

Yongsheng Guo

List of Publications by Year in descending order

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74
papers

1,751
citations

236612

25
h-index

329751

37
g-index

74
all docs

74
docs citations

74
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Well-Dispersed Silver Nanoparticles for Oil-Based Nanofluids. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1697-1702.	1.8	111
2	Thermal Cracking of JP-10 under Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 10034-10040.	1.8	80
3	Piperazinium-Based Ionic Liquids with Lactate Anion for Extractive Desulfurization of Fuels. <i>Energy & Fuels</i> , 2014, 28, 1774-1780.	2.5	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. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 3078-3086.	1.0	59
5	Density, Refractive Index, Viscosity, and Surface Tension of Binary Mixtures of <i>exo</i> -Tetrahydrocyclopentadiene with Some <i>n</i> -Alkanes from (293.15 to 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4268-4273.	1.0	57
6	Coking of Model Hydrocarbon Fuels under Supercritical Condition. <i>Energy & Fuels</i> , 2009, 23, 2997-3001.	2.5	53
7	Density, Viscosity, and Conductivity of Binary Mixtures of the Ionic Liquid <i>N</i> -(2-Hydroxyethyl)piperazinium Propionate with Water, Methanol, or Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 455-463.	1.0	51
8	Excess Molar Volume along with Viscosity, Flash Point, and Refractive Index for Binary Mixtures of <i>cis</i> -Decalin or <i>trans</i> -Decalin with C ₉ to C ₁₁ <i>n</i> -Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2224-2232.	1.0	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. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2541-2548.	1.0	47
10	Density, Viscosity, Refractive Index, and Surface Tension for Six Binary Systems of Adamantane Derivatives with 1-Heptanol and Cyclohexylmethanol. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2602-2613.	1.0	43
11	Heat-sink enhancement of decalin and aviation kerosene prepared as nanofluids with palladium nanoparticles. <i>Fuel</i> , 2014, 121, 149-156.	3.4	42
12	Density, Viscosity, Surface Tension, and Refractive Index for Binary Mixtures of 1,3-Dimethyladamantane with Four C ₁₀ Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 775-783.	1.0	39
13	Methacrylated Hyperbranched Polyglycerol as a High-Efficiency Demulsifier for Oil-in-Water Emulsions. <i>Energy & Fuels</i> , 2016, 30, 9939-9946.	2.5	38
14	Densities and Viscosities of Binary Mixtures of JP-10 with <i>n</i> -Octane or <i>n</i> -Decane at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2237-2240.	1.0	37
15	Extraction of Aromatics from Hydrocarbon Fuels Using <i>N</i> -Alkyl Piperazinium-Based Ionic Liquids. <i>Energy & Fuels</i> , 2012, 26, 2154-2160.	2.5	36
16	Triethylamine as an initiator for cracking of heptane. <i>Energy</i> , 2006, 31, 2773-2790.	4.5	35
17	Novel Guanidinium-Based Ionic Liquids for Highly Efficient SO ₂ Capture. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8054-8062.	1.2	35
18	Effect of triethylamine on the cracking of heptane under a supercritical condition and the kinetic study on the cracking of heptane. <i>Energy Conversion and Management</i> , 2008, 49, 2095-2099.	4.4	33

