

Unal Sen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

985
citations

361388

20
h-index

552766

26
g-index

26
all docs

26
docs citations

26
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionomer content in the catalyst layer of polymer electrolyte membrane fuel cell (PEMFC): Effects on diffusion and performance. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2221-2229.	7.1	91
2	Proton conducting poly(vinyl alcohol) (PVA)/ poly(2-acrylamido-2-methylpropane sulfonic acid) (PAMPS)/ zeolitic imidazolate framework (ZIF) ternary composite membrane. <i>Journal of Membrane Science</i> , 2016, 499, 156-163.	8.2	85
3	Anhydrous proton conducting membranes for PEM fuel cells based on Nafion/Azole composites. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2808-2815.	7.1	83
4	Proton conducting membranes based on Poly(2,5-benzimidazole) (ABPBI)â€“Poly(vinylphosphonic acid) blends for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2724-2730.	7.1	75
5	Nafion/poly(1-vinyl-1,2,4-triazole) blends as proton conducting membranes for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7720-7726.	7.8	61
6	From 2-methylimidazole to 1,2,3-triazole: a topological transformation of ZIF-8 and ZIF-67 by post-synthetic modification. <i>Chemical Communications</i> , 2017, 53, 2028-2031.	4.1	61
7	Microâ€“Nanostructured Highly Crystalline Organic Semiconductor Films for Surfaceâ€“Enhanced Raman Spectroscopy Applications. <i>Advanced Functional Materials</i> , 2015, 25, 5669-5676.	14.9	60
8	Ultralow bandgap molecular semiconductors for ambient-stable and solution-processable ambipolar organic field-effect transistors and inverters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2368-2379.	5.5	51
9	Intrinsically proton-conducting poly(1-vinyl-1,2,4-triazole)/triflic acid blends. <i>Electrochimica Acta</i> , 2009, 54, 2957-2961.	5.2	50
10	Proton Conducting Self-Assembled Metalâ€“Organic Framework/Polyelectrolyte Hollow Hybrid Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23015-23021.	8.0	46
11	Design, synthesis, and characterization of $\hat{\pm},\tilde{\text{I}}\%$ -disubstituted indeno[1,2-b]fluorene-6,12-dione-thiophene molecular semiconductors. Enhancement of ambipolar charge transport through synthetic tailoring of alkyl substituents. <i>RSC Advances</i> , 2016, 6, 212-226.	3.6	38
12	Boronic Acid Moiety as Functional Defect in UiO-66 and Its Effect on Hydrogen Uptake Capacity and Selective CO ₂ Adsorption: A Comparative Study. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 787-795.	8.0	36
13	Anhydrous proton conducting poly(vinyl alcohol) (PVA)/ poly(2-acrylamido-2-methylpropane sulfonic) Tj ETQq1 1 0.784314 rgBT /Over 11321-11330.	7.1	28
14	Straightforward synthesis of a porous chromium-based porphyrinic metal-organic framework for visible-light triggered selective aerobic oxidation of benzyl alcohol to benzaldehyde. <i>Applied Catalysis A: General</i> , 2021, 611, 117965.	4.3	27
15	Complete mapping of the morphologies of some linear and graft fluorinated co-oligomers in an aprotic solvent by dissipative particle dynamics. <i>Journal of Chemical Physics</i> , 2006, 124, 064905.	3.0	24
16	Preparation, Properties, and Characterization of Polymer Electrolyte Membranes Based on Poly(1-vinyl-1,2,4 triazole) and Poly(styrene sulfonic acid). <i>Journal of the Electrochemical Society</i> , 2009, 156, B1112.	2.9	24
17	Blend membranes from poly(2,5-benzimidazole) and poly(styrene sulfonic acid) as proton-conducting polymer electrolytes for fuel cells. <i>Journal of Materials Science</i> , 2010, 45, 993-998.	3.7	23
18	Proton-conducting blend membranes of Nafion/poly(vinylphosphonic acid) for proton exchange membrane fuel cells. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	23

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19	Proton conducting polymer blends from poly(2,5-benzimidazole) and poly(2-acrylamido-2-methyl-1-propanesulfonic acid). Journal of Applied Polymer Science, 2011, 120, 1193-1198.	2.6	20
20	Three-Dimensional Au-Coated Electrospayed Nanostructured BODIPY Films on Aluminum Foil as Surface-Enhanced Raman Scattering Platforms and Their Catalytic Applications. ACS Applied Materials & Interfaces, 2017, 9, 18199-18206.	8.0	20
21	Enhancement of Anhydrous Proton Conductivity of Poly(vinylphosphonic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (acid Physics, 2015, 216, 106-112.	2.2	18
22	Development of highly transparent Pd-coated Ag nanowire electrode for display and catalysis applications. Applied Surface Science, 2015, 350, 79-86.	6.1	16
23	Trans-cis isomerization assisted synthesis of solution-processable yellow fluorescent maleic anhydrides for white-light generation. Synthetic Metals, 2015, 210, 192-200.	3.9	10
24	Poly(lauryl methacrylate)-Grafted Amino-Functionalized Zirconium-Terephthalate Metal-Organic Framework: Efficient Adsorbent for Extraction of Polycyclic Aromatic Hydrocarbons from Water Samples. ACS Omega, 2020, 5, 12202-12209.	3.5	9
25	Synthesis of benzotriazole functionalized ZIF-8 by postsynthetic modification for enhanced CH4 and CO2 uptakes. Inorganic Chemistry Communication, 2022, 142, 109696.	3.9	4
26	Mesoscale Morphologies of Nafion-Based Blend Membranes by Dissipative Particle Dynamics. Processes, 2021, 9, 984.	2.8	2