Tang Xiaodong

List of Publications by Year
in descending order

41 papers	721 citations	623734 14 h-index	552781 26 g-index
41 all docs	41 docs citations	41 times ranked	592 citing authors

#	Article	IF	Citations
1	Green Carboxylic Acid-Based Deep Eutectic Solvents as Solvents for Extractive Desulfurization. Energy & Fuels, 2016, 30, 5411-5418.	5.1	131
2	Extremely efficient and rapidly adsorb methylene blue using porous adsorbent prepared from waste paper: Kinetics and equilibrium studies. Journal of Hazardous Materials, 2021, 402, 123579.	12.4	94
3	Deep Extractive Desulfurization with Arenium Ion Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2015, 54, 4625-4632.	3.7	93
4	Acid Dicationic Ionic Liquids as Extractants for Extractive Desulfurization. Energy & Fuels, 2019, 33, 4079-4088.	5.1	44
5	Deep desulfurization of condensate gasoline by electrochemical oxidation and solvent extraction. RSC Advances, 2015, 5, 53455-53461.	3.6	28
6	Liquidâ€“Liquid Equilibria for the Systems: Heptane + Benzene + Solvent (Propylene carbonate,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Chemical & Engineering Data, 2014, 59, 3307-3313.	1.9	22
7	Effect of Transition Metal Polymers with Varying Side Alkyl Chain on Viscosity Reduction of Crude Oil and Aggregation Behavior of Asphaltene. Energy & Fuels, 2015, 29, 7771-7780.	5.1	21
8	Stable graphene oxide-halloysite composite membrane with enhanced permeability for efficient dye desalination. Separation and Purification Technology, 2021, 266, 118067.	7.9	21
9	One-step synthesis of carbon quantum dot-carbon nanotube composites on waste eggshell-derived catalysts for enhanced adsorption of methylene blue. Journal of Environmental Chemical Engineering, 2021, 9, 106222.	6.7	21
10	Viscosity reduction process of heavy oil by catalytic co-pyrolysis with sawdust. Journal of Analytical and Applied Pyrolysis, 2019, 140, 444-451.	5.5	18
11	Upgrading of heavy oil by thermal treatment in the presence of alkali-treated Fe/ZSM-5, glycerol, and biomass. Fuel Processing Technology, 2019, 188, 137-145.	7.2	17
12	Methane sulfonic acid ionic liquid extraction of gasoline desulfurization process and enhancement of microchannel technology. Chemical Engineering Science, 2021, 242, 116753.	3.8	17
13	Adsorptive desulfurization of dibenzothiophene over lignin-derived biochar by one-step modification with potassium hydrogen phthalate. RSC Advances, 2016, 6, 100352-100360.	3.6	16
14	Deep Desulfurization of Kerosene by Electrochemical Oxidation Generating Na₂FeO₄. Energy & Fuels, 2016, 30, 8091-8097.	5.1	15
15	Melting-type acidic quaternary ammonium ionic liquids as catalysts for alkylation desulfurization of FCC gasoline. Catalysis Communications, 2020, 138, 105873.	3.3	14
16	Upgrading heavy and extra-heavy crude oil for transportation by use an iron oil-soluble catalyst. Petroleum Science and Technology, 2017, 35, 1203-1208.	1.5	13
17	Experimental study on a biomass-based catalyst for catalytic upgrading and viscosity reduction of heavy oil. Journal of Analytical and Applied Pyrolysis, 2019, 143, 104684.	5.5	12
18	Quartz sand proppant loaded with Ni and Mo for in-situ aquathermolysis of heavy oil. Fuel, 2021, 306, 121653.	6.4	12

