

Nandika DSouza

List of Publications by Year in descending order

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51
papers

1,115
citations

471509

17
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

1506
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of supercritical CO ₂ on salt water corrosion and wear resistance of bismaleimide coating filled with organophilic montmorillonite clay. Journal of Adhesion Science and Technology, 2021, 35, 2301-2318.	2.6	2
2	Low-Cost Reliable Corrosion Sensors Using ZnO-PVDF Nanocomposite Textiles. Sensors, 2021, 21, 4147.	3.8	4
3	Electrospun Fe ₃ O ₄ -PVDF Nanofiber Composite Mats for Cryogenic Magnetic Sensor Applications. Textiles, 2021, 1, 227-238.	4.1	18
4	Carbon Capture Utilization for Biopolymer Foam Manufacture: Thermal, Mechanical and Acoustic Performance of PCL/PHBV CO ₂ Foams. Polymers, 2021, 13, 2559.	4.5	3
5	Multi-Fold Enhancement in Compressive Properties of Polystyrene Foam Using Pre-delaminated Stearate Functionalized Layer Double Hydroxides. Polymers, 2020, 12, 8.	4.5	9
6	Compostable, fully biobased foams using PLA and micro cellulose for zero energy buildings. Scientific Reports, 2020, 10, 17771.	3.3	24
7	Experimental and computational investigation of PVDF/BaTiO ₃ interface for impact sensing and energy harvesting applications. SN Applied Sciences, 2020, 2, 1.	2.9	3
8	Embedded Corrosion Sensing with ZnO-PVDF Sensor Textiles. Sensors, 2020, 20, 3053.	3.8	9
9	Bioinspired cellular sheath-core electrospun non-woven mesh. Emergent Materials, 2019, 2, 127-140.	5.7	4
10	Metal Matrix Composite Coatings of Cupronickel Embedded with Nanoplatelets for Improved Corrosion Resistant Properties. International Journal of Corrosion, 2018, 2018, 1-11.	1.1	13
11	Reliability of High-Voltage Molding Compounds: Particle Size, Curing Time, Sample Thickness, and Voltage Impact on Polarization. IEEE Transactions on Industrial Electronics, 2016, 63, 7104-7111.	7.9	5
12	Superior plant based carbon fibers from electrospun poly-(caffeyl alcohol) lignin. Carbon, 2016, 103, 372-383.	10.3	56
13	Rigid polyurethane and kenaf core composite foams. Polymer Engineering and Science, 2015, 55, 132-144.	3.1	12
14	Dynamic mechanical analysis, surface chemistry and morphology of alkali and enzymatic retted kenaf fibers. Textile Reseach Journal, 2015, 85, 2059-2070.	2.2	21
15	Effect of kenaf fiber age on PLLA composite properties. Polymer Composites, 2014, 35, 915-924.	4.6	6
16	Osteoconductive bio-based meshes based on Poly(hydroxybutyrate-co-hydroxyvalerate) and poly(butylene adipate-co-terephthalate) blends. Materials Science and Engineering C, 2014, 38, 315-324.	7.3	14
17	Treatment with Coated Layer Double Hydroxide Clays Decreases the Toxicity of Copper-Contaminated Water. Archives of Environmental Contamination and Toxicology, 2014, 66, 549-556.	4.1	2
18	Salt water corrosion resistance of electrodeposited Ni-layered silicate nanocomposite coatings from Watts' type solution. Surface and Coatings Technology, 2014, 242, 170-176.	4.8	13

