Cindrella Louis

List of Publications by Year
in descending order

33 papers	1,019 citations	567281 15 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1459 citing authors

#	Article	IF	Citations
1	Assessment of proton conductivity, dielectric relaxation and other physicochemical properties of LTA zeolite blended chitosan composites for membrane applications. Reactive and Functional Polymers, 2022, 170, 105116.	4.1	4
2	Chitosan nanohybrid proton exchange membranes based on CNT and exfoliated MoS2 for fuel cell applications. Journal of Polymer Research, 2022, 29, 1.	2.4	2
3	Enhanced self-humidification and proton conductivity in magnetically aligned NiO-Co3O4/chitosan nanocomposite membranes for high-temperature PEMFCs. Polymer Journal, 2021, 53, 679-693.	2.7	7
4	Is the H2 economy realizable in the foreseeable future? Part III: H2 usage technologies, applications, and challenges and opportunities. International Journal of Hydrogen Energy, 2020, 45, 28217-28239.	7.1	139
5	Is the H2 economy realizable in the foreseeable future? Part II: H2 storage, transportation, and distribution. International Journal of Hydrogen Energy, 2020, 45, 20693-20708.	7.1	129
6	Localized surface plasmon resonance of Cu-doped ZnO nanostructures and the materialâ€™s integration in dye sensitized solar cells (DSSCs) enabling high open-circuit potentials. Journal of Alloys and Compounds, 2020, 829, 154497.	5.5	27
7	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	7.1	186
8	Potential of aldehyde bearing N,N-diphenylhydrazone based organic dye in TiO₂, ZnO and TiO₂/ZnO bilayer semiconductor constituting dye sensitized solar cells. Materials Research Express, 2019, 6, 0850e6.	1.6	4
9	Graphene oxide based highly sensitive electrochemical sensor for detection of environmental pollutants and biomolecules. Materials Research Express, 2019, 6, 085548.	1.6	15
10	A Study on the Performance of Dye Sensitized Solar Cells Using Extract from Wrightia tinctoria R.Br. as Photosensitizers. Journal of Electronic Materials, 2019, 48, 7647-7653.	2.2	5
11	Graphene oxide-mesoporous iron oxide nanohybrid: an efficient reusable nanoadsorbent for the removal of organic dyes from wastewater. Materials Research Express, 2019, 6, 0850f8.	1.6	8
12	Mesoporous magnetite nanoparticle-decorated graphene oxide nanosheets for efficient electrochemical detection of hydrazine. Journal of Materials Science, 2019, 54, 4073-4088.	3.7	47
13	Studies on new natural dye sensitizers from Indigofera tinctoria in dye-sensitized solar cells. Optical Materials, 2019, 88, 39-47.	3.6	39
14	Ameliorating the photovoltaic conversion efficiency of ZnO nanorod based dye-sensitized solar cells by strontium doping. Superlattices and Microstructures, 2019, 128, 14-22.	3.1	21
15	Photovoltaic properties of Cassia fistula flower extract based dye-sensitized solar cells. Journal of Nanophotonics, 2019, 13, 1.	1.0	2
16	Semiconductive poly[N 1 ,N 4 -bis (thiophen-2-ylmethylene)benzene-1,4-diamine]-nickel oxide nanocomposite based ethanol sensor. Journal of Applied Polymer Science, 2018, 135, 45918.	2.6	1
17	Graphene oxide-wrapped magnetite nanoclusters: A recyclable functional hybrid for fast and highly efficient removal of organic dyes from wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 2176-2190.	6.7	60
18	Novel Nanofluids Based on Magnetite Nanoclusters and Investigation on Their Cluster Size-Dependent Thermal Conductivity. Journal of Physical Chemistry C, 2018, 122, 6918-6929.	3.1	22

#	Article	IF	Citations
19	Methyl substituted, azine bridged poly thiophenes and their structure related surface characteristics. Synthetic Metals, 2018, 246, 150-163.	3.9	3
20	Synthesis, Characterization, Thermal Conductivity and Rheological Studies in Magnetite-Decorated Graphene Oxide Nanofluids. Journal of Nanofluids, 2018, 7, 11-20.	2.7	22
21	Green synthesis of rGO-WO3 composite and its efficient photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2017, 42, 29791-29796.	7.1	24
22	Surfactant free synthesis of high surface area Pt@PdM₃ (M = Mn, Fe, Co, Ni, Cu) core/shell electrocatalysts with enhanced electrocatalytic activity and durability for PEM fuel cell applications. New Journal of Chemistry, 2016, 40, 8681-8695.	2.8	9
23	Electrocatalytic activity of Mn/Cu doped Fe₂O₃â€“PANIâ€“rGO composites for fuel cell applications. RSC Advances, 2015, 5, 39455-39463.	3.6	7
24	Semiconducting composite of chalcone-bridged polythiophene and titania, its ammonia vapor sensing property. Materials Science in Semiconductor Processing, 2015, 34, 126-137.	4.0	11
25	Global thrust on fuel cells and their sustainability â€“ an assessment of research trends by bibliometric analysis. International Journal of Sustainable Energy, 2014, 33, 125-140.	2.4	10
26	Impact of alloying and lattice strain on ORR activity of Pt and Pd based ternary alloys with Fe and Co for proton exchange membrane fuel cell applications. RSC Advances, 2014, 4, 11939.	3.6	64
27	Synthesis and characterization of polypyroleâ€platinum composite for use as electrode material. Polymer Composites, 2012, 33, 1652-1657.	4.6	10
28	Molecular orbital evaluation of charge flow dynamics in natural pigments based photosensitizers. Journal of Molecular Modeling, 2010, 16, 523-533.	1.8	24
29	Development and Evaluation of Gas Diffusion Layer Using Paraffin Wax Carbon for Proton Exchange Membrane Fuel Cells. Fuel Cells, 2010, 10, 563-566.	2.4	8
30	Synthesis and Characterization of NiS/MnS Core-Shell Embedded Conducting Polyaniline Composite for Photovoltaic Application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 59, 607-621.	3.4	53
31	Evaluation and visualisation of molecular orbitals of natural pigments by density functional theory for their application in photoelectrochemical devices. Molecular Simulation, 2010, 36, 1-4.	2.0	2
32	Ion-exchanged and salt hydrates-encapsulated zeolites for solar refrigeration. Solar Energy Materials and Solar Cells, 2009, 93, 161-166.	6.2	9
33	The real utility ranges of the solar selective coatings. Solar Energy Materials and Solar Cells, 2007, 91, 1898-1901.	6.2	45