Yongsheng Guo

List of Publications by Year
in descending order

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74	1,751	236925	330143
papers	citations	25 h-index	37 g-index

74	74	74	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of Well-Dispersed Silver Nanoparticles for Oil-Based Nanofluids. Industrial & Engineering Chemistry Research, 2010, 49, 1697-1702.	3.7	111
2	Thermal Cracking of JP-10 under Pressure. Industrial & Engineering Chemistry Research, 2008, 47, 10034-10040.	3.7	80
3	Piperazinium-Based Ionic Liquids with Lactate Anion for Extractive Desulfurization of Fuels. Energy & Fuels, 2014, 28, 1774-1780.	5.1	69
4	Excess Molar Volume along with Viscosity and Refractive Index for Binary Systems of Tricyclo[5.2.1.0^{2.6}]decane with Five Cycloalkanes. Journal of Chemical & Engineering Data, 2013, 58, 3078-3086.	1.9	59
5	Density, Refractive Index, Viscosity, and Surface Tension of Binary Mixtures of exo-Tetrahydrodicyclopentadiene with Some n-Alkanes from (293.15 to 313.15) K. Journal of Chemical & Engineering Data, 2011, 56, 4268-4273.	1.9	57
6	Coking of Model Hydrocarbon Fuels under Supercritical Condition. Energy & Fuels, 2009, 23, 2997-3001.	5.1	53
7	Density, Viscosity, and Conductivity of Binary Mixtures of the Ionic Liquid N-(2-Hydroxyethyl)piperazinium Propionate with Water, Methanol, or Ethanol. Journal of Chemical & Engineering Data, 2015, 60, 455-463.	1.9	51
8	Excess Molar Volume along with Viscosity, Flash Point, and Refractive Index for Binary Mixtures of cis-Decalin or trans-Decalin with C₉ to C₁₁ n-Alkanes. Journal of Chemical & Engineering Data, 2013, 58, 2224-2232.	1.9	50
9	Densities, Viscosities, Refractive Indices, and Surface Tensions of Binary Mixtures of 2,2,4-Trimethylpentane with Several Alkylated Cyclohexanes from (293.15 to 343.15) K. Journal of Chemical & Engineering Data, 2015, 60, 2541-2548.	1.9	47
10	Density, Viscosity, Refractive Index, and Surface Tension for Six Binary Systems of Adamantane Derivatives with 1-Heptanol and Cyclohexylmethanol. Journal of Chemical & Engineering Data, 2014, 59, 2602-2613.	1.9	43
11	Heat-sink enhancement of decalin and aviation kerosene prepared as nanofluids with palladium nanoparticles. Fuel, 2014, 121, 149-156.	6.4	42
12	Density, Viscosity, Surface Tension, and Refractive Index for Binary Mixtures of 1,3-Dimethyladamantane with Four C10 Alkanes. Journal of Chemical & Engineering Data, 2014, 59, 775-783.	1.9	39
13	Methacrylated Hyperbranched Polyglycerol as a High-Efficiency Demulsifier for Oil-in-Water Emulsions. Energy & Fuels, 2016, 30, 9939-9946.	5.1	38
14	Densities and Viscosities of Binary Mixtures of JP-10 with n-Octane or n-Decane at Several Temperatures. Journal of Chemical & Engineering Data, 2008, 53, 2237-2240.	1.9	37
15	Extraction of Aromatics from Hydrocarbon Fuels Using N-Alkyl Piperazinium-Based Ionic Liquids. Energy & Fuels, 2012, 26, 2154-2160.	5.1	36
16	Triethylamine as an initiator for cracking of heptane. Energy, 2006, 31, 2773-2790.	8.8	35
17	Novel Guanidinium-Based Ionic Liquids for Highly Efficient SO₂ Capture. Journal of Physical Chemistry B, 2015, 119, 8054-8062.	2.6	35
18	Effect of triethylamine on the cracking of heptane under a supercritical condition and the kinetic study on the cracking of heptane. Energy Conversion and Management, 2008, 49, 2095-2099.	9.2	33

