

kaveh Rahmani

List of Publications by Year in descending order

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24
papers

352
citations

687363

13
h-index

839539

18
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25
all docs

25
docs citations

25
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical characterization of Mg-B ₄ C nanocomposite fabricated at different strain rates. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 252-263.	4.9	28
2	The effect of particle size on microstructure, relative density and indentation load of Mg-B ₄ C composites fabricated at different loading rates. Journal of Composite Materials, 2020, 54, 2297-2311.	2.4	26
3	Mechanical and physical characterization of Mg-TiO ₂ and Mg-ZrO ₂ nanocomposites produced by hot-pressing. Materials Chemistry and Physics, 2020, 246, 122844.	4.0	25
4	Temperature effect on mechanical and tribological characterization of Mg-SiC nanocomposite fabricated by high rate compaction. Materials Research Express, 2018, 5, 015046.	1.6	24
5	The effect of Al ₂ O ₃ content on tribology and corrosion properties of Mg-Al ₂ O ₃ nanocomposites produced by single and double-action press. Materials Chemistry and Physics, 2020, 250, 123058.	4.0	23
6	On the effect of compaction velocity, size, and content of reinforcing particles on corrosion resistance of Mg-B ₄ C composites. Materials Chemistry and Physics, 2021, 271, 124946.	4.0	22
7	The effect of the double-action pressure on the physical, mechanical and tribology properties of Mg-WO ₃ nanocomposites. Journal of Materials Research and Technology, 2020, 9, 1104-1118.	5.8	21
8	Comprehensive study on quasi-static and dynamic mechanical properties and wear behavior of Mg-B ₄ C composite compacted at several loading rates through powder metallurgy. Transactions of Nonferrous Metals Society of China, 2021, 31, 371-381.	4.2	19
9	The effect of compaction loading rate on hardness and wear resistance of Mg-B ₄ C nanocomposite. Materials Research Express, 2019, 6, 125081.	1.6	17
10	Experimental study on mechanical and tribology behaviors of Mg-SiC nano/micro composite produced by friction stir process. Journal of Mechanical Science and Technology, 2021, 35, 1121-1127.	1.5	17
11	A novel approach for dynamic compaction of Mg-SiC nanocomposite powder using a modified Split Hopkinson Pressure Bar. Powder Metallurgy, 2018, 61, 164-177.	1.7	16
12	Determination of tensile behavior of hot-pressed Mg-TiO ₂ and Mg-ZrO ₂ nanocomposites using indentation test and a holistic inverse modeling technique. Journal of Materials Research and Technology, 2021, 14, 2107-2114.	5.8	15
13	The effect of cold and hot pressing on mechanical properties and tribological behavior of Mg-Al ₂ O ₃ nanocomposites. Materials Research Express, 2020, 7, 085012.	1.6	15
14	Experimental determining the mechanical and stiffness properties of natural rubber FRT triangle elastic joint composite reinforcement by glass fibers and micro/nano particles. Polymer Testing, 2020, 85, 106461.	4.8	14
15	Effect of glass, carbon, and kevlar fibers on mechanical properties for polymeric composite tubes produced by a unidirectional winding method. Materials Research Express, 2021, 8, 045301.	1.6	14
16	Simultaneous effects of strain rate and temperature on mechanical response of fabricated Mg-SiC nanocomposite. Journal of Composite Materials, 2020, 54, 659-668.	2.4	13
17	Investigation on the mechanical behavior of fiber-metal laminates based on polyvinyl chloride reinforced by 3D glass fibers. Materials Today Communications, 2020, 25, 101273.	1.9	10
18	A study on damage evolution in Cu-TiO ₂ composite fabricated using powder metallurgy followed by hot extrusion. Materials Chemistry and Physics, 2022, 290, 126140.	4.0	10

#	ARTICLE	IF	CITATIONS
19	Determination of length to diameter ratio of the bars in torsional Split Hopkinson bar. Measurement: Journal of the International Measurement Confederation, 2019, 143, 144-154.	5.0	6
20	Effects of Nano and Micro Size of MgO on Mechanical Properties, Wear, and Corrosion of Magnesium Matrix Composite. Strength of Materials, 2021, 53, 983-997.	0.5	6
21	The experimental investigation of hardness and wear behaviors of inner surface of the resin tubes reinforced by fibers. Results in Engineering, 2021, 11, 100273.	5.1	5
22	The experimental analysis of creep and corrosion properties of polymeric tube reinforced by glass, carbon and Kevlar fibers. Materials Research Express, 2021, 8, 065307.	1.6	3
23	Experimental study of the effect of temperature and velocity in channel forming of polyvinyl chloride composite reinforced by 3D-fiberglass with an aluminum middle layer. SN Applied Sciences, 2022, 4, 1.	2.9	2
24	Thermal Properties of Mg-B4C Micro and Nanocomposites Fabricated by Static and Dynamic Compaction Methods. Transactions of the Indian Institute of Metals, 2022, 75, 2139-2148.	1.5	1