

Reyad A Shawabkeh

List of Publications by Year in descending order

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174
papers

6,106
citations

81839

39
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91828

69
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175
all docs

175
docs citations

175
times ranked

6416
citing authors

#	ARTICLE	IF	CITATIONS
1	Land Vulnerability, Risk Zoning, and Ecological Protection in the Protection Forest of Pagaibamba (Peru). <i>Forests</i> , 2022, 13, 436.	0.9	2
2	Insights on novel type V deep eutectic solvents based on levulinic acid. <i>Journal of Chemical Physics</i> , 2022, 156, 094504.	1.2	11
3	Molecular dynamics of CH_4 / CO_2 on calcite for enhancing gas recovery. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 3184-3195.	0.9	2
4	CO ₂ enhanced gas recovery and sequestration in depleted gas reservoirs: A review. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107685.	2.1	125
5	Impact of clays on CO ₂ adsorption and enhanced gas recovery in sandstone reservoirs. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103286.	2.3	15
6	Theoretical studies of methane adsorption on Silica-Kaolinite interface for shale reservoir application. <i>Applied Surface Science</i> , 2021, 546, 149164.	3.1	23
7	Utilization of Desulfurized Diesel in Domestic Boiler. , 2021, , .		0
8	Review and Perspectives for Effective Solutions to Grand Challenges of Energy and Fuels Technologies via Novel Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2021, 35, 6402-6419.	2.5	46
9	Theoretical insights into the cineole-based deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 154, 184504.	1.2	14
10	The structure of CO ₂ and CH ₄ at the interface of a poly(urethane urea) oligomer model from the microscopic point of view. <i>Journal of Chemical Physics</i> , 2021, 155, 044704.	1.2	3
11	Forecasting Air Pollution with Sulfur Dioxide Emitted from Burning Desulfurized Diesel Using Artificial Neural Network. <i>Ecological Engineering and Environmental Technology</i> , 2021, 22, 97-102.	0.3	0
12	Ab-Initio Molecular Dynamics investigation of gas adsorption on α -quartz (001) for CO ₂ enhanced natural gas recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108963.	2.1	2
13	Nanoscope study on carvone-terpene based natural deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 224702.	1.2	11
14	Nanostructuring and macroscopic behavior of type V deep eutectic solvents based on monoterpenoids. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 512-531.	1.3	28
15	Cu-K/Al ₂ O ₃ based catalysts for conversion of carbon dioxide to methane and carbon monoxide. <i>Chemical Engineering Communications</i> , 2020, 207, 946-960.	1.5	2
16	A theoretical study of gas adsorption on calcite for CO ₂ enhanced natural gas recovery. <i>Applied Surface Science</i> , 2020, 504, 144575.	3.1	28
17	Evaluating the effect of using micronised barite on the properties of water-based drilling fluids. <i>International Journal of Oil, Gas and Coal Technology</i> , 2020, 25, 1.	0.1	5
18	Behavior of Antibiotics in Natural Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4669-4683.	1.0	9

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19	Ab Initio Molecular Dynamics Investigation of CH ₄ /CO ₂ Adsorption on Calcite: Improving the Enhanced Gas Recovery Process. ACS Omega, 2020, 5, 30226-30236.	1.6	6
20	Effect of Hydrogen Bond Donors and Acceptors on CO ₂ Absorption by Deep Eutectic Solvents. Processes, 2020, 8, 1533.	1.3	46
21	Long-Term Effects of the Application of Urban Waste Compost and Other Organic Amendments on Solanum tuberosum L.. Agronomy, 2020, 10, 1575.	1.3	7
22	BET, FTIR, and RAMAN characterizations of activated carbon from wasteoil fly ash. Turkish Journal of Chemistry, 2020, 44, 279-295.	0.5	50
23	Insights on Betaine + Lactic Acid Deep Eutectic Solvent. Industrial & Engineering Chemistry Research, 2020, 59, 11880-11892.	1.8	21
24	Catalysis effect on CO ₂ methanation using MgH ₂ as a portable hydrogen medium. Physical Chemistry Chemical Physics, 2020, 22, 14720-14730.	1.3	7
25	Theoretical Study on Deep Eutectic Solvents as Vehicles for the Delivery of Anesthetics. Journal of Physical Chemistry B, 2020, 124, 1794-1805.	1.2	17
26	Carbon dioxide EGR and sequestration in mature and immature shale: Adsorption study. Journal of Petroleum Science and Engineering, 2020, 188, 106923.	2.1	12
27	Deep Eutectic Solvent Reline at 2D Nanomaterial Interfaces. Journal of Physical Chemistry B, 2020, 124, 1197-1206.	1.2	22
28	A theoretical study of gas adsorption on α -quartz (001) for CO ₂ enhanced natural gas recovery. Applied Surface Science, 2020, 525, 146472.	3.1	10
29	Insights on (C, BN, Si, Ge, MoS ₂) Nanotubes in Reline Deep Eutectic Solvent. Journal of Physical Chemistry B, 2020, 124, 3556-3567.	1.2	11
30	Concurrent adsorption of cationic and anionic dyes from environmental water on amine functionalized carbon. Water Science and Technology, 2020, 81, 466-478.	1.2	20
31	A Theoretical Study on Trehalose + Water Mixtures for Dry Preservation Purposes. Molecules, 2020, 25, 1435.	1.7	5
32	Fabrication of Geopolymers from Untreated Kaolin Clay for Construction Purposes. Geotechnical and Geological Engineering, 2019, 37, 129-137.	0.8	10
33	Quantum Chemistry Insight into the Interactions Between Deep Eutectic Solvents and SO ₂ . Molecules, 2019, 24, 2963.	1.7	36
34	Effect of rock mineralogy on Hot-CO ₂ injection for enhanced gas recovery. Journal of Natural Gas Science and Engineering, 2019, 72, 103030.	2.1	19
35	Theoretical Insights into CO ₂ Adsorption by MoS ₂ Nanomaterials. Journal of Physical Chemistry C, 2019, 123, 26338-26350.	1.5	18
36	Design of arginine-based therapeutic deep eutectic solvents as drug solubilization vehicles for active pharmaceutical ingredients. Physical Chemistry Chemical Physics, 2019, 21, 10621-10634.	1.3	54

