

Sudhir Ravula

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,211
citations

516561

16
h-index

642610

23
g-index

25
all docs

25
docs citations

25
times ranked

1959
citing authors

#	ARTICLE	IF	CITATIONS
1	Ternary Deep Eutectic Solvents Tasked for Carbon Dioxide Capture. ACS Sustainable Chemistry and Engineering, 2014, 2, 2117-2123.	3.2	196
2	Pee-dots: biocompatible fluorescent carbon dots derived from the upcycling of urine. Green Chemistry, 2016, 18, 243-250.	4.6	169
3	Aqueous ionic liquids and deep eutectic solvents for cellulosic biomass pretreatment and saccharification. RSC Advances, 2014, 4, 10586.	1.7	151
4	PEG-functionalized ionic liquids for cellulose dissolution and saccharification. Green Chemistry, 2012, 14, 2922.	4.6	116
5	Ionic liquid-assisted exfoliation and dispersion: stripping graphene and its two-dimensional layered inorganic counterparts of their inhibitions. Nanoscale, 2015, 7, 4338-4353.	2.8	95
6	Tuning Task-Specific Ionic Liquids for the Extractive Desulfurization of Liquid Fuel. ACS Sustainable Chemistry and Engineering, 2016, 4, 4771-4780.	3.2	88
7	Ionic Liquid-Assisted Synthesis of Nanoscale (MoS ₂) _x (SnO ₂) _{1-x} on Reduced Graphene Oxide for the Electrocatalytic Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 8065-8074.	4.0	55
8	Vapor Pressure Mapping of Ionic Liquids and Low-Volatility Fluids Using Graded Isothermal Thermogravimetric Analysis. ChemEngineering, 2019, 3, 42.	1.0	46
9	Kitchen-Inspired Nanochemistry: Dispersion, Exfoliation, and Hybridization of Functional MoS ₂ Nanosheets Using Culinary Hydrocolloids. ChemNanoMat, 2015, 1, 167-177.	1.5	35
10	Study of benzyl- or cyclohexyl-functionalized ionic liquids using inverse gas chromatography. Journal of Molecular Liquids, 2017, 242, 550-559.	2.3	31
11	Infinite Dilution Activity Coefficients and Gas-to-Liquid Partition Coefficients of Organic Solutes Dissolved in 1-Benzylpyridinium Bis(Trifluoromethylsulfonyl)imide and 1-Cyclohexylmethyl-1-Methylpyrrolidinium Bis(Trifluoromethylsulfonyl)imide. Journal of Solution Chemistry, 2018, 47, 308-335.	0.6	31
12	Infinite dilution activity coefficients and gas-to-liquid partition coefficients of organic solutes dissolved in 1-sec-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and in 1-tert-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. Physics and Chemistry of Liquids, 2019, 57, 453-472.	0.4	29
13	Infinite dilution activity coefficients of solutes dissolved in anhydrous alkyl(dimethyl)isopropylammonium bis(trifluoromethylsulfonyl)imide ionic liquids containing functionalized- and nonfunctionalized-alkyl chains. Journal of Molecular Liquids, 2016, 222, 295-312.	2.3	26
14	Sunlight-assisted route to antimicrobial plasmonic aminoclay catalysts. Nanoscale, 2015, 7, 86-91.	2.8	25
15	Tumor-Targeting NIRF NanoGUMBOS with Cyclodextrin-Enhanced Chemo/Photothermal Antitumor Activities. ACS Applied Materials & Interfaces, 2019, 11, 27548-27557.	4.0	25
16	Hyaluronic Acid-Cellulose Composites as Patches for Minimizing Bacterial Infections. ACS Omega, 2020, 5, 4125-4132.	1.6	22
17	Soft- and hard-templated organic salt nanoparticles with the Midas touch: gold-shelled nanoGUMBOS. Journal of Materials Chemistry C, 2014, 2, 8996-9003.	2.7	17
18	Enhanced chemotherapeutic toxicity of cyclodextrin templated size-tunable rhodamine 6G nanoGUMBOS. Journal of Materials Chemistry B, 2018, 6, 5451-5459.	2.9	15

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19	Comparison of Chemotherapeutic Activities of Rhodamine-Based GUMBOS and NanoGUMBOS. <i>Molecules</i> , 2020, 25, 3272.	1.7	13
20	Poly(ionic liquid)s with Dicationic Pendants as Gas Separation Membranes. <i>Membranes</i> , 2022, 12, 264.	1.4	11
21	Synthesis of novel dihydrooxazine and oxazoline based sugar hybrids from sugar azides. <i>Tetrahedron Letters</i> , 2011, 52, 4313-4315.	0.7	8
22	Ionothermal synthesis of magnetically-retrievable mesoporous carbons from alkyne-appended ionic liquids and demonstration of their use in selective dye removal. <i>New Journal of Chemistry</i> , 2018, 42, 1979-1986.	1.4	6
23	Controlling Microarray Feature Spreading and Response Stability on Porous Silicon Platforms by Using Alkene-Terminal Ionic Liquids and UV Hydrosilylation. <i>Langmuir</i> , 2020, 36, 5474-5482.	1.6	1
24	Design and synthesis of novel spirocyclic carboxylic acids as potent and orally bioavailable DGAT1 inhibitors and their biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 62, 128632.	1.0	0