#	Article	IF	Citations
19	Alkylation desulfurization of FCC gasoline catalyzed by pyridine ionic liquid. Journal of Fuel Chemistry and Technology, 2015, 43, 442-448.	2.0	11
20	Imidazole-methane sulfonic ionic liquids used for catalytic alkylation desulfurization and enhancement of microchannel technology. Chemical Engineering Journal, 2022, 446, 137472.	12.7	11
21	Deep desulfurization of FCC gasoline by extraction with dicarboxylic acid-based deep eutectic solvents. Petroleum Science and Technology, 2017, 35, 1903-1909.	1.5	9
22	Synergistic Catalysis of Thermoregulated Ionic Liquid/p-Toluenesulfonic Acid for Alkylation Desulfurization of Fluid Catalytic Cracking Gasoline. Industrial & Engineering Chemistry Research, 2020, 59, 10338-10347.	3.7	9
23	Catalytic effect of in-situ preparation of copper oxide nanoparticles on the heavy oil low-temperature oxidation process in air injection recovery. Petroleum Science and Technology, 2017, 35, 1321-1326.	1.5	8
24	Preparation of activated carbon from eupatorium adenophorum for application in the desulfurization of model gasoline. Petroleum Science and Technology, 2018, 36, 1703-1709.	1.5	7
25	Experimental study on deep desulfurization of MTBE by electrochemical oxidation and distillation. RSC Advances, 2016, 6, 4803-4809.	3.6	6
26	Deep desulfurization of kerosene by electrochemical oxidation and extraction in Mn²⁺/Mn³⁺ electrolyte. Petroleum Science and Technology, 2018, 36, 500-506.	1.5	6
27	One-step preparation of Cu/BC catalyzed the upgrading of heavy oil assisted by microwave. Journal of Petroleum Science and Engineering, 2022, 208, 109683.	4.2	6
28	Adsorption desulfurization performance and mechanism over nanocrystalline NiO/Al2O3-1 adsorbent. Russian Journal of Applied Chemistry, 2016, 89, 2043-2049.	0.5	5
29	Kinetics of desulfurization by electrochemical oxidation in an emulsifying electrolyte. Petroleum Science and Technology, 2017, 35, 1240-1246.	1.5	5
30	Thermocatalytic upgrading and viscosity reduction of heavy oil using copper oxide nanoparticles. Petroleum Science and Technology, 2020, 38, 891-903.	1.5	5
31	Effect of Fe nanoparticle-loaded sawdust carbon on catalytic pyrolysis of heavy oil. Korean Journal of Chemical Engineering, 2022, 39, 1078-1085.	2.7	5
32	Deep desulfurization of gasoline by electrochemical oxidationâ€“distillation. Petroleum Science and Technology, 2016, 34, 442-448.	1.5	3
33	Catalytic effect of zinc naphthenate on the heavy oil low-temperature oxidation in an air injection process. Petroleum Science and Technology, 2016, 34, 813-818.	1.5	3
34	A novel method of preparation-adsorption desulfurization process for dibenzothiophene over sawdust-derived nickel/activated carbon. Petroleum Science and Technology, 2018, 36, 456-462.	1.5	3
35	Upgrading heavy and extra-heavy crude oil by iron oil-soluble catalyst for transportation. Petroleum Science and Technology, 2017, 35, 1160-1165.	1.5	2
36	In situ electrochemical oxidation-distillation desulfurization of gasoline with electrogenerated dichromate. Petroleum Science and Technology, 2020, 38, 723-730.	1.5	2

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37	Synthesis of sawdust carbon supported nickel nanoparticles and its application in upgrading heavy crude oil. Petroleum Science and Technology, 0, , 1-17.	1.5	2
38	The effect of low-temperature oxidation in air-assisted steam flooding process for enhancing oil recovery. Petroleum Science and Technology, 2017, 35, 1247-1252.	1.5	1
39	Alkylation desulfurization of FCC gasoline catalyzed by glycerol-based solid acid catalyst. Petroleum Science and Technology, 2018, 36, 463-468.	1.5	1
40	Application of BP neural network to prediction of recovery effect of air-foam flooding in heavy oil. Petroleum Science and Technology, 0, , 1-11.	1.5	1
41	Catalytic Effects of Fe3O4/GLC Nanocomposites for Pyrolysis of Heavy Oil. Petroleum Chemistry, 2022, 62, 610-620.	1.4	1