

Manjeet Singh Goyat

List of Publications by Year in descending order

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45
papers

1,218
citations

471371

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377752

34
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46
all docs

46
docs citations

46
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on fundamentals, constraints and fabrication techniques of superhydrophobic coatings. Progress in Organic Coatings, 2020, 142, 105557.	1.9	187
2	Innovative application of ultrasonic mixing to produce homogeneously mixed nanoparticulate-epoxy composite of improved physical properties. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1421-1431.	3.8	99
3	Influence of Fe doping on nanostructures and photoluminescence of sol-gel derived ZnO. Materials Chemistry and Physics, 2009, 114, 194-198.	2.0	98
4	Facile fabrication of epoxy-TiO ₂ nanocomposites: A critical analysis of TiO ₂ impact on mechanical properties and toughening mechanisms. Ultrasonics Sonochemistry, 2018, 40, 861-873.	3.8	86
5	Influence of nanoparticle weight fraction on morphology and thermal properties of epoxy/TiO ₂ nanocomposite. Journal of Reinforced Plastics and Composites, 2012, 31, 1180-1188.	1.6	69
6	Recent progress in nano-oxides and CNTs based corrosion resistant superhydrophobic coatings: A critical review. Progress in Organic Coatings, 2020, 140, 105512.	1.9	58
7	Synthesis of nano-textured polystyrene/ZnO coatings with excellent transparency and superhydrophobicity. Materials Chemistry and Physics, 2017, 193, 447-452.	2.0	56
8	Role of non-functionalized oxide nanoparticles on mechanical properties and toughening mechanisms of epoxy nanocomposites. Ceramics International, 2021, 47, 22316-22344.	2.3	45
9	Influence of ultrasonic dual mode mixing on morphology and mechanical properties of ZrO ₂ -epoxy nanocomposite. High Performance Polymers, 2012, 24, 331-341.	0.8	43
10	Ultrasonic dual mode mixing and its effect on tensile properties of SiO ₂ -epoxy nanocomposite. Journal of Adhesion Science and Technology, 2013, 27, 111-124.	1.4	43
11	Thermomechanical response and toughening mechanisms of a carbon nano bead reinforced epoxy composite. Materials Chemistry and Physics, 2015, 166, 144-152.	2.0	37
12	A facile approach to develop modified nano-silica embedded polystyrene based transparent superhydrophobic coating. Materials Letters, 2018, 233, 340-343.	1.3	32
13	Impact of ultrasonic assisted triangular lattice like arranged dispersion of nanoparticles on physical and mechanical properties of epoxy-TiO ₂ nanocomposites. Ultrasonics Sonochemistry, 2018, 42, 141-154.	3.8	31
14	Effect of epoxy resin and hardener containing microcapsules on healing efficiency of epoxy adhesive based metal joints. Materials Chemistry and Physics, 2016, 171, 267-275.	2.0	30
15	Study on Thermal and Lap Shear Characteristics of Epoxy Adhesive Loaded with Metallic and Non-Metallic Particles. Journal of Adhesion, 2013, 89, 55-75.	1.8	24
16	Amending the thermo-mechanical response and mechanical properties of epoxy composites with silanized chopped carbon fibers. Composites Part A: Applied Science and Manufacturing, 2017, 102, 347-356.	3.8	24
17	Graphitic nanoparticles functionalized with epoxy moiety for enhancing the mechanical performance of hybrid carbon fiber reinforced polymer laminated composites. Polymer Composites, 2021, 42, 678-692.	2.3	20
18	Morphological, structural, and thermophysical properties of zirconium dioxide-epoxy nanocomposites. High Performance Polymers, 2016, 28, 697-708.	0.8	17

