Kaveh Shahbaz

List of Publications by Year
in descending order

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	Guanidinium solvents with exceptional hydrogen bond donating abilities. Chemical Communications, 2022, 58, 3505-3508.	2.2	4
2	Glycerolysis of free fatty acids: A review. Renewable and Sustainable Energy Reviews, 2021, 137, 110501.	8.2	35
3	Evaluation of deep eutectic solvents in the extraction of Î²-caryophyllene from New Zealand Manuka leaves (Leptospermum scoparium). Chemical Engineering Research and Design, 2021, 166, 97-108.	2.7	15
4	Deep eutectic solvents â€“ Versatile chemicals in biodiesel production. Fuel, 2021, 295, 120604.	3.4	39
5	Application of deep eutectic solvents in the extraction of polyphenolic antioxidants from New Zealand Manuka leaves (Leptospermum Scoparium): Optimization and antioxidant activity. Journal of Molecular Liquids, 2021, 337, 116385.	2.3	20
6	Antioxidant and antibacterial evaluation of Manuka leaves (Leptospermum scoparium) extracted by hydrophobic deep eutectic solvent. Chemical Engineering Research and Design, 2021, 174, 96-106.	2.7	10
7	Glycerolysis of free fatty acid in vegetable oil deodorizer distillate catalyzed by phosphonium-based deep eutectic solvent. Renewable Energy, 2020, 160, 363-373.	4.3	15
8	Binary mixtures of fatty alcohols and fatty acid esters as novel solidâ€liquid phase change materials. International Journal of Energy Research, 2019, 43, 8536.	2.2	15
9	Effective devulcanization of ground tire rubber using choline chloride-based deep eutectic solvents. Journal of Environmental Chemical Engineering, 2019, 7, 103151.	3.3	22
10	The potential use of pulsed electric field to assist in polygodial extraction from Horopito (Pseudowintera colorata) leaves. Korean Journal of Chemical Engineering, 2019, 36, 272-280.	1.2	2
11	Approach for Polygodial Extraction from <i>Pseudowintera colorata</i> (Horopito) Leaves Using Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2018, 6, 862-871.	3.2	31
12	Stability and thermophysical studies on deep eutectic solvent based carbon nanotube nanofluid. Materials Research Express, 2017, 4, 075028.	0.8	28
13	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. Renewable Energy, 2017, 114, 480-488.	4.3	60
14	Improving the production of propyl and butyl ester-based biodiesel by purification using deep eutectic solvents. Separation and Purification Technology, 2017, 174, 570-576.	3.9	43
15	Recent progress in solar thermal energy storage using nanomaterials. Renewable and Sustainable Energy Reviews, 2017, 67, 450-460.	8.2	115
16	Thermogravimetric measurement of deep eutectic solvents vapor pressure. Journal of Molecular Liquids, 2016, 222, 61-66.	2.3	93
17	A novel calcium chloride hexahydrate-based deep eutectic solvent as a phase change materials. Solar Energy Materials and Solar Cells, 2016, 155, 147-154.	3.0	64
18	Synthesis and thermo-physical properties of deep eutectic solvent-based graphene nanofluids. Nanotechnology, 2016, 27, 075702.	1.3	39

#	Article	IF	Citations
19	Zinc (II) chloride-based deep eutectic solvents for application as electrolytes: Preparation and characterization. Journal of Molecular Liquids, 2015, 204, 76-83.	2.3	67
20	Modified Rackett equation for modelling the molar volume of deep eutectic solvents. Thermochimica Acta, 2015, 614, 185-190.	1.2	30
21	Application of the EÃ¶tvos and Guggenheim empirical rules for predicting the density and surface tension of ionic liquids analogues. Thermochimica Acta, 2014, 575, 40-44.	1.2	69
22	Prediction of refractive index and density of deep eutectic solvents using atomic contributions. Fluid Phase Equilibria, 2013, 354, 304-311.	1.4	76
23	Electrical conductivity of ammonium and phosphonium based deep eutectic solvents: Measurements and artificial intelligence-based prediction. Fluid Phase Equilibria, 2013, 356, 30-37.	1.4	70
24	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. Separation Science and Technology, 2013, 48, 1184-1193.	1.3	18
25	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. Journal of Chemical & Engineering Data, 2012, 57, 1387-1395.	1.0	15
26	Prediction of glycerol removal from biodiesel using ammonium and phosphunium based deep eutectic solvents using artificial intelligence techniques. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 193-199.	1.8	32
27	Prediction of the surface tension of deep eutectic solvents. Fluid Phase Equilibria, 2012, 319, 48-54.	1.4	126
28	Densities of ammonium and phosphonium based deep eutectic solvents: Prediction using artificial intelligence and group contribution techniques. Thermochimica Acta, 2012, 527, 59-66.	1.2	264
29	Adsorptive removal of residual catalyst from palm biodiesel: Application of response surface methodology. Hemijska Industrija, 2012, 66, 373-380.	0.3	10
30	Using Deep Eutectic Solvents Based on Methyl Triphenyl Phosphunium Bromide for the Removal of Glycerol from Palm-Oil-Based Biodiesel. Energy & Fuels, 2011, 25, 2671-2678.	2.5	189
31	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. Separation and Purification Technology, 2011, 81, 216-222.	3.9	121
32	Prediction of deep eutectic solvents densities at different temperatures. Thermochimica Acta, 2011, 515, 67-72.	1.2	200
33	Using Deep Eutectic Solvents for the Removal of Glycerol from Palm Oil-Based Biodiesel. Journal of Applied Sciences, 2010, 10, 3349-3354.	0.1	129