

Kpo Mahesh

List of Publications by Year in descending order

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24
papers

773
citations

471509

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610901

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all docs

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docs citations

24
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced performance of a direct methanol alkaline fuel cell (DMAFC) using a polyvinyl alcohol/fumed silica/KOH electrolyte. <i>Journal of Power Sources</i> , 2010, 195, 7991-7999.	7.8	58
2	Mechanical, thermal and morphological behavior of bismaleimide modified polyurethane-epoxy IPN matrices. <i>Polymers for Advanced Technologies</i> , 2003, 14, 137-146.	3.2	57
3	Pervaporative concentration of ethanol-water mixtures using heterogeneous polydimethylsiloxane (PDMS) mixed matrix membranes. <i>Journal of Membrane Science</i> , 2011, 384, 17-26.	8.2	55
4	Perovskite white light-emitting diodes based on a molecular blend perovskite emissive layer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8634-8642.	5.5	54
5	Studies on thermal and morphological characteristics of E-glass/Kevlar 49 reinforced siliconized epoxy composites. <i>European Polymer Journal</i> , 2000, 36, 2449-2454.	5.4	53
6	Chemically modified polyurethane-SiO ₂ /TiO ₂ hybrid composite film and its reusability for photocatalytic degradation of Acid Black 1 (AB 1) under UV light. <i>Applied Catalysis A: General</i> , 2014, 475, 235-241.	4.3	53
7	Synthesis of Ni nanoparticles decorated SiO ₂ /TiO ₂ magnetic spheres for enhanced photocatalytic activity towards the degradation of azo dye. <i>Applied Surface Science</i> , 2015, 357, 433-438.	6.1	50
8	Permeant transport properties and cell performance of potassium hydroxide doped poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	8.2	48
9	Sorption, diffusion, and perm-selectivity of toluene vapor/nitrogen mixtures through polydimethylsiloxane membranes with two cross-linker densities. <i>Journal of Membrane Science</i> , 2010, 349, 321-332.	8.2	47
10	Flexible sensor for dopamine detection fabricated by the direct growth of γ -Fe ₂ O ₃ nanoparticles on carbon cloth. <i>Applied Surface Science</i> , 2018, 427, 387-395.	6.1	47
11	Structure and properties of the mesophase of syndiotactic polystyrene. <i>Journal of Membrane Science</i> , 2005, 262, 11-19.	8.2	39
12	Ultrastable, Deformable, and Stretchable Luminescent Organic-Inorganic Perovskite Nanocrystal-Polymer Composites for 3D Printing and White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30176-30184.	8.0	34
13	Facile synthesis of heterostructured Ag-deposited SiO ₂ @TiO ₂ composite spheres with enhanced catalytic activity towards the photodegradation of AB 1 dye. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 290-296.	4.8	32
14	Preparation and characterization of chain-extended bismaleimide modified polyurethane-epoxy matrices. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1562-1568.	2.6	29
15	Cell performance modeling of direct methanol fuel cells using proton-exchange solid electrolytes: Effective reactant diffusion coefficients in porous diffusion layers. <i>Journal of Power Sources</i> , 2013, 227, 275-283.	7.8	23
16	Structure and properties of the β -form and mesophase of syndiotactic polystyrene membranes prepared from different organic solvents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1873-1880.	2.1	20
17	A facile approach to hexagonal ZnO nanorod assembly. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 1-5.	2.4	20
18	Structure and properties of the mesophase of syndiotactic polystyrene. VIII. Solvent sorption behavior of syndiotactic polystyrene/p-chlorotoluene mesophase membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3439-3446.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Structure and properties of the mesophase of syndiotactic polystyrene membraneVII. Isothermal sorption behavior of xenon. Journal of Membrane Science, 2004, 238, 75-81.	8.2	12
20	A comparative study on the preparation and characterization of aromatic and aliphatic bismaleimides-modified polyurethaneâ€“epoxy interpenetrating polymer network matrices. Journal of Applied Polymer Science, 2006, 99, 3592-3602.	2.6	11
21	Impact of self-assembled monolayer assisted surface dipole modulation of PET substrate on the quality of RF-sputtered AZO film. Applied Surface Science, 2017, 403, 356-361.	6.1	6
22	Perovskite solar cells based on a perovskite film with improved film coverage. Synthetic Metals, 2020, 260, 116283.	3.9	6
23	Perovskite solar cells stability enhancement via analytical fabrication conditions. Synthetic Metals, 2020, 267, 116443.	3.9	5
24	Highly efficient strategy for photocatalytic tooth bleaching using SiO ₂ /MgO/Fe ₂ O ₃ nanocomposite spheres. Journal of the Taiwan Institute of Chemical Engineers, 2022, 136, 104429.	5.3	1