

# Vineet K Aniya

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

373  
citations

758635

12  
h-index

794141

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and simulation of batch kinetics of non-edible karanja oil for biodiesel production: A mass transfer study. <i>Fuel</i> , 2015, 161, 137-145.	3.4	37
2	Comprehensive Approach toward Dehydration of <i>tert</i> -Butyl Alcohol by Extractive Distillation: Entrainer Selection, Thermodynamic Modeling and Process Optimization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 6982-6995.	1.8	35
3	Design and operation of extractive distillation systems using different class of entrainers for the production of fuel grade <i>tert</i> -butyl Alcohol: A techno-economic assessment. <i>Energy</i> , 2018, 144, 1013-1025.	4.5	30
4	Strategic biorefinery platform for green valorization of agro-industrial residues: A sustainable approach towards biodegradable plastics. <i>Journal of Cleaner Production</i> , 2021, 290, 125184.	4.6	29
5	Measurement and Modeling of Solubility of <i>para</i> - <i>tert</i> -Butylbenzoic Acid in Pure and Mixed Organic Solvents at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1411-1421.	1.0	28
6	Assessing the applicability of an agro-industrial waste to Engineered Bio-char as a dynamic adsorbent for Fluoride Sorption. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2998-3009.	3.3	25
7	Translation of lignocellulosic waste to mesoporous solid acid catalyst and its efficacy in esterification of volatile fatty acid. <i>Microporous and Mesoporous Materials</i> , 2018, 264, 198-207.	2.2	19
8	Measurement and Modeling of Solid-Liquid Equilibrium of <i>para</i> - <i>tert</i> -Butylbenzoic Acid in Acetic Acid/Methanol + Water and Acetic Acid + <i>para</i> - <i>tert</i> -Butyltoluene Binary Systems at Various Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 87-95.	1.0	17
9	Isobaric Phase Equilibrium of <i>tert</i> -Butyl Alcohol + Glycerol at Local and Subatmospheric Pressures, Volumetric Properties, and Molar Refractivity from 303.15 to 333.15 K of <i>tert</i> -Butyl Alcohol + Glycerol, <i>tert</i> -Butyl Alcohol + Water, and Water + Glycerol Binary Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 1850-1863.	1.0	16
10	Experimental isobaric vapor-liquid equilibrium at sub-atmospheric and local atmospheric pressures, volumetric properties and molar refractivity from 293.15 to 313.15K of water+triethylene glycol. <i>Fluid Phase Equilibria</i> , 2015, 405, 132-140.	1.4	15
11	An energy efficient route for the dehydration of 2-Methylpropan-2-ol: Experimental investigation, modeling and process optimization. <i>Separation and Purification Technology</i> , 2015, 156, 738-753.	3.9	12
12	Measurement and modeling of solubility of MgCl <sub>2</sub> in 2-methylpropan-2-ol+water+glycerol+MgCl <sub>2</sub> system: A solid-liquid equilibrium study based on symmetric eNRTL model and evaluation of thermodynamic functions of solutions. <i>Journal of Molecular Liquids</i> , 2016, 221, 262-270.	2.3	12
13	Measurement and Correlation Studies of the Saturated Vapor Pressure, Density, Refractive Indices, and Viscosity of Methyl 4- <i>tert</i> -Butylbenzoate. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 96-104.	1.0	11
14	Solubility Measurement, Modeling, and Thermodynamic Functions for <i>para</i> -Methoxyphenylacetic Acid in Pure and Mixed Organic and Aqueous Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3369-3381.	1.0	11
15	Isobaric phase equilibrium of morpholine + 1-decanol, volumetric properties and molar refractivity from 293.15 to 333.15 K of morpholine + 1-decanol and 1-octanol + toluene system with applications of Prigogine-Flory-Patterson theory. <i>Thermochimica Acta</i> , 2017, 649, 41-53.	1.2	10
16	Torrefaction assessment and kinetics of deoiled karanja seed cake. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 758-765.	1.3	10
17	Economic and environmental impact assessment of extractive distillation with renewable entrainers for reprocessing aqueous 2-Propanol. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107616.	1.8	10
18	Microporous material induced composite membrane with reduced oxygen leakage for MFC application. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104117.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Measurement and correlation studies of phase equilibria and thermophysical properties of 4-tert-butylbenzaldehyde. <i>Journal of Molecular Liquids</i> , 2019, 280, 11-17.	2.3	6
20	Economic assessment and application of bio-composite membrane in microbial fuel cell. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106477.	3.3	6
21	A non-edible waste as a potential sorptive media for removal of herbicide from the watershed. <i>Journal of Hazardous Materials</i> , 2020, 390, 121671.	6.5	5
22	CO <sub>2</sub> as oxidant: an unusual light-assisted catalyst free oxidation of aldehydes to acids under mild conditions. <i>Chemical Communications</i> , 2022, 58, 2208-2211.	2.2	5
23	Extractive distillation of ethyl acetate-ethanol-water ternary system using deep eutectic solvent (DES): A techno economic and energy assessment. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 175, 108913.	1.8	5
24	Phase equilibria and thermophysical properties of dibromomethane: Measurement and correlation studies. <i>Journal of Molecular Liquids</i> , 2020, 306, 112917.	2.3	4
25	Measurement and Modeling of Phase Equilibrium, Volumetric Properties and Molar Refractivity of 2-Methylpropan-2-ol+Ethane-1,2-diol. <i>Journal of Solution Chemistry</i> , 2017, 46, 1177-1201.	0.6	3
26	Thermodynamic properties of active pharmaceutical ingredients that are of interest in COVID-19. <i>Chemical Data Collections</i> , 2022, 37, 100820.	1.1	2
27	Thermodynamic Measurements and Correlation of Properties for Tribromomethane. <i>Journal of Solution Chemistry</i> , 2021, 50, 723-751.	0.6	0