

Chinmaya Mirle

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

322
citations

9
h-index

16
g-index

45
ext. papers

430
ext. citations

3.8
avg, IF

4.11
L-index

#	Paper	IF	Citations
41	Investigation of Alkyl Amine Substituted Quinone Derivatives for the Redox Flow Battery Applications in Acidic Medium. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 020533	3.9	1
40	A web of poly(bisbenzimidazolotocopper(ii)) around multiwalled carbon nanotubes for the electrochemical detection of hydrogen peroxide. <i>New Journal of Chemistry</i> , 2022 , 46, 1222-1231	3.6	0
39	A new 2,3-dimethoxy-1,4-naphthoquinone redox anolyte for non-aqueous organic static redox battery. <i>Electrochimica Acta</i> , 2022 , 407, 139889	6.7	1
38	CuO-NiO binary transition metal oxide nanoparticle anchored on rGO nanosheets as high-performance electrocatalyst for the oxygen reduction reaction.. <i>Environmental Research</i> , 2022 , 112992	7.9	2
37	Crossover-free hydroxy-substituted quinone anolyte and potassium ferrocyanide catholyte for aqueous alkaline organic redox flow battery. <i>Catalysis Today</i> , 2021 , 370, 173-180	5.3	3
36	Binder-free thin graphite fiber mat sandwich electrode architectures for energy-efficient vanadium redox flow batteries. <i>Catalysis Today</i> , 2021 , 370, 181-188	5.3	2
35	Computational study of 4,4'-dimethoxy triphenylamine donor linked with low band gap spacers by single and double bonds for DSSC applications. <i>New Journal of Chemistry</i> , 2021 , 45, 16989-17001	3.6	0
34	Electrode and Conductive Additive Compatibility Yielding Excellent Rate Capability and Long Cycle Life for Sustainable Organic Aqueous Zn-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1218-1227	6.1	9
33	Activation of Oxygen Reduction Reaction on Carbon Supported Ni-Based Complexes. <i>ChemistrySelect</i> , 2021 , 6, 9101-9111	1.8	0
32	Excited-State Properties of Metal-Free (()-2-Cyano-3-(4-(()-2-(6-(4-methoxyphenyl)-9-octyl-9-carbazol-3-yl)vinyl)phenyl)acrylic Acid and ()-2-Cyano-3-(4-(()-4-(diphenylamino)styryl)phenyl)acrylic Acid) and Ru-Based (N719 and Z907) Dyes and Photoinduced Charge Transfer Processes in FTO/TiCl ₄ /TiO ₂ /Dye Photoanodes Fabricated by	2.8	3
31	New cyclic and acyclic imidazole-based sensitizers for achieving highly efficient photoanodes for dye-sensitized solar cells by a potential-assisted method. <i>New Journal of Chemistry</i> , 2020 , 44, 10207-10219	3.6	6
30	Nickel-Based Hybrid Material for Electrochemical Oxygen Redox Reactions in an Alkaline Medium. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6408-6415	6.1	3
29	A computational study on boron dipyrromethene ancillary acceptor-based dyes for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2020 , 44, 4877-4886	3.6	12
28	Oxygen sensitive 1-amino-2-naphthol immobilized functionalized-carbon nanotube electrode. <i>New Journal of Chemistry</i> , 2020 , 44, 8849-8858	3.6	
27	Delineating the enhanced efficiency of carbon nanomaterials including the hierarchical architecture of the photoanode of dye-sensitized solar cells. <i>Materials Advances</i> , 2020 , 1, 2964-2970	3.3	
26	Confinement Catalysis of Non-covalently Functionalized Carbon Nanotube in Ascorbic Acid Sensing. <i>Electroanalysis</i> , 2020 , 32, 2481-2492	3	1
25	Molecular engineering of pyrene carbazole dyes with a single bond and double bond as the mode of linkage. <i>New Journal of Chemistry</i> , 2020 , 44, 16511-16525	3.6	5