#	ARTICLE	IF	CITATIONS
19	Effects of chemical versus enzymatic processing of kenaf fibers on poly(hydroxybutyrate-co-valerate)/poly(butylene adipate-co-terephthalate) composite properties. Composites Part B: Engineering, 2014, 56, 926-933.	12.0	19
20	Layer double hydroxides for enhanced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) crystallization. Journal of Applied Polymer Science, 2013, 127, 3395-3406.	2.6	6
21	Circuits, Systems, and Technologies for Detecting the Onset of Sudden Cardiac Death Through EKG Analysis. IEEE Circuits and Systems Magazine, 2013, 13, 10-25.	2.3	4
22	Influence of Bath Composition at Acidic pH on Electrodeposition of Nickel-Layered Silicate Nanocomposites for Corrosion Protection. International Journal of Electrochemistry, 2013, 2013, 1-8.	2.4	14
23	Mechanical and electrical multifunctional poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-multiwall carbon nanotube nanocomposites. Polymer Engineering and Science, 2012, 52, 1367-1374.	3.1	53
24	Polymer nanocomposites for improved drug delivery efficiency. Materials Chemistry and Physics, 2012, 132, 409-415.	4.0	47
25	Maleated amorphous ethylene propylene compatibilized polyethylene nanocomposites: Room temperature nonlinear creep response. Polymer Engineering and Science, 2010, 50, 1620-1632.	3.1	6
26	Separating stress and time dependent effects in the temperature dependent creep of polyethylene nanocomposites. Polymer Engineering and Science, 2010, 50, 1646-1657.	3.1	4
27	Ethylene maleated amorphous propylene compatibilized polyethylene nanocomposites: Stress and temperature effects on nonlinear creep. Polymer Engineering and Science, 2010, 50, 1633-1645.	3.1	8
28	Resistive-conductive transitions in the time-dependent piezoresponse of PVDF-MWCNT nanocomposites. Polymer Journal, 2010, 42, 567-574.	2.7	14
29	Time dependent piezoresistive behavior of polyvinylidene fluoride/carbon nanotube conductive composite. Materials Letters, 2009, 63, 1771-1773.	2.6	29
30	Crystallization, mechanical, and rheological behavior of polyvinylidene fluoride/carbon nanofiber composites. Journal of Applied Polymer Science, 2009, 112, 254-260.	2.6	54
31	Benefits of low kenaf loading in biobased composites of poly(L-lactide) and kenaf fiber. Journal of Applied Polymer Science, 2009, 112, 1294-1301.	2.6	22
32	Poly(L-lactic acid) nanocomposites with layered double hydroxides functionalized with ibuprofen. Journal of Applied Polymer Science, 2009, 113, 1905-1915.	2.6	56
33	Poly[(3-hydroxybutyrate-co-3-hydroxyvalerate)]/layered double hydroxide nanocomposites. Polymer International, 2009, 58, 133-141.	3.1	53
34	Water soluble levan polysaccharide biopolymer electrospun fibers. Carbohydrate Polymers, 2009, 78, 794-798.	10.2	41
35	Electrosynthesis of nanocrystalline cerium oxide/layered silicate powders. Journal of Materials Chemistry, 2006, 16, 481-488.	6.7	35
36	The effect of Zn, Al layered double hydroxide on thermal decomposition of poly(vinyl chloride). Polymer Degradation and Stability, 2006, 91, 3237-3244.	5.8	69

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37	Maleated and non-maleated polyethylene-montmorillonite layered silicate blown films: creep, dispersion and crystallinity. <i>Polymer</i> , 2005, 46, 7323-7333.	3.8	120
38	Surfactant concentration effects on amorphous PETG-montmorillonite layered silicate (MLS) nanocomposite films. <i>Polymer International</i> , 2005, 54, 875-881.	3.1	14
39	Mechanical properties of glass fiber composites with an epoxy resin modified by a liquid crystalline epoxy. <i>Polymer Composites</i> , 2002, 23, 564-573.	4.6	9
40	Exfoliated and intercalated polyamide-imide nanocomposites with montmorillonite. <i>Polymer</i> , 2002, 43, 3759-3766.	3.8	109
41	Effects of glass fibers and polypropylene/glass fiber hybrid fibers on the kinetics and mechanical properties of epoxy composites. <i>Polymer Composites</i> , 2001, 22, 32-41.	4.6	3
42	Thermally stimulated depolarization currents in poly (ethyleneterephthalate-ran-p-hydroxybenzoates). <i>Polymer Engineering and Science</i> , 2001, 41, 962-970.	3.1	1
43	Modification of cement mortar with recycled ABS. <i>Cement and Concrete Research</i> , 2001, 31, 1003-1007.	11.0	30
44	Thermal expansivity and thermal conductivity of amorphous thermoplastic polyimide and polymer liquid crystal blends. <i>Polymer Engineering and Science</i> , 2000, 40, 490-498.	3.1	10
45	Thermally Stimulated Depolarization Current. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2000, 45, 277-306.	3.4	3
46	Cowoven polypropylene/glass composites with polypropylene + polymer liquid crystal interlayers: Dynamic mechanical and thermal analysis. <i>Polymer Composites</i> , 1998, 19, 107-115.	4.6	9
47	Semicrystalline thermoplastic polyimide + polymer liquid crystal blends: Nonisothermal calorimetry and thermogravimetry. <i>Polymer Engineering and Science</i> , 1998, 38, 204-212.	3.1	7
48	Evaluation of Potential Printed Wiring Board Materials: Thermoplastic Polyimide + Polymer Liquid Crystal Blends. <i>Materials Research Society Symposia Proceedings</i> , 1998, 515, 125.	0.1	0
49	Preface. <i>International forum on polymers: Status report 1996</i> . <i>Polymer Engineering and Science</i> , 1997, 37, 925-927.	3.1	1
50	Preface. <i>International forum on polymers-1995: Part II</i> . <i>Polymer Engineering and Science</i> , 1996, 36, 1029-1031.	3.1	3
51	Nonisothermal thermophysical evaluation of a polypropylene + ethylene propylene diene (EPDM) blend. <i>Polymer Engineering and Science</i> , 1996, 36, 1101-1106.	3.1	8