

Zachariah Steven Baird

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of N ₂ and CO ₂ on shale oil from pyrolysis of Estonian oil shale. International Journal of Coal Preparation and Utilization, 2022, 42, 2908-2922.	1.2	5
2	A Predictive Approach towards Using PC-SAFT for Modeling the Properties of Shale Oil. Materials, 2022, 15, 4221.	1.3	0
3	Comparison of the most likely low-emission electricity production systems in Estonia. PLoS ONE, 2021, 16, e0261780.	1.1	3
4	Densities, Viscosities, and Thermal Conductivities of the Ionic Liquid 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-enium Acetate and Its Mixtures with Water. International Journal of Thermophysics, 2020, 41, 1.	1.0	4
5	Vapor Pressures of Phenolic Compounds Found in Pyrolysis Oil. Journal of Chemical & Engineering Data, 2020, 65, 5559-5566.	1.0	5
6	Vapor-Liquid Equilibrium of Ionic Liquid 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-enium Acetate and Its Mixtures with Water. Journal of Chemical & Engineering Data, 2020, 65, 2405-2421.	1.0	8
7	Mineral and Heavy Metal Composition of Oil Shale Ash from Oxyfuel Combustion. ACS Omega, 2020, 5, 32498-32506.	1.6	6
8	Physical Properties of 7-Methyl-1,5,7-triazabicyclo[4.4.0]dec-5-ene (mTBD). International Journal of Thermophysics, 2019, 40, 1.	1.0	12
9	Vapor Pressures, Densities, and PC-SAFT Parameters for 11 Bio-compounds. International Journal of Thermophysics, 2019, 40, 1.	1.0	34
10	Temperature and Pressure Dependence of Density of a Shale Oil and Derived Thermodynamic Properties. Industrial & Engineering Chemistry Research, 2018, 57, 5128-5135.	1.8	5
11	Hydrogen Solubility of Shale Oil Containing Polar Phenolic Compounds. Industrial & Engineering Chemistry Research, 2017, 56, 8738-8747.	1.8	12
12	PHYSICAL AND THERMODYNAMIC PROPERTIES OF KUKERSITE PYROLYSIS SHALE OIL: LITERATURE REVIEW. Oil Shale, 2016, 33, 184.	0.5	8
13	Predicting fuel properties using chemometrics: a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density. Chemometrics and Intelligent Laboratory Systems, 2016, 158, 41-47.	1.8	15
14	Distribution of Hydroxyl Groups in Kukersite Shale Oil: Quantitative Determination Using Fourier Transform Infrared (FT-IR) Spectroscopy. Applied Spectroscopy, 2015, 69, 555-562.	1.2	14
15	Sulfur in kukersite shale oil: its distribution in shale oil fractions and the effect of gaseous environment. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	1