

Praveennath G Koppad

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,588
citations

279701

23
h-index

315616

38
g-index

54
all docs

54
docs citations

54
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Microstructure and Mechanical Properties of Cast Al-10Zn-3.5Mg-2.5Cu Nanocomposite Reinforced with Graphene Nano Sheets Produced by Ultrasonic Assisted Stir Casting. International Journal of Metalcasting, 2023, 17, 935-946.	1.5	14
2	Effect of carbon nanotubes on microhardness and adhesion strength of high-velocity oxy-fuel sprayed NiCr ₃ C ₂ coatings. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 86-96.	0.7	4
3	Effect of surface treatment on wetting behavior of copper. Materials Today: Proceedings, 2021, 35, 295-297.	0.9	4
4	Porous network ZrO ₂ /ZnFe ₂ O ₄ nanocomposite with heterojunction towards industrial water purification under sunlight: Enhanced charge separation and elucidation of photo-mechanism. Ceramics International, 2021, 47, 14845-14861.	2.3	17
5	Al/Graphene/CNT hybrid composites: Hardness and sliding wear studies. FME Transactions, 2021, 49, 414-421.	0.7	19
6	Editorial preface: A special issue on International Conference on Advances in Materials, Ceramics & Engineering Sciences (AMCES-2020). Materials Today: Proceedings, 2021, 46, A1.	0.9	0
7	Mechanical Characterization of PC-ABS Reinforced with CNT Nanocomposites developed by Fused Deposition Modelling. Journal of Physics: Conference Series, 2020, 1455, 012003.	0.3	11
8	Studying the effect of different carbon and glass fabric stacking sequence on mechanical properties of epoxy hybrid composite laminates. Composites Communications, 2020, 21, 100425.	3.3	30
9	The effect of heat treatment on the mechanical and tribological properties of dual size SiC reinforced A357 matrix composites. Journal of Materials Research and Technology, 2020, 9, 6434-6452.	2.6	49
10	Effect of multiple reinforcements (CNT/Si ₃ N ₄) on hardness, electrical conductivity and friction coefficient of aluminium hybrid composites. Journal of Physics: Conference Series, 2020, 1455, 012011.	0.3	6
11	Nanohardness and wear behavior of Copper-SiC-CNTs nanocomposites. FME Transactions, 2020, 48, 688-692.	0.7	14
12	Influence of Al ₂ O ₃ nanoparticles on thermal performance of closed loop pulsating heat pipe. FME Transactions, 2020, 48, 143-148.	0.7	4
13	Morphology Studies on Mechanically Milled Aluminium Reinforced with B ₄ C and CNTs. Silicon, 2019, 11, 1089-1098.	1.8	15
14	Application of Taguchi's method to study the effect of processing parameters of Al ₆ O ₈ /B ₄ C/Al ₂ SiO ₅ hybrid composites on mechanical properties. Materials Research Express, 2019, 6, 1065a1.	0.8	14
15	Thermal behavior of PC-ABS based graphene filled polymer nanocomposite synthesized by FDM process. Composites Communications, 2019, 15, 129-134.	3.3	80
16	Improving the friction and wear characteristics of AZ31 alloy with the addition of Al ₂ O ₃ nanoparticles. Materials Research Express, 2019, 6, 126505.	0.8	10
17	Microstructure, mechanical and wear properties of the A357 composites reinforced with dual sized SiC particles. Journal of Alloys and Compounds, 2019, 786, 570-580.	2.8	81
18	Microstructure and tribological characteristics of APS sprayed NiCrBSi/flyash cenosphere/Cr ₂ O ₃ and NiCrBSi/flyash cenosphere/Mo composite coatings at elevated temperatures. Materials Research Express, 2019, 6, 086451.	0.8	16