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19	Densities and Viscosities of Binary Mixtures of <i>exo</i> -Tetrahydrodicyclopentadiene with <i>n</i> -Undecane or <i>n</i> -Tetradecane at <i>T</i> = (293.15 to 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4108-4113.	1.0	33
20	Study on volatility and flash point of the pseudo-binary mixtures of sunflowerseed-based biodiesel+ethanol. <i>Journal of Hazardous Materials</i> , 2009, 167, 625-629.	6.5	32
21	A novel well-dispersed nano-Ni catalyst for endothermic reaction of JP-10. <i>Fuel</i> , 2014, 117, 932-938.	3.4	32
22	Excess molar volume along with viscosity, refractive index and relative permittivity for binary mixtures of <i>exo</i> -tetrahydrodicyclopentadiene with four octane isomers. <i>Journal of Chemical Thermodynamics</i> , 2015, 81, 26-33.	1.0	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. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1023-1031.	1.0	29
24	Density, Viscosity, Refractive Index, and Freezing Point for Binary Mixtures of 1,1'-Bicyclohexyl with Alkylcyclohexane. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2499-2504.	1.0	28
25	Spectroscopic studies on thermal-oxidation stability of hydrocarbon fuels. <i>Fuel</i> , 2008, 87, 3286-3291.	3.4	27
26	Densities and Viscosities for Binary Mixtures of the Ionic Liquid <i>n</i> -Ethyl Piperazinium Propionate with <i>n</i> -Alcohols at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 937-942.	1.0	27
27	Tributylamine as an initiator for cracking of heptane. <i>Energy Conversion and Management</i> , 2008, 49, 1584-1594.	4.4	25
28	Densities, Viscosities, and Refractive Indices of Binary Mixtures of 1,2,3,4-Tetrahydronaphthalene with Some <i>n</i> -Alkanes at <i>T</i> = (293.15 to 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3278-3282.	1.0	24
29	Densities and Viscosities of Binary Mixtures of 2-Ethyl-1,1,3,3-tetramethylguanidinium Ionic Liquids with Ethanol and 1-Propanol. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2618-2628.	1.0	24
30	Hyperbranched Poly(amidoamine) as an Efficient Macroinitiator for Thermal Cracking and Heat-Sink Enhancement of Hydrocarbon Fuels. <i>Energy & Fuels</i> , 2017, 31, 6848-6855.	2.5	24
31	Thermal Decomposition Kinetics and Mechanism of 1,1'-Bicyclohexyl. <i>Energy & Fuels</i> , 2014, 28, 4523-4531.	2.5	22
32	Density, Viscosity, and Vapor Pressure for Binary Mixtures of Tricyclo [5.2.1.0 ^{2.6}] Decane and Diethyl Carbonate. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1865-1870.	1.0	21
33	Resorcinarene-encapsulated Ni ^B nano-amorphous alloys for quasi-homogeneous catalytic cracking of JP-10. <i>Applied Catalysis A: General</i> , 2014, 469, 213-220.	2.2	21
34	Thermal cracking of jet propellant-10 with the addition of a core-shell macroinitiator. <i>Fuel</i> , 2019, 254, 115667.	3.4	21
35	Thermal Stability and Decomposition Kinetics of 1,3-Dimethyladamantane. <i>Energy & Fuels</i> , 2014, 28, 6210-6220.	2.5	20
36	Density, Viscosity, and Freezing Point for Four Binary Systems of <i>n</i> -Dodecane or Methylcyclohexane Mixed with 1-Heptanol or Cyclohexylmethanol. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 643-652.	1.0	20

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37	Investigations on the thermal decomposition of JP-10/ iso -octane binary mixtures. <i>Fuel</i> , 2016, 163, 148-156.	3.4	19
38	Densities and Viscosities of <i>exo</i> -Tetrahydrodicyclopentadiene + <i>n</i> -Butanol and <i>exo</i> -Tetrahydrodicyclopentadiene + <i>n</i> -Pentanol at Temperatures of (293.15 to 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1049-1052.	1.0	18
39	Amphiphilic hyperbranched polyethyleneimine for highly efficient oil/water separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2412-2423.	5.2	17
40	New Strategy for High-Performance Integrated Catalysts for Cracking Hydrocarbon Fuels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40078-40090.	4.0	16
41	Volumetric and Viscous Properties at Several Temperatures for Binary Mixtures of <i>N</i> -Methylpiperazine with Methylcyclohexane or <i>n</i> -Heptane. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 2914-2916.	1.0	15
42	Densities and Viscosities of Ternary System <i>n</i> -Dodecane (1) + Bicyclohexyl (2) + <i>n</i> -Butanol (3) and Corresponding Binaries at $T = (293.15 \text{ to } 333.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 4052-4060.	1.0	15
43	Influence of Reduction Kinetics on the Preparation of Well-Defined Cubic Palladium Nanocrystals. <i>Inorganic Chemistry</i> , 2018, 57, 8128-8136.	1.9	15
44	A polyester-based initiation strategy for achieving high-efficient cracking of hydrocarbon fuels. <i>Chemical Engineering Journal</i> , 2021, 425, 128059.	6.6	15
45	Thermal stability characterization of n-alkanes from determination of produced aromatics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 593-602.	2.6	14
46	Hyperbranched polyglycerol/poly(acrylic acid) hydrogel for the efficient removal of methyl violet from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	14
47	Density and Viscosity of Ternary Mixture of Cyclopentanol + <i>exo</i> -Tetrahydrodicyclopentadiene + 1,3-Dimethyladamantane. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2558-2567.	1.0	14
48	Strategically designed macromolecules as additives for high energy-density hydrocarbon fuels. <i>Fuel</i> , 2020, 270, 117433.	3.4	14
49	Measurement of Bubble-Point Vapor Pressure for Systems of JP-10 with Ethanol. <i>Energy & Fuels</i> , 2007, 21, 1048-1051.	2.5	13
50	Cracking of platinum/hydrocarbon nanofluids with hyperbranched polymer as stabilizer and initiator. <i>Fuel</i> , 2019, 255, 115782.	3.4	13
51	Deep insights into the growth pattern of palladium nanocubes with controllable sizes. <i>RSC Advances</i> , 2016, 6, 66048-66055.	1.7	12
52	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + <i>n</i> -Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at $T = 293.15 \text{--} 343.15 \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2330-2339.	1.0	12
53	Modified Hyperbranched Polyglycerol as Dispersant for Size Control and Stabilization of Gold Nanoparticles in Hydrocarbons. <i>Nanoscale Research Letters</i> , 2017, 12, 525.	3.1	12
54	Solubilization of the macroinitiator palmitoyl modified hyperbranched polyglycerol (PHPG) in hydrocarbon fuels. <i>Fuel</i> , 2017, 200, 62-69.	3.4	11

