

Vengatesan Muthukumaraswamy Rang

List of Publications by Year in descending order

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28
papers

1,050
citations

361413

20
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	SBA-15 filled polybenzoxazine nanocomposites for low-k dielectric applications. Journal of Materials Chemistry, 2012, 22, 7559.	6.7	118
2	Hierarchical elasticity of bimesogenic liquid crystals with twist-bend nematic phase. Applied Physics Letters, 2015, 106, .	3.3	78
3	Natural antioxidants-based edible active food packaging: An overview of current advancements. Food Bioscience, 2021, 43, 101251.	4.4	70
4	Synthesis and characterization of bisphenol-A ether diamine-based polyimide POSS nanocomposites for low K dielectric and flame-retardant applications. High Performance Polymers, 2012, 24, 85-96.	1.8	59
5	Effect of date fruit waste extract as an antioxidant additive on the properties of active gelatin films. Food Chemistry, 2021, 355, 129631.	8.2	55
6	Metal Organic Framework " Based Mixed Matrix Membranes for Carbon Dioxide Separation: Recent Advances and Future Directions. Frontiers in Chemistry, 2020, 8, 534.	3.6	54
7	Studies on thermal and dielectric properties of organo clay and octakis (dimethylsiloxypropylglycidylether) silsesquioxane filled polybenzoxazine hybrid nanocomposites. Polymer Composites, 2011, 32, 1701-1711.	4.6	47
8	Ag-Cu bimetallic nanoparticle decorated graphene nanocomposite as an effective anode material for hybrid capacitive deionization (HCDI) system. Electrochimica Acta, 2019, 297, 1052-1062.	5.2	46
9	Studies on thermal and dielectric properties of ether linked cyclohexyl diamine (ELCD)-based polyimide POSS nanocomposites (POSS-PI). High Performance Polymers, 2011, 23, 99-111.	1.8	45
10	The effect of UV radiation on polybenzoxazine/epoxy/OG-POSS nanocomposites. RSC Advances, 2014, 4, 8238.	3.6	43
11	Low surface free energy cyanate ester"silica hybrid (CE"SiO ₂) nanomaterials for low k dielectric applications. RSC Advances, 2013, 3, 12915.	3.6	42
12	Mesoporous silica reinforced cyanate ester nanocomposites for low k dielectric applications. Microporous and Mesoporous Materials, 2013, 179, 157-164.	4.4	40
13	Studies on thermal and dielectric properties of Octa (maleimido phenyl) silsesquioxane (OMPS) - polybenzoxazine (PBZ) hybrid nanocomposites. High Performance Polymers, 2011, 23, 441-456.	1.8	37
14	Polybenzoxazine"silica (PBZ"SiO ₂) hybrid nanocomposites through in situ sol"gel method. Journal of Sol-Gel Science and Technology, 2011, 60, 33-40.	2.4	37
15	High dielectric multiwalled carbon nanotube-polybenzoxazine nanocomposites for printed circuit board applications. Applied Physics Letters, 2013, 103, .	3.3	37
16	Effect of Graphene on Polypropylene/Maleic Anhydride- <i>graft</i> -Ethylene"Vinyl Acetate (PP/EVA- <i>g</i> -MA) Blend: Mechanical, Thermal, Morphological, and Rheological Properties. Industrial & Engineering Chemistry Research, 2018, 57, 7834-7845.	3.7	31
17	In situ sol"gel synthesis of silica reinforced polybenzoxazine hybrid materials with low surface free energy. RSC Advances, 2014, 4, 8446.	3.6	30
18	Ag-doped sepiolite intercalated graphene nanostructure for hybrid capacitive deionization system. Separation and Purification Technology, 2019, 229, 115799.	7.9	29

#	ARTICLE	IF	CITATIONS
19	Ultrasound-assisted synthesis of benzoxazine monomers: thermal and mechanical properties of polybenzoxazines. <i>Polymer International</i> , 2013, 62, 127-133.	3.1	28
20	Tamarind shell derived N-doped carbon for capacitive deionization (CDI) studies. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113307.	3.8	25
21	Silver-sepiolite (Ag-Sep) hybrid reinforced active gelatin/date waste extract (DSWE) blend composite films for food packaging application. <i>Food Chemistry</i> , 2022, 369, 130983.	8.2	20
22	Chicken feathers as an intrinsic source to develop ZnS/carbon composite for Li-ion battery anode material. <i>Materials Chemistry and Physics</i> , 2020, 248, 122953.	4.0	15
23	Removal of heat stable salts from aqueous MDEA solution via electrosorption using carbon-based electrodes. <i>International Journal of Greenhouse Gas Control</i> , 2019, 85, 166-173.	4.6	12
24	Effect of Ion Volume on the Asymmetry of Two-Dimensional Planar Capacitive Deionization System: Determination and Manipulation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13434-13443.	3.1	8
25	Polypropylene/phosphazene nanotube nanocomposites: Thermal, mechanical, and flame retardation studies. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49525.	2.6	8
26	Two-dimensional mullite nanostructure: Synthesis and reinforcement effect on polypropylene/maleic anhydride graft ethylene vinyl acetate matrix. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48233.	2.6	6
27	UV Aging Behavior of Functionalized Mullite Nanofiber-Reinforced Polypropylene. <i>ACS Omega</i> , 2020, 5, 27083-27093.	3.5	6
28	Polyolefin/Graphene Nanocomposite Materials. , 2015, , 129-154.		4