#	ARTICLE	IF	CITATIONS
19	Phase modulation in nanocrystalline vanadium di-oxide (VO ₂) nanostructures using citric acid via one pot hydrothermal method. <i>Ceramics International</i> , 2019, 45, 18452-18461.	2.3	17
20	Influence of dual-component microcapsules on self-healing efficiency and performance of metal-epoxy composite-lap joints. <i>Journal of Adhesion</i> , 2017, 93, 949-963.	1.8	16
21	Superior mechanical properties of poly vinyl alcohol-assisted ZnO nanoparticle reinforced epoxy composites. <i>Materials Chemistry and Physics</i> , 2017, 192, 198-209.	2.0	16
22	Assessing damage mitigation by silanized milled graphite nanoparticles in hybrid GFRP laminated composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 132, 105784.	3.8	16
23	Structural and optical properties of Cu incorporated ZnFe ₂ O ₄ ferrite nanoparticles prepared by wet chemical route. <i>Materials Chemistry and Physics</i> , 2018, 212, 292-297.	2.0	14
24	Broadband multi-resonant circular dichroism in metal-VO ₂ hybrid dagger-like plasmonic structure for switching application. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2019, 37, 100735.	1.0	14
25	Influence of ultrasonic dual mode mixing on the morphology, molecular structure and thermo-physical properties of a SiO ₂ -epoxy nanocomposite adhesive. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2590-2604.	1.4	12
26	Superior thermomechanical and wetting properties of ultrasonic dual mode mixing assisted epoxy-CNT nanocomposites. <i>High Performance Polymers</i> , 2019, 31, 32-42.	0.8	12
27	Estimation of surface roughness for transparent superhydrophobic coating through image processing and machine learning. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 726, 90-104.	0.4	11
28	Impact of silanized milled graphite nanoparticles on thermo-mechanical properties of epoxy nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 278, 125601.	2.0	10
29	Synthesis of Polymer Nano-composite coatings as corrosion inhibitors: A quick review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 983, 012016.	0.3	8
30	Epoxy/imidazole functionalized silica epoxy nanocomposites: Mechanical and fracture behaviour. <i>EXPRESS Polymer Letters</i> , 2021, 15, 203-223.	1.1	8
31	Single-pot hydrothermal derived TiO ₂ /SBA-16 cubic mesoporous nanocomposite for humidity sensing. <i>Journal of Materials Science</i> , 2022, 57, 3441-3451.	1.7	8
32	Morphological dissimilarities of ZnO nanoparticles and its effect on thermo-physical behavior of epoxy composites. <i>Polymer Composites</i> , 2018, 39, 135-145.	2.3	7
33	Influence of SiC thin films thickness on the electrical properties of Pd/SiC thin films for hydrogen gas sensor. <i>Vacuum</i> , 2020, 182, 109750.	1.6	7
34	Physical and Mechanical Properties of Epoxy-Nanoparticulate Composite Adhesive. <i>Advanced Materials Research</i> , 0, 585, 297-300.	0.3	6
35	A review on the effect of oxide nanoparticles, carbon nanotubes, and their hybrid structure on the toughening of epoxy nanocomposites. <i>Journal of Materials Science</i> , 0, , .	1.7	6
36	Structural and magnetic properties of pulsed laser deposited Fe-SiC thin films. <i>Thin Solid Films</i> , 2015, 579, 64-67.	0.8	5

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37	Improved mechanical performance and unique toughening mechanisms of <sc>UDM</sc> processed <sc>epoxyâ€SiO₂</sc> nanocomposites. Polymer Composites, 2021, 42, 6000-6009.	2.3	5
38	Influence of functionalized mesoporous silica in controlling azathioprine drug release and cytotoxicity properties. Materials Research Innovations, 2017, 21, 413-425.	1.0	4
39	Parametric influence towards size reduction of poly(methylmethacrylate) shelled microcapsule with epoxy core. Materials Today: Proceedings, 2018, 5, 2295-2299.	0.9	4
40	Development of Polystyrene/SiO ₂ Superhydrophobic Coating on Metal Substrates for Corrosion Protection. Springer Proceedings in Energy, 2018, , 25-29.	0.2	4
41	Tuning the structural, morphological, optical, wetting properties and anti-fungal activity of ZnO nanoparticles by C doping. Nano Structures Nano Objects, 2019, 19, 100365.	1.9	4
42	Influence of Al and Al-Cu dual doping on structural, optical, wetting and anti-fungal properties of ZnO nanoparticles. Materials Research Innovations, 2020, 24, 385-394.	1.0	4
43	Development of Environment Friendly Superhydrophobic Polystyrene/SiO ₂ Coatings via Sol-gel Route. Springer Proceedings in Energy, 2018, , 19-24.	0.2	1
44	Synthesis of Silver Nano Particles on Sol-Gel Base and Its Effect Against Water Purification. Springer Proceedings in Energy, 2018, , 187-191.	0.2	0
45	Structural and Optical Properties of Zn _{1-x} CoxS Nanoparticles Prepared by Solvothermal Technique. Springer Proceedings in Energy, 2018, , 147-151.	0.2	0