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37	Combined Experimental and Theoretical Study on High Pressure Methane Solubility in Natural Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8097-8111.	1.8	34
38	Insights into Carbon Nanotubes and Fullerenes in Molten Alkali Carbonates. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9909-9918.	1.5	3
39	Adsorption kinetics and modeling of H ₂ S by treated waste oil fly ash. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 246-257.	0.9	21
40	Assessment of Using Copper Nitrate for Scavenging Hydrogen Sulfide While Drilling Sour Horizontal Wells. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019, 141, .	1.4	5
41	Molecular Modeling Analysis of CO ₂ Absorption by Glymes. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1948-1957.	1.2	4
42	Theoretical Study of Low Viscous Ionic Liquids at the Graphene Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1645-1656.	1.5	15
43	Impact of Surfactant on the Retention of CO ₂ and Methane in Carbonate Reservoirs. <i>Energy & Fuels</i> , 2018, 32, 5355-5363.	2.5	17
44	Effect of CO ₂ adsorption on enhanced natural gas recovery and sequestration in carbonate reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 55, 575-584.	2.1	50
45	Adsorptive potential of Acacia nilotica based adsorbent for chromium(VI) from an aqueous phase. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 614-622.	1.7	28
46	Structural Elucidation of Covalent Organic Polymers (COP) and Their Linker Effect on Gas Adsorption Performance via Density Functional Theory Approach. <i>ChemistrySelect</i> , 2018, 3, 8294-8305.	0.7	6
47	New Hydrogen Sulfide Scavenger for Drilling Sour Horizontal and Multilateral Reservoirs. , 2018, , .		2
48	Molecular Dynamics Simulations of Metal Nanoparticles in Deep Eutectic Solvents. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18029-18039.	1.5	19
49	Evaluation of the Reaction Kinetics of Diethylenetriaminepentaacetic Acid Chelating Agent and a Converter with Barium Sulfate (Barite) Using a Rotating Disk Apparatus. <i>Energy & Fuels</i> , 2018, 32, 9813-9821.	2.5	18
50	Treating MTBE-contaminated water using sewage sludge-derived activated carbon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29397-29407.	2.7	9
51	Theoretical Study of Oil Desulfuration by Ammonium-Based Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2018, 32, 7497-7507.	2.5	20
52	Molecular Insights into Benzimidazole-Linked Polymer Interactions with Carbon Dioxide and Nitrogen. <i>ChemistrySelect</i> , 2018, 3, 3691-3701.	0.7	10
53	Simultaneous CO ₂ and SO ₂ capture by using ionic liquids: a theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5411-5422.	1.3	18
54	Destabilization And Treatment of Produced Water-Oil Emulsions Using Anionic Polyacrylamide. , 2017, , .		2

