

Kaveh Shahbaz

List of Publications by Year in descending order

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33
papers

2,066
citations

304602

22
h-index

395590

33
g-index

33
all docs

33
docs citations

33
times ranked

1795
citing authors

#	ARTICLE	IF	CITATIONS
1	Densities of ammonium and phosphonium based deep eutectic solvents: Prediction using artificial intelligence and group contribution techniques. <i>Thermochimica Acta</i> , 2012, 527, 59-66.	1.2	264
2	Prediction of deep eutectic solvents densities at different temperatures. <i>Thermochimica Acta</i> , 2011, 515, 67-72.	1.2	200
3	Using Deep Eutectic Solvents Based on Methyl Triphenyl Phosphonium Bromide for the Removal of Glycerol from Palm-Oil-Based Biodiesel. <i>Energy & Fuels</i> , 2011, 25, 2671-2678.	2.5	189
4	Using Deep Eutectic Solvents for the Removal of Glycerol from Palm Oil-Based Biodiesel. <i>Journal of Applied Sciences</i> , 2010, 10, 3349-3354.	0.1	129
5	Prediction of the surface tension of deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2012, 319, 48-54.	1.4	126
6	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. <i>Separation and Purification Technology</i> , 2011, 81, 216-222.	3.9	121
7	Recent progress in solar thermal energy storage using nanomaterials. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 450-460.	8.2	115
8	Thermogravimetric measurement of deep eutectic solvents vapor pressure. <i>Journal of Molecular Liquids</i> , 2016, 222, 61-66.	2.3	93
9	Prediction of refractive index and density of deep eutectic solvents using atomic contributions. <i>Fluid Phase Equilibria</i> , 2013, 354, 304-311.	1.4	76
10	Electrical conductivity of ammonium and phosphonium based deep eutectic solvents: Measurements and artificial intelligence-based prediction. <i>Fluid Phase Equilibria</i> , 2013, 356, 30-37.	1.4	70
11	Application of the E _A and Guggenheim empirical rules for predicting the density and surface tension of ionic liquids analogues. <i>Thermochimica Acta</i> , 2014, 575, 40-44.	1.2	69
12	Zinc (II) chloride-based deep eutectic solvents for application as electrolytes: Preparation and characterization. <i>Journal of Molecular Liquids</i> , 2015, 204, 76-83.	2.3	67
13	A novel calcium chloride hexahydrate-based deep eutectic solvent as a phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 147-154.	3.0	64
14	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. <i>Renewable Energy</i> , 2017, 114, 480-488.	4.3	60
15	Improving the production of propyl and butyl ester-based biodiesel by purification using deep eutectic solvents. <i>Separation and Purification Technology</i> , 2017, 174, 570-576.	3.9	43
16	Synthesis and thermo-physical properties of deep eutectic solvent-based graphene nanofluids. <i>Nanotechnology</i> , 2016, 27, 075702.	1.3	39
17	Deep eutectic solvents – Versatile chemicals in biodiesel production. <i>Fuel</i> , 2021, 295, 120604.	3.4	39
18	Glycerolysis of free fatty acids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110501.	8.2	35

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19	Prediction of glycerol removal from biodiesel using ammonium and phosphonium based deep eutectic solvents using artificial intelligence techniques. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 118, 193-199.	1.8	32
20	Approach for Polygodial Extraction from <i>Pseudowintera colorata</i> (Horopito) Leaves Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 862-871.	3.2	31
21	Modified Rackett equation for modelling the molar volume of deep eutectic solvents. <i>Thermochimica Acta</i> , 2015, 614, 185-190.	1.2	30
22	Stability and thermophysical studies on deep eutectic solvent based carbon nanotube nanofluid. <i>Materials Research Express</i> , 2017, 4, 075028.	0.8	28
23	Effective devulcanization of ground tire rubber using choline chloride-based deep eutectic solvents. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103151.	3.3	22
24	Application of deep eutectic solvents in the extraction of polyphenolic antioxidants from New Zealand Manuka leaves (<i>Leptospermum Scoparium</i>): Optimization and antioxidant activity. <i>Journal of Molecular Liquids</i> , 2021, 337, 116385.	2.3	20
25	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. <i>Separation Science and Technology</i> , 2013, 48, 1184-1193.	1.3	18
26	Densities and Viscosities of Binary Blends of Methyl Esters + Ethyl Esters and Ternary Blends of Methyl Esters + Ethyl Esters + Diesel Fuel from T = (293.15 to 358.15) K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1387-1395.	1.0	15
27	Binary mixtures of fatty alcohols and fatty acid esters as novel solid-liquid phase change materials. <i>International Journal of Energy Research</i> , 2019, 43, 8536.	2.2	15
28	Glycerolysis of free fatty acid in vegetable oil deodorizer distillate catalyzed by phosphonium-based deep eutectic solvent. <i>Renewable Energy</i> , 2020, 160, 363-373.	4.3	15
29	Evaluation of deep eutectic solvents in the extraction of Î²-caryophyllene from New Zealand Manuka leaves (<i>Leptospermum scoparium</i>). <i>Chemical Engineering Research and Design</i> , 2021, 166, 97-108.	2.7	15
30	Antioxidant and antibacterial evaluation of Manuka leaves (<i>Leptospermum scoparium</i>) extracted by hydrophobic deep eutectic solvent. <i>Chemical Engineering Research and Design</i> , 2021, 174, 96-106.	2.7	10
31	Adsorptive removal of residual catalyst from palm biodiesel: Application of response surface methodology. <i>Hemijaska Industrija</i> , 2012, 66, 373-380.	0.3	10
32	Guanidinium solvents with exceptional hydrogen bond donating abilities. <i>Chemical Communications</i> , 2022, 58, 3505-3508.	2.2	4
33	The potential use of pulsed electric field to assist in polygodial extraction from Horopito (<i>Pseudowintera colorata</i>) leaves. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 272-280.	1.2	2