

Mahesh Kumar Talari

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

544
citations

759055

12
h-index

713332

21
g-index

51
all docs

51
docs citations

51
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Microstructure, Weld Heat Input, and Mechanical Properties of Mg-Al-Zn Alloy GTA Weldments. Applied Sciences (Switzerland), 2022, 12, 4417.	1.3	1
2	Optical properties of xSrO-(90-x)B ₂ O ₃ -2CeO ₂ -8Al ₂ O ₃ glasses. Materials Today: Proceedings, 2022, 66, 4045-4050.	0.9	1
3	Microstructural and wear investigation of high chromium white cast iron hardfacing alloys deposited on carbon steel. Journal of Alloys and Compounds, 2021, 857, 157472.	2.8	33
4	Microstructure and Mechanical Properties of Dissimilar Friction Welding Ti-6Al-4V Alloy to Nitinol. Metals, 2021, 11, 109.	1.0	12
5	Characterisation of Microstructure and Mechanical Properties of Linear Friction Welded Ti Titanium Alloy to Nitinol. Applied Sciences (Switzerland), 2021, 11, 10680.	1.3	2
6	Grain refinement of Ti-15V-3Cr-3Sn-3Al metastable β titanium alloy welds using boron-modified fillers. Journal of Alloys and Compounds, 2018, 749, 320-328.	2.8	19
7	Grain Refinement, Microstructural and Hardness Investigation of C Added Ti-15-3 Alloys Prepared by Argon Arc Melting. Transactions of the Indian Institute of Metals, 2017, 70, 861-865.	0.7	5
8	Anomalous Optical Properties of xSrO-10PbO-(90-x)B ₂ O ₃ Glass System. Transactions of the Indian Institute of Metals, 2017, 70, 557-565.	0.7	11
9	Microstructure and Mechanical Properties of Ti-15-3 Alloy Gas Tungsten Arc Welds Prepared Using CP-Titanium Filler. Transactions of the Indian Institute of Metals, 2017, 70, 685-690.	0.7	6
10	Microstructure and High Temperature Impression Creep Properties of Mg-3Ca-xZr (x=0.3, 0.6, 0.9 wt%) Alloys. Transactions of the Indian Institute of Metals, 2017, 70, 649-654.	0.7	3
11	Effect of Mo on the High-Temperature Creep Resistance and Machinability of a Recycled Al-Alloy with High Iron Impurity. Journal of Materials Engineering and Performance, 2016, 25, 4310-4316.	1.2	7
12	Microstructure, Mechanical, and Impression Creep Properties of Al ₂ O ₃ Nanocomposites. Advanced Engineering Materials, 2016, 18, 1958-1966.	1.6	8
13	Microstructure and mechanical properties investigation of in situ TiB ₂ and ZrB ₂ reinforced Al-4Cu composites. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012120.	0.3	2
14	Anomalous elastic behaviour of xSrO-10PbO-(90-x)B ₂ O ₃ glass system. Journal of Non-Crystalline Solids, 2016, 444, 55-63.	1.5	32
15	Characterization of microstructure and mechanical properties of friction stir welded AlMg5- Al ₂ O ₃ nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 109-122.	2.6	21
16	An Evaluation of Microstructure and Hardness Properties of Zr Added FeNiAlCoCr High Entropy Alloys. Materials Science Forum, 2016, 846, 20-26.	0.3	5
17	Wear Properties of Metal Matrix Composite Al-Cu and Al-Cu-TiB ₂ . Materials Science Forum, 2015, 819, 268-273.	0.3	2
18	Bioactivity evaluation of titanium/hydroxyapatite composite coating on stainless steel prepared by thermal spraying. AIP Conference Proceedings, 2015, , .	0.3	0

