Dilip Peshwe

List of Publications by Year
in descending order

57	974	430874 18	477307 29
papers	citations	h-index	g-index

57	57	57	1034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of Silica Activity Index and XRD, SEM and EDS Studies of Amorphous SiO2 Extracted from Rice Husk Ash. Transactions of the Indian Institute of Metals, 2012, 65, 63-70.	1.5	91
2	Effect of uncoated calcium carbonate and stearic acid coated calcium carbonate on mechanical, thermal and structural properties of poly(butylene terephthalate) (PBT)/calcium carbonate composites. Bulletin of Materials Science, 2010, 33, 277-284.	1.7	63
3	Effect of normalizing and tempering temperatures on microstructure and mechanical properties of P92 steel. International Journal of Pressure Vessels and Piping, 2015, 132-133, 97-105.	2.6	63
4	Nonisothermal crystallization kinetics and melting behavior of poly(butylene terephthalate) (PBT) composites based on different types of functional fillers. Thermochimica Acta, 2014, 581, 41-53.	2.7	60
5	A study on effect of mineral additions on the mechanical, thermal, and structural properties of poly(butylene terephthalate) (PBT) composites. Journal of Polymer Research, 2011, 18, 1081-1090.	2.4	51
6	Graphene from discharged dry cell battery electrodes. Journal of Hazardous Materials, 2019, 366, 358-369.	12.4	45
7	Thermodynamic prediction of bulk metallic glass forming alloys in ternary Zrâ€“Cuâ€“X (X=Ag, Al, Ti, Ga) systems. Journal of Non-Crystalline Solids, 2011, 357, 3495-3499.	3.1	36
8	Structural and Photoluminescence properties of nepheline-structure NaAlSiO4:Dy3+ nanophosphors. Journal of Alloys and Compounds, 2014, 609, 100-106.	5.5	34
9	Nonisothermal crystallization kinetics and melting behavior of poly(butylene terephthalate) and calcium carbonate nanocomposites. Thermochimica Acta, 2015, 606, 66-76.	2.7	34
10	Fatigue life of a carbon fiber composite T-joint under a standard fighter aircraft spectrum load sequence. Composite Structures, 2015, 127, 260-266.	5.8	31
11	Theoretical prediction of interfacial properties of PBT/CNT nanocomposites and its experimental evaluation. Mechanics of Materials, 2017, 109, 11-17.	3.2	30
12	Synthesis of nanostructured Alâ€“Mgâ€“SiO2 metal matrix composites using high-energy ball milling and spark plasma sintering. Journal of Alloys and Compounds, 2012, 536, S35-S40.	5.5	28
13	Deep Subzero Processing of Metals and Alloys: Evolution of Microstructure of AISI T42 Tool Steel. Materials and Manufacturing Processes, 2009, 24, 718-722.	4.7	26
14	Effect of Cryogenic Processing on Surface Roughness of Age Hardenable AA6061 Alloy. Materials and Manufacturing Processes, 2014, 29, 710-714.	4.7	25
15	Evaluation of mechanical and thermal properties of Poly (butylene terephthalate) (PBT) composites reinforced with wollastonite. Transactions of the Indian Institute of Metals, 2011, 64, 127-132.	1.5	24
16	Effect of aluminum nanoparticles on rheological behavior of HTPB-based composite rocket propellant. Journal of Energetic Materials, 2019, 37, 125-140.	2.0	24
17	The Effect of Cutting Speed and Depth of Cut on Surface Roughness During Machining of Austempered Ductile Iron. Transactions of the Indian Institute of Metals, 2015, 68, 99-108.	1.5	23
18	Effect of the Cryogenic Treatment on Polyamide and Optimization of Its Parameters for the Enhancement of Wear Performance. Transactions of the Indian Institute of Metals, 2012, 65, 313-319.	1.5	19

