, 1031-1044.	5.8	15
20	Wear characteristics of functionally graded composites synthesized from magnesium chips waste. Tribology International, 2022, 174, 107692.	5.9	15
21	Utilization of machining chips waste for production of functionally gradient magnesium matrix composites. Journal of Materials Processing Technology, 2022, 308, 117702.	6.3	13
22	Influence of boride, oxide, and carbide ceramics as secondary reinforcement in T6-A333 functionally graded hybrid composites. Ceramics International, 2022, 48, 28528-28547.	4.8	10
23	Dry Sliding Wear Behavior of AZ91 Alloy Processed by Rotary-Die Equal Channel Angular Pressing. Journal of Materials Engineering and Performance, 2020, 29, 3961-3973.	2.5	8
24	Optimization of the Experimental Parameters Affecting the Corrosion Behavior for Mgâ€“Yâ€“Znâ€“Mn Alloy via Response Surface Methodology. Metals and Materials International, 0, , 1.	3.4	6
25	Visualization of rainfall data using functional data analysis. SN Applied Sciences, 2020, 2, 1.	2.9	5
26	Influence of Post-Weld Heat Treatment on Microstructure and Toughness Properties of 13MnNiMoR High Strength Low Alloy Steel Weld Joint. Materials, 2021, 14, 5336.	2.9	4
27	Recent progress in porous Mg-based foam preparation approaches: effect of processing parameters on structure and mechanical property. Journal of Iron and Steel Research International, 2022, 29, 371-402.	2.8	4
28	Development of an Automatic Welding System for the Boiler Tube Walls Weld Overlay. Metals, 2020, 10, 1241.	2.3	3
29	Reactive sintering principle and compressive properties of porous AZ91 magnesium alloy foams produced by powder metallurgy approach. Materialwissenschaft Und Werkstofftechnik, 2022, 53, 244-259.	0.9	1
30	Study on purification of flake graphite by heat activation and hydrofluoric acid. Advances in Materials and Processing Technologies, 0, , 1-15.	1.4	0