#	ARTICLE	IF	CITATIONS
19	Arc Welding. , 2015, , 593-615.		0
20	Effect of Zr Addition on Microstructure and Properties of FeCrNiMnCoZr _x and Al _{0.5} FeCrNiMnCoZr _x High Entropy Alloys. Transactions of the Indian Institute of Metals, 2013, 66, 305-308.	0.7	10
21	Microstructure and Hardness Properties Investigation of Ti and Nb Added FeNiAlCuCrTi _x Nb _y High Entropy Alloys. Transactions of the Indian Institute of Metals, 2013, 66, 309-312.	0.7	12
22	Effect of V ₂ O ₅ TeO ₂ Glass Addition on Dielectric Properties of CaCu ₃ Ti ₄ O ₁₂ Ceramics Prepared by Solid State Method. Transactions of the Indian Institute of Metals, 2013, 66, 325-328.	0.7	4
23	Microstructural and Mechanical Properties Investigation of TiC Reinforced Hardface Alloy Deposited on Mild Steel Substrate. Transactions of the Indian Institute of Metals, 2013, 66, 433-436.	0.7	8
24	High-temperature mechanical properties investigation of Al-6.5Å% Cu gas tungsten arc welds made with scandium modified 2319 filler. International Journal of Advanced Manufacturing Technology, 2013, 65, 1757-1767.	1.5	5
25	Microstructure Evolution and Mechanical Properties Investigation of Al-6 %Cu Alloy Laser and GTA Welds. Praktische Metallographie/Practical Metallography, 2013, 50, 656-676.	0.1	2
26	Effect of Diluents on Crystallite Size and Electronic Band Gap of ZnO Nanoparticles Synthesized by Mechanochemical Processing. Advanced Materials Research, 2012, 626, 786-790.	0.3	1
27	Synthesis and structural characterization of nano-hydroxyapatite biomaterials prepared by microwave processing. , 2012, , .		2
28	Effect of titaniumâ€“boron additions on grain refinement of AA 2219 gas tungsten arc welds. Science and Technology of Welding and Joining, 2012, 17, 386-393.	1.5	16
29	Optical properties of Zinc doped tin oxide synthesized by mechanochemical processing. , 2012, , .		0
30	Synthesis, Characterization and Antimicrobial Investigation of Mechanochemically Processed Silver Doped ZnO Nanoparticles. Chemical and Pharmaceutical Bulletin, 2012, 60, 818-824.	0.6	29
31	Effect of (Ba _{0.6} Sr _{0.4})TiO ₃ (BST) Doping on Dielectric Properties of CaCu ₃ Ti ₄ O ₁₂ (CCTO). Journal of Materials Science and Technology, 2012, 28, 1137-1144.	5.6	38
32	Microstructural characterization and grain refinement of AA6082 gas tungsten arc welds by scandium modified fillers. Materials Chemistry and Physics, 2012, 137, 543-551.	2.0	28
33	Conductometric Study of Nimesulide in Aqueous Solutions of Hydrotropic Agents at Different Temperatures. E-Journal of Chemistry, 2012, 9, 21-26.	0.4	7
34	Influence of titaniumâ€“boron additions on grain refinement of AA6082 gas tungsten arc welds. Materials & Design, 2012, 40, 467-475.	5.1	20
35	Effect of Mn Doping on Structural and Optical Properties of SnO ₂ Nanoparticles Prepared by Mechanochemical Processing. Physics Procedia, 2012, 25, 233-239.	1.2	53
36	Emission properties of Mn doped ZnO nanoparticles prepared by mechanochemical processing. Journal of Luminescence, 2012, 132, 1735-1739.	1.5	67

#	ARTICLE	IF	CITATIONS
37	Microstructure and mechanical properties of Al-Si cast alloy grain refined with Ti-B-Sr-Sc-Mg. , 2011, , .		5
38	Effect of titanium addition on mechanical properties of hydroxyapatite - Titanium nanocomposite. , 2011, , .		1
39	Double metalâ€“insulator peaks and effect of Sm ³⁺ substitution on magnetic and transport properties of hole-doped La _{0.85} Ag _{0.15} MnO ₃ . Journal of Magnetism and Magnetic Materials, 2011, 323, 2179-2185.	1.0	38
40	Structural and optical properties of Zn _{1-x} Mn _x O nanoparticles prepared by mechanochemical synthesis. Materials Research Innovations, 2011, 15, s123-s126.	1.0	3
41	Studies on structural and magnetic properties of ball milled Nd ₂ Fe ₁₄ B intermetallic powders. Materials Research Innovations, 2011, 15, s26-s29.	1.0	2
42	Effect of Aluminium Doping on Structural and Optical Properties of ZnO Nanoparticles Prepared by Mechanochemical Synthesis. , 2011, , .		2
43	Structural and Optical Properties: Mn Doped Nano ZnO Synthesized by Mechanochemical Synthesis. , 2010, , .		4
44	Effect of Milling Time on Properties of Mechanochemically Synthesized Nano ZnO. , 2010, , .		2
45	Magnetic Force Microscopy Investigation of Magnetic Domains in Nd ₂ Fe ₁₄ B. , 2010, , .		0
46	Study of Sintering Temperature for Nano-Hydroxyapatite with Addition of Titanium. Advanced Materials Research, 0, 538-541, 2392-2395.	0.3	4
47	Effect of Sintering Temperature on Dielectric Properties of CaCu ₃ Ti ₄ O ₁₂ Ceramics Prepared by Mechanochemical Process. Advanced Materials Research, 0, 974, 157-161.	0.3	0
48	Characterization of Thermal Sprayed Titanium/Hydroxyapatite Composite Coating on Stainless Steel. Advanced Materials Research, 0, 974, 152-156.	0.3	3
49	Effect of Ta Addition on Microstructure and Hardness of FeCrNiMnCoTa _x and Al _{0.5} FeCrNiMnCoTa _x High-Entropy Alloys. Materials Science Forum, 0, 846, 13-19.	0.3	8