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19	Densities and Viscosities of Binary Mixtures of exo-Tetrahydrodicyclopentadiene with N-Undecane or N-Tetradecane at T = (293.15 to 313.15) K. Journal of Chemical & Engineering Data, 2010, 55, 4108-4113.	1.9	33
20	Study on volatility and flash point of the pseudo-binary mixtures of sunflowerseed-based biodiesel+ethanol. Journal of Hazardous Materials, 2009, 167, 625-629.	12.4	32
21	A novel well-dispersed nano-Ni catalyst for endothermic reaction of JP-10. Fuel, 2014, 117, 932-938.	6.4	32
22	Excess molar volume along with viscosity, refractive index and relative permittivity for binary mixtures of exo -tetrahydrodicyclopentadiene with four octane isomers. Journal of Chemical Thermodynamics, 2015, 81, 26-33.	2.0	31
23	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol. Journal of Chemical & Engineering Data, 2016, 61, 1023-1031.	1.9	29
24	Density, Viscosity, Refractive Index, and Freezing Point for Binary Mixtures of 1,1â€²-Bicyclohexyl with Alkylcyclohexane. Journal of Chemical & Engineering Data, 2014, 59, 2499-2504.	1.9	28
25	Spectroscopic studies on thermal-oxidation stability of hydrocarbon fuels. Fuel, 2008, 87, 3286-3291.	6.4	27
26	Densities and Viscosities for Binary Mixtures of the Ionic Liquid N-Ethyl Piperazinium Propionate with n-Alcohols at Several Temperatures. Journal of Chemical & Engineering Data, 2012, 57, 937-942.	1.9	27
27	Tributylamine as an initiator for cracking of heptane. Energy Conversion and Management, 2008, 49, 1584-1594.	9.2	25
28	Densities, Viscosities, and Refractive Indices of Binary Mixtures of 1,2,3,4-Tetrahydronaphthalene with Some n-Alkanes at T = (293.15 to 313.15) K. Journal of Chemical & Engineering Data, 2012, 57, 3278-3282.	1.9	24
29	Densities and Viscosities of Binary Mixtures of 2-Ethyl-1,1,3,3-tetramethylguanidinium Ionic Liquids with Ethanol and 1-Propanol. Journal of Chemical & Engineering Data, 2015, 60, 2618-2628.	1.9	24
30	Hyperbranched Poly(amidoamine) as an Efficient Macroinitiator for Thermal Cracking and Heat-Sink Enhancement of Hydrocarbon Fuels. Energy & Fuels, 2017, 31, 6848-6855.	5.1	24
31	Thermal Decomposition Kinetics and Mechanism of 1,1â€²-Bicyclohexyl. Energy & Fuels, 2014, 28, 4523-4531.	5.1	22
32	Density, Viscosity, and Vapor Pressure for Binary Mixtures of Tricyclo [5.2.1.0^{2.6}] Decane and Diethyl Carbonate. Journal of Chemical & Engineering Data, 2009, 54, 1865-1870.	1.9	21
33	Resorcinarene-encapsulated Niâ€“B nano-amorphous alloys for quasi-homogeneous catalytic cracking of JP-10. Applied Catalysis A: General, 2014, 469, 213-220.	4.3	21
34	Thermal cracking of jet propellant-10 with the addition of a core-shell macroinitiator. Fuel, 2019, 254, 115667.	6.4	21
35	Thermal Stability and Decomposition Kinetics of 1,3-Dimethyladamantane. Energy & Fuels, 2014, 28, 6210-6220.	5.1	20
36	Density, Viscosity, and Freezing Point for Four Binary Systems of n-Dodecane or Methylcyclohexane Mixed with 1-Heptanol or Cyclohexylmethanol. Journal of Chemical & Engineering Data, 2017, 62, 643-652.	1.9	20