24	A chitosan/poly(ethylene glycol)-ran-poly(propylene glycol) blend as an eco-benign separator and binder for quasi-solid-state supercapacitor applications. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 760-773	5.8	21
23	Carbon Supported and Nafion Stabilized Copper (II) Based 1D Coordination Polymer as an Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2019 , 166, F3193-F3201	3.9	7
22	Paper-Based Disposable Zinc-Vanadium Fuel Cell for Micropower Applications. <i>ChemistrySelect</i> , 2019 , 4, 8398-8403	1.8	4
21	Sodalite-type Cu-based Three-dimensional Metal-Organic Framework for Efficient Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4814-4818	4.5	6
20	Cobalt-Based Coordination Polymer for Oxygen Reduction Reaction. <i>ACS Omega</i> , 2018 , 3, 3830-3834	3.9	27
19	Computational Investigation of the Influence of Bridge Conjugation Order of Thiophene and Thiazole Units in Triphenylamine Based Dyes in Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , 2018 , 3, 3582-3590	1.8	6
18	Redox-Active Copper-Benzotriazole Stacked Multiwalled Carbon Nanotubes for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018 , 5, 1837-1847	4.3	6
17	Design of Cone-Shaped Hole Transporting Material Organic Structures for Perovskite Solar Cells Applications. <i>ChemistrySelect</i> , 2018 , 3, 8159-8166	1.8	3
16	N- and P-co-doped Graphite Felt Electrode for Improving Positive Electrode Chemistry of the Vanadium Redox Flow Battery. <i>ChemistrySelect</i> , 2018 , 3, 8678-8687	1.8	8
15	Carbon supported g-C ₃ N ₄ for electrochemical sensing of hydrazine. <i>Electrochemical Energy Technology</i> , 2018 , 4, 21-31	4	4
14	Iron-Dicyano Dichloro Quinone Primary Battery. <i>ChemistrySelect</i> , 2018 , 3, 10281-10286	1.8	0
13	Glycination: A Simple Strategy to Enhance the Cycling Performance of Perylene Dianhydride for Secondary Li-Ion Battery Applications. <i>ChemistrySelect</i> , 2018 , 3, 10657-10662	1.8	4
12	Chemical Vapor Deposition-Grown Nickel-Encapsulated N-Doped Carbon Nanotubes as a Highly Active Oxygen Reduction Reaction Catalyst without Direct Metal-Nitrogen Coordination. <i>ACS Omega</i> , 2018 , 3, 13609-13620	3.9	11
11	A High Voltage Organic Redox Flow Battery with Redox Couples O ₂ /Tetrabutylammonium Complex and Tris(4-bromophenyl)amine as Redox Active Species. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2696-A2702	3.9	4
10	On In Situ Redox Balancing of Vanadium Redox Flow Battery Using D-Fructose as Negative Electrolyte Additive. <i>ChemistrySelect</i> , 2017 , 2, 720-727	1.8	10
9	Flexible paper-based borohydride-vanadium fuel cell for powering micro-nanosystems. <i>Ionics</i> , 2017 , 23, 1811-1817	2.7	12
8	Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10289-10300	13	79
7	Understanding the photo-electrochemistry of metal-free di and tri substituted thiophene-based organic dyes in dye-sensitized solar cells using DFT/TD-DFT studies. <i>Ionics</i> , 2017 , 23, 3545-3554	2.7	15

6	Green, Seed-Mediated Synthesis of Au Nanowires and Their Efficient Electrocatalytic Activity in Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28876-28886	9.5	6
5	DFT/TD-DFT Studies of Metal-Free N-Annulated Perylene Based Organic Sensitizers for Dye-Sensitized Solar Cells: Is Thiophene Spacer Essential for Improving the DSSC Performance?. <i>ChemistrySelect</i> , 2016 , 1, 5854-5862	1.8	19
4	A DSSC with an Efficiency of ~10 %: Fermi Level Manipulation Impacting the Electron Transport at the Photoelectrode-Electrolyte Interface. <i>ChemistrySelect</i> , 2016 , 1, 6179-6187	1.8	5
3	Carbon-supported Co(III) dimer for oxygen reduction reaction in alkaline medium. <i>Ionics</i> , 2016 , 22, 2183-2194	2.7	9
2	Multifunctional copper dimer: structure, band gap energy, catalysis, magnetism, oxygen reduction reaction and proton conductivity. <i>RSC Advances</i> , 2016 , 6, 37515-37521	3.7	7
1	Combination of redox-active natural indigo dye and bio-derived carbon from ridge gourd fruit for high-performance asymmetric supercapacitors. <i>Ionics</i> , 1	2.7	0