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19	Hot corrosion behaviour of HVOF sprayed Ni ₃ Ti and Ni ₃ Ti + (Cr ₃ C ₂ + 20NiCr) coatings in presence of Na ₂ SO ₄ -40%V ₂ O ₅ at 650 °C. Surface Topography: Metrology and Properties, 2019, 7, 025019.	0.9	11
20	Study on mechanical properties of alkali treated plain woven banana fabric reinforced biodegradable composites. Composites Communications, 2019, 13, 47-51.	3.3	87
21	HVOF sprayed Inconel 718/cubic boron nitride composite coatings: microstructure, microhardness and slurry erosive behaviour. Materials Research Express, 2019, 6, 126518.	0.8	17
22	Automatic pressure calibration system for pressure sensors. FME Transactions, 2019, 47, 111-115.	0.7	2
23	Effects of Extrusion and Heat Treatment Conditions on Microstructure and Mechanical Properties of an Al-Zn-Mg-Cu-Er Alloy. Minerals, Metals and Materials Series, 2018, , 451-459.	0.3	2
24	HVOF sprayed Ni ₃ Ti and Ni ₃ Ti+(Cr ₃ C ₂ +20NiCr) coatings: Microstructure, microhardness and oxidation behaviour. Journal of Alloys and Compounds, 2018, 736, 236-245.	2.8	42
25	Characterization of graphene reinforced Al-Sn nanocomposite produced by mechanical alloying and vacuum hot pressing. Materials Today: Proceedings, 2018, 5, 24505-24514.	0.9	19
26	Influence of hot rolling on microstructure and mechanical behaviour of Al ₆₀₆₁ -ZrB ₂ in-situ metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 344-352.	2.6	50
27	Effect of hot extrusion and T6 heat treatment on microstructure and mechanical properties of Al-10Zn-3.5Mg-2.5Cu nanocomposite reinforced with graphene nanoplatelets. Journal of Manufacturing Processes, 2018, 36, 264-271.	2.8	32
28	Microstructure and Adhesion Strength of Ni ₃ Ti Coating Prepared by Mechanical Alloying and HVOF. Physics of Metals and Metallography, 2018, 119, 462-468.	0.3	21
29	Friction and wear characteristics of copper nanocomposites reinforced with uncoated and nickel coated carbon nanotubes. Materials Research Express, 2018, 5, 095607.	0.8	14
30	Microstructure and mechanical behaviour of in situ fabricated AA6061-TiC metal matrix composites. Archives of Civil and Mechanical Engineering, 2017, 17, 535-544.	1.9	80
31	Mechanical Properties of Aluminium-Graphene Composite Synthesized by Powder Metallurgy and Hot Extrusion. Transactions of the Indian Institute of Metals, 2017, 70, 605-613.	0.7	55
32	Influence of TiO ₂ nanoparticles incorporation to friction stir welded 5083 aluminum alloy on the microstructure, mechanical properties and wear resistance. Journal of Alloys and Compounds, 2017, 712, 795-803.	2.8	103
33	Mechanical and thermal properties of AA7075/TiO ₂ /Fly ash hybrid composites obtained by hot forging. Progress in Natural Science: Materials International, 2017, 27, 474-481.	1.8	71
34	Nanoindentation and wear behaviour of copper based hybrid composites reinforced with SiC and MWCNTs synthesized by spark plasma sintering. Vacuum, 2017, 145, 320-333.	1.6	48
35	Effect of multi-pass friction stir processing on the microstructure, mechanical and wear properties of AA5083/ZrO ₂ nanocomposites. Journal of Alloys and Compounds, 2017, 726, 1262-1273.	2.8	108
36	Microstructure and Microhardness of Carbon Nanotube-Silicon Carbide/Copper Hybrid Nanocomposite Developed by Powder Metallurgy. Indian Journal of Science and Technology, 2016, 9, .	0.5	9

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37	Effect of carbon nanotube and silicon carbide on microstructure and dry sliding wear behavior of copper hybrid nanocomposites. Transactions of Nonferrous Metals Society of China, 2016, 26, 3170-3182.	1.7	45
38	Microstructure and dry sliding wear behavior of Cu-Sn alloy reinforced with multiwalled carbon nanotubes. Transactions of Nonferrous Metals Society of China, 2016, 26, 1755-1764.	1.7	34
39	Influence of Multiwalled Carbon Nanotubes on the Aging Behavior of AA 6061 Alloy Matrix Nanocomposites. Transactions of the Indian Institute of Metals, 2014, 67, 325-329.	0.7	12
40	On shear-lag and thermal mismatch model in multiwalled carbon nanotube/copper matrix nanocomposites. Journal of Alloys and Compounds, 2013, 549, 82-87.	2.8	49
41	Role of particle stimulated nucleation in recrystallization of hot extruded Al 6061/SiCp composites. Transactions of Nonferrous Metals Society of China, 2013, 23, 53-58.	1.7	44
42	On thermal and electrical properties of multiwalled carbon nanotubes/copper matrix nanocomposites. Journal of Alloys and Compounds, 2013, 580, 527-532.	2.8	59
43	Nanoindentation studies on MWCNT/aluminum alloy 6061 nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 920-923.	2.6	27
44	Microstructure and microhardness of carbon nanotube reinforced copper nanocomposites. Materials Science and Technology, 2013, 29, 605-609.	0.8	28
45	Tribological Behaviour of Hot Extruded Al6061-Si3N4 Composite. , 2013, , .		2
46	Ageing Kinetics in Carbon Nanotube Reinforced Aluminium Alloy AA6063. Materials Science Forum, 2012, 710, 780-785.	0.3	14
47	On Peierls Nabarro stress in Iron. Computational Materials Science, 2012, 56, 172-173.	1.4	23
48	Elastic modulus of multiwalled carbon nanotubes reinforced aluminium matrix nanocomposite – A theoretical approach. Computational Materials Science, 2011, 50, 2493-2495.	1.4	41
49	Small-angle scattering from GP zones in Al-Cu alloy. Bulletin of Materials Science, 2011, 34, 1455-1458.	0.8	11
50	Abrasive wear behavior of Ni–P coated Si3N4 reinforced Al6061 composites. Journal of Materials Processing Technology, 2011, 211, 1423-1431.	3.1	26