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37	Investigations on the thermal decomposition of JP-10/ iso -octane binary mixtures. Fuel, 2016, 163, 148-156.	6.4	19
38	Densities and Viscosities of exo-Tetrahydrodicyclopentadiene + n-Butanol and exo-Tetrahydrodicyclopentadiene + n-Pentanol at Temperatures of (293.15 to 313.15) K. Journal of Chemical & Engineering Data, 2010, 55, 1049-1052.	1.9	18
39	Amphiphilic hyperbranched polyethyleneimine for highly efficient oilâ€“water separation. Journal of Materials Chemistry A, 2020, 8, 2412-2423.	10.3	17
40	New Strategy for High-Performance Integrated Catalysts for Cracking Hydrocarbon Fuels. ACS Applied Materials & Interfaces, 2019, 11, 40078-40090.	8.0	16
41	Volumetric and Viscous Properties at Several Temperatures for Binary Mixtures of N-Methylpiperazine with Methylcyclohexane or n-Heptane. Journal of Chemical & Engineering Data, 2010, 55, 2914-2916.	1.9	15
42	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K. Journal of Chemical & Engineering Data, 2018, 63, 4052-4060.	1.9	15
43	Influence of Reduction Kinetics on the Preparation of Well-Defined Cubic Palladium Nanocrystals. Inorganic Chemistry, 2018, 57, 8128-8136.	4.0	15
44	A polyester-based initiation strategy for achieving high-efficient cracking of hydrocarbon fuels. Chemical Engineering Journal, 2021, 425, 128059.	12.7	15
45	Thermal stability characterization of n-alkanes from determination of produced aromatics. Journal of Analytical and Applied Pyrolysis, 2013, 104, 593-602.	5.5	14
46	Hyperbranched polyglycerol/poly(acrylic acid) hydrogel for the efficient removal of methyl violet from aqueous solutions. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
47	Density and Viscosity of Ternary Mixture of Cyclopentanol + exo-Tetrahydrodicyclopentadiene + 1,3-Dimethyladamantane. Journal of Chemical & Engineering Data, 2019, 64, 2558-2567.	1.9	14
48	Strategically designed macromolecules as additives for high energy-density hydrocarbon fuels. Fuel, 2020, 270, 117433.	6.4	14
49	Measurement of Bubble-Point Vapor Pressure for Systems of JP-10 with Ethanol. Energy & Fuels, 2007, 21, 1048-1051.	5.1	13
50	Cracking of platinum/hydrocarbon nanofluids with hyperbranched polymer as stabilizer and initiator. Fuel, 2019, 255, 115782.	6.4	13
51	Deep insights into the growth pattern of palladium nanocubes with controllable sizes. RSC Advances, 2016, 6, 66048-66055.	3.6	12
52	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15â€“343.15 K. Journal of Chemical & Engineering Data, 2017, 62, 2330-2339.	1.9	12
53	Modified Hyperbranched Polyglycerol as Dispersant for Size Control and Stabilization of Gold Nanoparticles in Hydrocarbons. Nanoscale Research Letters, 2017, 12, 525.	5.7	12
54	Solubilization of the macroinitiator palmitoyl modified hyperbranched polyglycerol (PHPG) in hydrocarbon fuels. Fuel, 2017, 200, 62-69.	6.4	11