#	Article	IF	Citations
19	Effect of tempering temperature on the stress rupture properties of Grade 92 steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 431-438.	5.6	19
20	Tribological Behaviour of Multi-Walled Carbon Nanotubes (MWCNT) Filled Polybutylene Terephthalate (PBT) Nanocomposites. Transactions of the Indian Institute of Metals, 2017, 70, 801-807.	1.5	19
21	Investigation on mechanical properties of P92 steel using ball indentation technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 624, 92-101.	5.6	17
22	Impact modification of a PETâ€“PBT blend using different impact modifiers. Polymer Journal, 2011, 43, 801-808.	2.7	15
23	Microstructure Evolution During Short Term Creep of 9Crâ€“0.5Moâ€“1.8W Steel. Transactions of the Indian Institute of Metals, 2015, 68, 259-266.	1.5	15
24	Effect of functionalized elastomer addition on mechanical and interfacial properties of poly (butylene terephthalate)/glass fiber composites. Polymer Composites, 2012, 33, 58-67.	4.6	14
25	Effect of ply-drop on fatigue life of a carbon fiber composite under a fighter aircraft spectrum load sequence. Composites Part B: Engineering, 2016, 86, 120-125.	12.0	14
26	FTIR and TGA Analysis in Relation with the % Crystallinity of the SiO₂ Obtained by Burning Rice Husk at Various Temperatures. Advanced Materials Research, 0, 585, 77-81.	0.3	13
27	Investigation of structural, morphological and dynamic mechanical properties of PANI filled Nylon 11. Current Applied Physics, 2007, 7, 590-595.	2.4	10
28	Creep Properties Assessment of P92 Steel by Small Punch Creep Tests. Transactions of the Indian Institute of Metals, 2016, 69, 907-915.	1.5	10
29	Effect of Ca2+ and Sr2+ alkaline earth ions on luminescence properties of BaAl12O19:Eu nanophosphor. Journal of Luminescence, 2009, 129, 691-695.	3.1	9
30	Structural and luminescence characteristics of Sr3Al8SiO17:Eu2+nanophosphor. Journal of Alloys and Compounds, 2013, 578, 389-393.	5.5	9
31	A Study on the Effect of Tempering Temperature on Tensile Properties of P92 Steel by Automated Ball Indentation Technique. Procedia Engineering, 2014, 86, 910-918.	1.2	9
32	Optical property investigations of polystyrene capped Ca2P2O7:Dy3+ persistent phosphor. Materials Research Bulletin, 2015, 70, 980-987.	5.2	9
33	Influence of cobalt on the cryogenically treated W-Mo-V high speed steel. AIP Conference Proceedings, 2012, , .	0.4	8
34	Optimization of Cryo-treatment Parameters for PTFE by Quantum-Chemical Approach and Its Evaluation Through Mechanical, Thermal and Structural Characterization. Transactions of the Indian Institute of Metals, 2012, 65, 365-373.	1.5	8
35	New Eu activated ZnMgAl10O17 nanophosphor. Journal of Alloys and Compounds, 2009, 475, 343-346.	5.5	7
36	Mechanical, thermal, and structural characterization of poly(ethylene terephthalate) and poly(butylene terephthalate) blend systems by the addition of postconsumer poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td	2.6	

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37	Synthesis and Characterization of Alâ€“Mgâ€“SiO2 Particulate Composite Using Amorphous SiO2 from Rice Husk Ash. Transactions of the Indian Institute of Metals, 2011, 64, 575-581.	1.5	6
38	Effect of Notch on Creep Behavior of 316L(N) SS. Procedia Engineering, 2013, 55, 517-525.	1.2	6
39	Influence of normalizing and tempering temperatures on the creep properties of P92 steel. High Temperature Materials and Processes, 2020, 39, 178-188.	1.4	6
40	To Investigate the Wear Mechanism on Cryogenic Treatment of PTFE-Mica Filled Composite Coatings in Cookware. Transactions of the Indian Institute of Metals, 2015, 68, 611-621.	1.5	5
41	On the Mechanism of the Effect of the Cryogenic Treatment on High Speed Steels. Advanced Materials Research, 0, 383-390, 7138-7142.	0.3	4
42	Failure Analysis of Bed Coil Tube in an Atmospheric Fluidized Bed Combustion Boiler. Transactions of the Indian Institute of Metals, 2014, 67, 437-442.	1.5	4
43	Impact of metal filler on the dielectric properties of Nylon 11. Journal of Materials Science, 2007, 42, 7324-7330.	3.7	3
44	Effect of cold rolling and mode of annealing on textures, mechanical properties and formability limit diagrams in interstitial free steel sheets. Transactions of the Indian Institute of Metals, 2010, 63, 867-880.	1.5	3
45	Construction of constant fatigue life diagram for a carbon fiber composite. Transactions of the Indian Institute of Metals, 2011, 64, 301-303.	1.5	3
46	Study and Evaluation on Effect of Ultra-Violet (UV) Radiation on the Structural and Mechanical Properties of Talc filled Polypropylene Co-polymer (TFPP). Transactions of the Indian Institute of Metals, 2013, 66, 273-280.	1.5	3
47	Effect of Notch on Creep Behavior of 316L(N) SS Weld Joint. Procedia Engineering, 2013, 55, 526-533.	1.2	3
48	Structural, morphological, and dynamic mechanical properties of Zn-filled Nylon 11. Journal of Applied Polymer Science, 2007, 103, 3094-3098.	2.6	2
49	Texture and Formability of One-Step and Two-Step Cold-Rolled and Annealed Interstitial Free High-Strength Steel Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1692-1708.	2.2	2
50	On electrical resistivity of AISI D2 steel during various stages of cryogenic treatment. , 2012, , .		2
51	Finite Element Analysis of Deformation Due to Ball Indentation and Evaluation of Tensile Properties of Tempered P92 Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3448-3459.	2.2	2
52	On the Presence of Eta Carbide in the Cryogenically Treated High Speed Steel. Advanced Materials Research, 2012, 602-604, 356-359.	0.3	1
53	Piezoelectricity in PANI filled Nylon 11. Proceedings of SPIE, 2007, , .	0.8	0
54	Effect of two step cold rolling â€" continuous annealing on micro-structures, textures and mechanical properties in IF and IF-HS steel sheets. Transactions of the Indian Institute of Metals, 2010, 63, 21-30.	1.5	0

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55	Luminescence properties of Eu2+-activated Ca0.13Sr0.87Al2Si2O8: A bluish green phosphor for solid state lighting. Transactions of the Indian Institute of Metals, 2011, 64, 213-215.	1.5	0
56	Stress Rupture Properties of 316L(N) Stainless Steel under the Influence of Multiaxiality at Various Stress Levels. Procedia Engineering, 2013, 55, 548-552.	1.2	0
57	Effect of Multiaxiality on the Creep Rupture Properties of 316L(N) SS. Procedia Engineering, 2013, 55, 474-480.	1.2	0