

Rohit Vekariya

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,806
citations

430874

18
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	Balsa wood derived condensed, heteropore-connected 3D carbonâ€” sojourn from herbal, non-hazardous stuff to flexible energy-storage device. <i>Journal of Energy Storage</i> , 2021, 34, 102183.	8.1	7
2	Development of QCM sensor to detect Î±-terpinyl acetate in cardamom. <i>Sensors and Actuators A: Physical</i> , 2021, 319, 112521.	4.1	15
3	Economic designing of high-performance flexible supercapacitor based on cotton leaf derived porous carbon and natural ocean water. <i>Journal of Energy Storage</i> , 2021, 40, 102784.	8.1	11
4	Naturally occurring neem gum: An unprecedented green resource for bioelectrochemical flexible energy storage device. <i>International Journal of Energy Research</i> , 2020, 44, 913-924.	4.5	7
5	Self-assembly of stimuli-responsive block copolymers in aqueous solutions: an overview. <i>Polymer Bulletin</i> , 2020, 77, 5783-5810.	3.3	24
6	A brief review on solid lipid nanoparticles: part and parcel of contemporary drug delivery systems. <i>RSC Advances</i> , 2020, 10, 26777-26791.	3.6	288
7	An experimental and DFT study on novel dyes incorporated with natural dyes on titanium dioxide (TiO ₂) towards solar cell application. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	34
8	Silica-immobilized ionic liquid Brønsted acids as highly effective heterogeneous catalysts for the isomerization of <i>n</i> -heptane and <i>n</i> -octane. <i>RSC Advances</i> , 2020, 10, 15282-15292.	3.6	14
9	Morphological and opto-electrical studies of newly decorated nano organo-lead halide-based perovskite photovoltaics. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 92, 548-553.	2.4	1
10	Acidic ionic liquids containing variable cationic head groups for catalytic isomerization of <i>n</i> -hexane. <i>Journal of Molecular Liquids</i> , 2019, 288, 111047.	4.9	12
11	Concisely modularized assembling of graphene-based thin films with promising electrode performance. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1462-1470.	5.9	8
12	Optoelectrical characterization of different fabricated donor substituted benzothiazole based sensitizers for efficient DSSCs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 35-41.	3.9	13
13	Marine Natural Product Bis-indole Alkaloid Caulerpin: Chemistry and Biology. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 751-761.	2.4	36
14	Efficient solid state dye sensitized solar cell based on tricationic ionic crystal pyridinium-imidazolium electrolytes. <i>Organic Electronics</i> , 2018, 56, 260-267.	2.6	8
15	Effective photo-harvesting by dye sensitized solar cell based on dihydrothieno [3,4- <i>b</i>][1,4] dioxine bridge based metal free organic dye. <i>Organic Electronics</i> , 2018, 56, 232-239.	2.6	20
16	Pyridinium-clubbed dicationic ionic liquid electrolytes for efficient next-generation photo harvesting. <i>New Journal of Chemistry</i> , 2018, 42, 6990-6996.	2.8	20
17	Reduction of micellar size of PEOâ”PPOâ”PEO triblock copolymer in presence of ionic liquid in aqueous solutions: A SANS study. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 517-521.	2.4	16
18	Doping effect of aminopyridine analogous in supramolecular quasi-solid polymer electrolyte for DSSCs: improvement in ionic diffusion leading to superior efficiency. <i>Ionics</i> , 2018, 24, 1235-1242.	2.4	9

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19	Fabrication and characterization of next generation nano-structured organo-lead halide-based perovskite solar cell. <i>Ionics</i> , 2018, 24, 1227-1233.	2.4	12
20	An overview of engineered porous material for energy applications: a mini-review. <i>Ionics</i> , 2018, 24, 1-17.	2.4	61
21	Influence of tagging thiophene bridge unit on optical and electrochemical properties of coumarin based dyes for DSSCs with theoretical insight. <i>Organic Electronics</i> , 2018, 53, 280-286.	2.6	34
22	n-Alkane isomerization by catalysis—a method of industrial importance: An overview. <i>Cogent Chemistry</i> , 2018, 4, 1514686.	2.5	21
23	Systematic study of mono- and tri-TEMPO-based electrolytes for highly efficient next-generation dye-sensitized photo harvesting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 363, 1-6.	3.9	9
24	Designing and fabrication of phenothiazine and carbazole based sensitizers for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17057-17063.	7.1	4
25	Fabrication of DSSCs sensitizers based on different donors substituted with a dihydropyrrolo[3,4-c]pyrrole-1,4-dione bridge for DSSCs: influence of the CDCA co-absorbent. <i>New Journal of Chemistry</i> , 2018, 42, 12024-12031.	2.8	12
26	Efficient esterification of n-butanol with acetic acid catalyzed by the Brønsted acidic ionic liquids: influence of acidity. <i>RSC Advances</i> , 2017, 7, 5412-5420.	3.6	71
27	Synthesis and characterization of double SO ₃ H functionalized Brønsted acidic hydrogensulfate ionic liquid confined with silica through sol-gel method. <i>Composite Interfaces</i> , 2017, 24, 801-816.	2.3	27
28	Kinetics and mechanistic study of n-alkane hydroisomerization reaction on Pt-doped γ ³ -alumina catalyst. <i>Petroleum</i> , 2017, 3, 489-495.	2.8	26
29	A review of ionic liquids: Applications towards catalytic organic transformations. <i>Journal of Molecular Liquids</i> , 2017, 227, 44-60.	4.9	778
30	Effects of cationic head groups of ionic liquid on micellization in aqueous solution of PEO-PPO-PEO triblock copolymer. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1594-1599.	2.4	13
31	Micellization behaviour of surface active N-alkyl pyridinium dodecylsulphate task-specific ionic liquids in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 203-209.	4.7	24
32	Coumarin based sensitizers with ortho-halides substituted phenylene spacer for dye sensitized solar cells. <i>Organic Electronics</i> , 2017, 48, 291-297.	2.6	33
33	Dependency of Anion and Chain Length of Imidazolium Based Ionic Liquid on Micellization of the Block Copolymer F127 in Aqueous Solution: An Experimental Deep Insight. <i>Polymers</i> , 2017, 9, 285.	4.5	16
34	Nano-Structured Superacidic Sulfated Zirconium Oxide Catalyst: Synthesis, Characterization and Application in One-Pot Isomerization of n-Alkanes Predicting Their Reaction-Kinetics. <i>Energy and Environment Focus</i> , 2017, 6, 88-95.	0.3	0
35	Humic Acid as a Sensitizer in Highly Stable Dye Solar Cells: Energy from an Abundant Natural Polymer Soil Component. <i>ACS Omega</i> , 2016, 1, 14-18.	3.5	31
36	Removal of Aluminum from Leaching Solution of Lepidolite by Adding Ammonium. <i>Jom</i> , 2016, 68, 2653-2658.	1.9	11

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37	Influence of <i>N</i> -Alkylpyridinium Halide Based Ionic Liquids on Micellization of P123 in Aqueous Solutions: A SANS, DLS, and NMR Study. <i>Langmuir</i> , 2014, 30, 14406-14415.	3.5	31
38	Effect of ionic liquids on microstructures of micellar aggregates formed by PEO- <i>b</i> -PPO- <i>b</i> -PEO block copolymer in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 153-161.	4.7	27
39	Ionic liquid induced sphere-to-ribbon transition in the block copolymer mediated synthesis of silver nanoparticles. <i>RSC Advances</i> , 2013, 3, 8398.	3.6	19