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55	Highly stable macroinitiator/platinum/hydrocarbon nanofluids for efficient thermal management in hypersonic aircraft from synergistic catalysis. Energy Conversion and Management, 2019, 198, 111797.	9.2	11
56	Densities and Viscosities for the Ternary System of Decalin + Methylcyclohexane + Cyclopentanol and Corresponding Binaries at T = 293.15 to 343.15 K. Journal of Chemical & Engineering Data, 2019, 64, 1414-1424.	1.9	11
57	Measurements on Vapor Pressure and Thermal Conductivity for Pseudo-binary Systems of a Hydrocarbon Fuel with Ethylene and Diethylene Glycol Dimethyl Ethers. Energy & Fuels, 2009, 23, 794-798.	5.1	10
58	Density and Viscosity Measurements on the Ternary System of exo-Tetrahydrodicyclopentadiene (1) + n-Decane (2) + Iso-Butanol (3) and Corresponding Binary Systems. Journal of Chemical & Engineering Data, 2020, 65, 2527-2539.	1.9	10
59	A sulfur-rich segmental hyperbranched polymer as a coking inhibitor for endothermic hydrocarbon fuels. Fuel, 2021, 287, 119477.	6.4	9
60	Densities and Viscosities for the Ternary Mixtures of exo-Tetrahydrodicyclopentadiene (1) + Isopropylcyclohexane (2) + Methyl Laurate (3) and Corresponding Binaries. Journal of Chemical & Engineering Data, 2019, 64, 4013-4023.	1.9	8
61	Density and Viscosity of the Ternary System Pinane + n-Dodecane + Methyl Laurate and Corresponding Binary Systems at T = 293.15â€“333.15 K. Journal of Chemical & Engineering Data, 2021, 66, 2706-2716.	1.9	8
62	Densities and viscosities for the ternary system of cyclopropanemethanol (1) + 2, 2, 4-trimethylpentane (2) + decalin (3) and corresponding binaries at T = 293.15â€“323.15 K. Physics and Chemistry of Liquids, 2019, 57, 491-503.	1.2	7
63	Densities and Viscosities for the Ternary System of Isopropylcyclohexane (1) + n-Tridecane (2) + n-Butanol (3) and Corresponding Binaries at T = 293.15 to 333.15 K. Journal of Chemical & Engineering Data, 2020, 65, 3977-3987.	1.9	7
64	Densities and Viscosities for the Ternary System of 1,2,3,4-Tetrahydronaphthalene + Isopropylcyclohexane + Cyclopropanemethanol and Corresponding Binaries at T = (293.15 to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	5
65	Densities and Viscosities for the Ternary Mixture of n-Undecane (1) + Methyl Decanoate (2) + n-Butanol (3) and Corresponding Binaries from T = 293.15 to 333.15 K and at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2021, 66, 3834-3843.	1.9	5
66	The pyrolysis kinetics and heat exchange performance of biomass hydrocarbon pinane. Fuel, 2022, 317, 123453.	6.4	5
67	Unveiling the Influence of Inherent Parameters of AgPt and AgPtAu Octahedra upon Formic Acid Electrooxidation. Journal of Physical Chemistry C, 2021, 125, 16984-16994.	3.1	4
68	Control of Reduction Kinetics to Form Palladium Nanocubes Enables Tunable Concavity. Chemistry of Materials, 2020, 32, 4591-4599.	6.7	4
69	Densities and Viscosities of the Ternary System exo-Tetrahydrodicyclopentadiene (1) + n-Decane (2) + 1,2,3,4-Tetrahydronaphthalene (3) and the Corresponding Binary Systems at T = (293.15â€“333.15) K. Journal of Chemical & Engineering Data, 2021, 66, 1665-1675.	1.9	3
70	All-Silicon Zeolite Supported Pt Nanoparticles for Green On-Board Inert Gas Generation System. Combustion Science and Technology, 2021, 193, 2009-2022.	2.3	3
71	Mechanistic study on oxidative degradation and deposition of exo-tetrahydrodicyclopentadiene. Fuel, 2022, 317, 123533.	6.4	3
72	PdAgPt Corner-Satellite Nanocrystals in Well-Controlled Morphologies and the Structure-Related Electrocatalytic Properties. Nanomaterials, 2021, 11, 340.	4.1	2

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73	Densities and Viscosities for the Ternary System of exo-Tetrahydrodicyclopentadiene (1) + Methylcyclohexane (2) + Cyclopropanemethanol (3) and Its Binaries at T = 293.15 to 333.15 K. Journal of Chemical & Engineering Data, 2018, 63, 3534-3544.	1.9	1
74	Thermal decomposition behaviors of an amphiphilic macroinitiator DSHPG for hydrocarbon fuel. Chemical Thermodynamics and Thermal Analysis, 2022, 6, 100047.	1.5	0