

Syed Fida Hassan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2734619/publications.pdf>

Version: 2024-02-01

36
papers

276
citations

933447

10
h-index

996975

15
g-index

36
all docs

36
docs citations

36
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Properties of Spark Plasma Sintered Aluminum Containing 1 wt.% SiC Nanoparticles. <i>Metals</i> , 2015, 5, 70-83.	2.3	33
2	Matrix Structure Evolution and Nanoreinforcement Distribution in Mechanically Milled and Spark Plasma Sintered Al-SiC Nanocomposites. <i>Materials</i> , 2014, 7, 6748-6767.	2.9	27
3	Investigation on the Controlled Degradation and Invitro Mineralization of Carbon Nanotube Reinforced AZ31 Nanocomposite in Simulated Body Fluid. <i>Metals and Materials International</i> , 2019, 25, 105-116.	3.4	22
4	Recent Advances and Future Prospects in Spark Plasma Sintered Alumina Hybrid Nanocomposites. <i>Nanomaterials</i> , 2019, 9, 1607.	4.1	20
5	Electrochemical Corrosion and In vitro Biocompatibility Performance of AZ31Mg/Al ₂ O ₃ Nanocomposite in Simulated Body Fluid. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 3419-3428.	2.5	19
6	Study of Wear Mechanisms of a Novel Magnesium Based Hybrid Nanocomposite. <i>Journal of Tribology</i> , 2015, 137, .	1.9	13
7	Failure Analysis of Gearbox and Clutch Shaft from a Marine Engine. <i>Journal of Failure Analysis and Prevention</i> , 2010, 10, 393-398.	0.9	12
8	Metal Matrix Composite in Heat Sink Application: Reinforcement, Processing, and Properties. <i>Materials</i> , 2021, 14, 6257.	2.9	11
9	Effect of Carbon Nanotube on High-Temperature Formability of AZ31 Magnesium Alloy. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2984-2991.	2.5	10
10	Magnesium nanocomposite: Effect of melt dispersion of different oxides nano particles. <i>Journal of Materials Research</i> , 2016, 31, 100-108.	2.6	10
11	Development of tensile-compressive asymmetry free magnesium based composite using TiO ₂ nanoparticles dispersion. <i>Journal of Materials Research</i> , 2018, 33, 130-137.	2.6	10
12	Effect of increasingly metallized hybrid reinforcement on the wear mechanisms of magnesium nanocomposite. <i>Bulletin of Materials Science</i> , 2016, 39, 1101-1107.	1.7	9
13	Energy Dissipation Studies of Mg-based Nanocomposites Using an Innovative Circle-fit Approach. <i>Journal of Composite Materials</i> , 2004, 38, 2037-2047.	2.4	7
14	Development of Gradient Concentrated Single-Phase Fine Mg-Zn Particles and Effect on Structure and Mechanical Properties. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2019, 141, .	1.4	7
15	Heterogeneous Microstructure of Low-Carbon Microalloyed Steel and Mechanical Properties. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 7045-7051.	2.5	7
16	Extraordinary Strengthening of Magnesium by Solid-State Diffusion of Copper in Mg-0.5Cu Alloy. <i>Jom</i> , 2020, 72, 1597-1606.	1.9	7
17	Selective Enhancement of Tensile/Compressive Strength and Ductility of AZ31 Magnesium Alloy via Nano-Al ₂ O ₃ Reinforcement Integration Method Alteration. <i>Materials Science Forum</i> , 0, 618-619, 423-427.	0.3	5
18	Magnesium nanocomposite: increasing copperisation effect on high temperature tensile properties. <i>Powder Metallurgy</i> , 2016, 59, 66-72.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Tribological evaluations of spark plasma sintered Mg-Ni composite. Tribology - Materials, Surfaces and Interfaces, 2022, 16, 110-118.	1.4	5
20	Hydrogen induced premature failure of massive cast medium carbon steel anchor fluke. Materials & Design, 2010, 31, 956-964.	5.1	4
21	Effect of hybrid reinforcement on the high temperature tensile behavior of magnesium nanocomposite. International Journal of Materials Research, 2015, 106, 1298-1302.	0.3	4
22	Micro-Engineering the Stressed Macro-Interface and Enhancing the Performance of Mg/Al Bimetal Macrocomposites. Materials Science Forum, 2009, 618-619, 221-225.	0.3	3
23	Cement particle induced failure of cold potable water copper plumbing. Engineering Failure Analysis, 2011, 18, 505-509.	4.0	3
24	Study of comparative effectiveness of thermally stable nanoparticles on high temperature deformability of wrought AZ31 alloy. Journal of Materials Research, 2014, 29, 1264-1269.	2.6	3
25	Effect of copper nano particles on high temperature tensile behavior of Mg-Y ₂ O ₃ nanocomposite. Metals and Materials International, 2015, 21, 588-592.	3.4	3
26	Effect of Copper Nanoparticle on the High-Temperature Tensile Behavior of a Mg-Y ₂ O ₃ Nanocomposite. Arabian Journal for Science and Engineering, 2018, 43, 4803-4810.	3.0	3
27	Effect of powder processing on microstructure and mechanical properties of a high-entropy Al _{24.2} Si _{3.2} Cu _{24.2} Ti _{24.2} Ni _{24.2} alloy. Philosophical Magazine Letters, 2020, 100, 171-180.	1.2	3
28	Mg ₆ Zn _{0.4} Ca _{0.5} Cu alloy: Physically blended microalloyed lightweight alloy with significantly high strength and ductility. Journal of Alloys and Compounds, 2019, 787, 1015-1022.	5.5	2
29	Microstructure and mechanical properties of nickel particle reinforced magnesium composite: impact of reinforcement introduction method. International Journal of Materials Research, 2017, 108, 185-191.	0.3	2
30	Ultrahigh strength ductile microalloyed steel with a very low yield ratio developed by quenching and partitioning heat treatment. Scientific Reports, 2022, 12, 7949.	3.3	2
31	Formability of Ti-29Nb-13Ta-4.6Zr Biomaterial at High Temperatures. Key Engineering Materials, 2010, 443, 620-625.	0.4	1
32	Processing, microstructure and mechanical properties of a TiO ₂ nanoparticles reinforced magnesium for biocompatible application. Metallurgical Research and Technology, 2017, 114, 214.	0.7	1
33	Designing heterogeneous microstructured superior strength-ductility magnesium by blend-press-sinter powder metallurgy process. International Journal of Advanced Manufacturing Technology, 2021, 117, 1547-1555.	3.0	1
34	Effect of TiO ₂ nanoparticles on the microstructure evolution and crystallographic texture in magnesium. Materialpruefung/Materials Testing, 2017, 59, 1014-1018.	2.2	1
35	Metallurgical failure analysis of an exploded CO ₂ gas cylinder. Materialpruefung/Materials Testing, 2020, 62, 1085-1088.	2.2	1
36	Corrosion Behavior of Spark Plasma Sintered Alumina and Al ₂ O ₃ -SiC-CNT Hybrid Nanocomposite. Materials Research, 2020, 23, .	1.3	0