

Duraibabu D Dhanapal

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

532
citations

840776

11
h-index

713466

21
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24
docs citations

24
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on mechanical, thermal and dynamic mechanical properties of untreated (raw) and treated coconut sheath fiber reinforced epoxy composites. <i>Materials & Design</i> , 2014, 59, 63-69.	5.1	152
2	Unique coating formulation for corrosion and microbial prevention of mild steel. <i>Progress in Organic Coatings</i> , 2014, 77, 657-664.	3.9	60
3	Biogenic nanosilver incorporated reverse osmosis membrane for antibacterial and antifungal activities against selected pathogenic strains: An enhanced eco-friendly water disinfection approach. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1125-1133.	1.7	41
4	A Review on Sulfonated Polymer Composite/Organic-Inorganic Hybrid Membranes to Address Methanol Barrier Issue for Methanol Fuel Cells. <i>Nanomaterials</i> , 2019, 9, 668.	4.1	38
5	Highly responsive glutathione functionalized green AuNP probe for precise colorimetric detection of Cd ²⁺ contamination in the environment. <i>RSC Advances</i> , 2015, 5, 69124-69133.	3.6	37
6	Green Nanosilver as Reinforcing Eco-Friendly Additive to Epoxy Coating for Augmented Anticorrosive and Antimicrobial Behavior. <i>Silicon</i> , 2016, 8, 277-298.	3.3	35
7	Studies on mechanical, thermal and dynamic mechanical properties of functionalized nanoalumina reinforced sulphone ether linked tetraglycidyl epoxy nanocomposites. <i>RSC Advances</i> , 2014, 4, 40132-40140.	3.6	31
8	“Green” biocompatible organic-inorganic hybrid electrospun nanofibers for potential biomedical applications. <i>Journal of Biomaterials Applications</i> , 2015, 29, 1039-1055.	2.4	30
9	Role of POSS as Coupling Agent for DGEBA/GF Reinforced Nanocomposites. <i>Silicon</i> , 2018, 10, 537-546.	3.3	21
10	Twin Applications of Tetra-Functional Epoxy Monomers for Anticorrosion and Antifouling Studies. <i>Silicon</i> , 2018, 10, 555-565.	3.3	18
11	Studies on Silicon Containing Nano-hybrid Epoxy Coatings for the Protection of Corrosion and Bio-Fouling on Mild Steel. <i>Silicon</i> , 2017, 9, 447-458.	3.3	13
12	Development and characterization of novel organic-inorganic hybrid sol-gel films. <i>High Performance Polymers</i> , 2014, 26, 725-733.	1.8	8
13	A comparative study on modified epoxy and glycidyl carbamate coatings for corrosion and fouling prevention. <i>Surface Innovations</i> , 2015, 3, 127-139.	2.3	7
14	A first MMT reinforced nanocomposite functionalized with ether linkage derived from tetraglycidyl/diglycidyl epoxy building block. <i>Progress in Organic Coatings</i> , 2017, 104, 135-140.	3.9	7
15	Tetraglycidyl Epoxy Reinforced with Surface Functionalized Mullite Fiber for Substantial Enhancement in Thermal and Mechanical Properties of Epoxy Nanocomposites. <i>Silicon</i> , 2018, 10, 585-594.	3.3	7
16	Imparting Potential Antibacterial and Antifungal Activities to Water Based Interior Paint Using Nanoparticles of Silver as an Additive—An Ecofriendly Approach. <i>Advanced Science, Engineering and Medicine</i> , 2014, 6, 676-682.	0.3	7
17	Development and characterization of tetraglycidyl epoxy reinforced inorganic hybrid nanomaterials for high performance applications. <i>High Performance Polymers</i> , 2016, 28, 773-783.	1.8	5
18	Development and characterization of a novel skeletal modified tetraglycidyl epoxy toughened DGEBA epoxy matrices. <i>Polymer Science - Series A</i> , 2014, 56, 480-487.	1.0	4

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19	Development of Environmentally Acceptable Nano-Hybrid Coatings for Bio-Fouling Protection. <i>Advanced Materials Research</i> , 0, 938, 269-274.	0.3	3
20	Synthesis and Characterization of New Ether Linked Tetraglycidyl Epoxy Silicate Nanocomposites. <i>Silicon</i> , 2019, 11, 2211-2221.	3.3	3
21	Influence on organic inorganic hybrid (mullite) fibre on mechanical, thermo-mechanical and morphological properties of TGDDM epoxy nanocomposites. <i>Materials Research Innovations</i> , 2022, 26, 144-151.	2.3	3
22	Studies on Biocide Encapsulated Zeolite-epoxy Nano Hybrid Coatings on Mild Steel. <i>Current Bionanotechnology</i> , 2015, 1, 37-50.	0.6	2
23	Skeletally Modified Polyamide Flame Retardant Coatings. <i>Open Access Library Journal (oalib)</i> , 2014, 01, 1-7.	0.2	0
24	Enhancing the Thermal and Mechanical Properties of Organic-Inorganic Hybrid Nanocomposite Films Based on Poly Lactic Acid/OMMT Nano Clay. <i>Journal of Coating Science and Technology</i> , 2018, 4, 59-65.	0.3	0