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55	Highly stable macroinitiator/platinum/hydrocarbon nanofluids for efficient thermal management in hypersonic aircraft from synergistic catalysis. <i>Energy Conversion and Management</i> , 2019, 198, 111797.	4.4	11
56	Densities and Viscosities for the Ternary System of Decalin + Methylcyclohexane + Cyclopentanol and Corresponding Binaries at $T = 293.15$ to 343.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1414-1424.	1.0	11
57	Measurements on Vapor Pressure and Thermal Conductivity for Pseudo-binary Systems of a Hydrocarbon Fuel with Ethylene and Diethylene Glycol Dimethyl Ethers. <i>Energy & Fuels</i> , 2009, 23, 794-798.	2.5	10
58	Density and Viscosity Measurements on the Ternary System of <i>exo</i> -Tetrahydrodicyclopentadiene (1) + <i>n</i> -Decane (2) + Iso-Butanol (3) and Corresponding Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2527-2539.	1.0	10
59	A sulfur-rich segmental hyperbranched polymer as a coking inhibitor for endothermic hydrocarbon fuels. <i>Fuel</i> , 2021, 287, 119477.	3.4	9
60	Densities and Viscosities for the Ternary Mixtures of <i>exo</i> -Tetrahydrodicyclopentadiene (1) + Isopropylcyclohexane (2) + Methyl Laurate (3) and Corresponding Binaries. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4013-4023.	1.0	8
61	Density and Viscosity of the Ternary System Pinane + <i>n</i> -Dodecane + Methyl Laurate and Corresponding Binary Systems at $T = 293.15$ – 333.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 2706-2716.	1.0	8
62	Densities and viscosities for the ternary system of cyclopropanemethanol (1) + 2, 2, 4-trimethylpentane (2) + decalin (3) and corresponding binaries at $T = 293.15$ – 323.15 K. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 491-503.	0.4	7
63	Densities and Viscosities for the Ternary System of Isopropylcyclohexane (1) + <i>n</i> -Tridecane (2) + <i>n</i> -Butanol (3) and Corresponding Binaries at $T = 293.15$ to 333.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3977-3987.	1.0	7
64	Densities and Viscosities for the Ternary System of 1,2,3,4-Tetrahydronaphthalene + Isopropylcyclohexane + Cyclopropanemethanol and Corresponding Binaries at $T = (293.15 \text{ to } T_{jETQ000} / \text{Overlap } 10 \text{ Tf})$	1.0	5
65	Densities and Viscosities for the Ternary Mixture of <i>n</i> -Undecane (1) + Methyl Decanoate (2) + <i>n</i> -Butanol (3) and Corresponding Binaries from $T = 293.15$ to 333.15 K and at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 3834-3843.	1.0	5
66	The pyrolysis kinetics and heat exchange performance of biomass hydrocarbon pinane. <i>Fuel</i> , 2022, 317, 123453.	3.4	5
67	Unveiling the Influence of Inherent Parameters of AgPt and AgPtAu Octahedra upon Formic Acid Electrooxidation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16984-16994.	1.5	4
68	Control of Reduction Kinetics to Form Palladium Nanocubes Enables Tunable Concavity. <i>Chemistry of Materials</i> , 2020, 32, 4591-4599.	3.2	4
69	Densities and Viscosities of the Ternary System <i>exo</i> -Tetrahydrodicyclopentadiene (1) + <i>n</i> -Decane (2) + 1,2,3,4-Tetrahydronaphthalene (3) and the Corresponding Binary Systems at $T = (293.15$ – $333.15)$ K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 1665-1675.	1.0	3
70	All-Silicon Zeolite Supported Pt Nanoparticles for Green On-Board Inert Gas Generation System. <i>Combustion Science and Technology</i> , 2021, 193, 2009-2022.	1.2	3
71	Mechanistic study on oxidative degradation and deposition of <i>exo</i> -tetrahydrodicyclopentadiene. <i>Fuel</i> , 2022, 317, 123533.	3.4	3
72	PdAgPt Corner-Satellite Nanocrystals in Well-Controlled Morphologies and the Structure-Related Electrocatalytic Properties. <i>Nanomaterials</i> , 2021, 11, 340.	1.9	2

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73	Densities and Viscosities for the Ternary System of <i>exo</i> -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.	1.0	1
74	Thermal decomposition behaviors of an amphiphilic macroinitiator DSHPG for hydrocarbon fuel. Chemical Thermodynamics and Thermal Analysis, 2022, 6, 100047.	0.7	0