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55	Effect of CO ₂ Content on the Natural Gas Production from Tight Gas Sandstone Reservoirs. , 2017, , .		11
56	Fabrication of kaolin-based cement plug for CO ₂ storage wells. Applied Clay Science, 2017, 141, 81-87.	2.6	12
57	Rheological, Thermodynamic, and Gas Solubility Properties of Phenylacetic Acid-Based Deep Eutectic Solvents. Chemical Engineering and Technology, 2017, 40, 778-790.	0.9	35
58	Toward a Complete Removal of Barite (Barium Sulfate BaSO_4) Scale Using Chelating Agents and Catalysts. Arabian Journal for Science and Engineering, 2017, 42, 1667-1674.	1.7	37
59	Elucidating the Properties of Graphene-Deep Eutectic Solvents Interface. Langmuir, 2017, 33, 5154-5165.	1.6	42
60	Effect of Temperature and CO ₂ Content on the Natural Gas Production from Shale Gas Reservoirs. , 2017, , .		5
61	Insights into Glycol Ether-Alkanol Mixtures from a Combined Experimental and Theoretical Approach. Journal of Physical Chemistry B, 2017, 121, 5601-5612.	1.2	6
62	Local environment structure and dynamics of CO ₂ in the 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide and related ionic liquids. Journal of Chemical Physics, 2017, 146, 104502.	1.2	8
63	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar. Journal of Chemical & Engineering Data, 2017, 62, 1310-1317.	1.0	25
64	Behavior of Deep Eutectic Solvents under External Electric Fields: A Molecular Dynamics Approach. Journal of Physical Chemistry B, 2017, 121, 221-232.	1.2	21
65	Gas Solubility and Rheological Behavior of Natural Deep Eutectic Solvents (NADES) via Combined Experimental and Molecular Simulation Techniques. ChemistrySelect, 2017, 2, 7278-7295.	0.7	49
66	Development of novel cross-linked chitosan for the removal of anionic Congo red dye. Journal of Molecular Liquids, 2017, 244, 211-218.	2.3	110
67	Investigating the Compatibility of Enzyme with Chelating Agents for Calcium Carbonate-Filter Cake Removal. , 2017, , .		1
68	Microscopic Characterization of CO ₂ and H ₂ S Removal by Sulfolane. Energy & Fuels, 2017, 31, 9800-9813.	2.5	8
69	Surfactants Impact on CO ₂ Sequestration for Enhanced Gas Recovery and in Depleted Carbonate Reservoirs. , 2017, , .		4
70	Adsorption Role in Shale Gas Recovery and the Feasibility of CO ₂ in Shale Enhanced Gas Recovery: A Study on Shale Gas from Saudi Arabia. , 2017, , .		16
71	Synthesis of lanthanide series (La, Ce, Pr, Eu & Gd) promoted Ni/Al ₂ O ₃ catalysts for methanation of CO ₂ at low temperature under atmospheric pressure. Catalysis Communications, 2017, 100, 121-126.	1.6	65
72	Enhanced Gas Recovery (EGR) Methods and Production Enhancement Techniques for Shale & Tight Gas Reservoirs. , 2017, , .		9

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73	Single stage filter cake removal of barite weighted water based drilling fluid. Journal of Petroleum Science and Engineering, 2017, 149, 476-484.	2.1	74
74	Synthesis and characterization of Cu ²⁺ /Zn/TiO ₂ for the photocatalytic conversion of CO ₂ to methane. Environmental Technology (United Kingdom), 2017, 38, 1085-1092.	1.2	19
75	An Experimental and Kinetic Study of the Sorption of Carbon Dioxide onto Amine-Treated Oil Fly Ash. Journal of Chemistry, 2016, 2016, 1-11.	0.9	8
76	Improvement in Photovoltaic Performance of Dye Sensitized Solar Cell Using Activated Carbon-TiO ₂ Composites-Based Photoanode. IEEE Journal of Photovoltaics, 2016, 6, 1191-1195.	1.5	15
77	High performance CO ₂ filtration and sequestration by using bromomethyl benzene linked microporous networks. RSC Advances, 2016, 6, 66324-66335.	1.7	6
78	Less Corrosive, Non-Damaging Iron Sulfide Scale Remover. , 2016, , .		3
79	Properties of Dialkylcarbonate + 1-Alkanol Mixtures at the Vacuum Interface. Journal of Physical Chemistry C, 2016, 120, 29126-29134.	1.5	3
80	Insights on 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide + Ethanol Liquid Mixtures: A Molecular Dynamics Approach. Journal of Chemical & Engineering Data, 2016, 61, 2729-2737.	1.0	14
81	An experimental and thermodynamic study for conversion of CO ₂ to CO and methane over Cu-K/Al ₂ O ₃ . Journal of Environmental Chemical Engineering, 2016, 4, 2725-2735.	3.3	22
82	High-Pressure Methane, Carbon Dioxide, and Nitrogen Adsorption on Amine-Impregnated Porous Montmorillonite Nanoclays. Journal of Chemical & Engineering Data, 2016, 61, 2749-2760.	1.0	38
83	Physicochemical Insights on Alkylcarbonate-Alkanol Solutions. Journal of Physical Chemistry B, 2016, 120, 5015-5028.	1.2	12
84	Investigation of Ester- and Amide-Linker-Based Porous Organic Polymers for Carbon Dioxide Capture and Separation at Wide Temperatures and Pressures. ACS Applied Materials & Interfaces, 2016, 8, 20772-20785.	4.0	52
85	Double Salt Ionic Liquids Based on Ammonium Cations and Their Application for CO ₂ Capture. Journal of Physical Chemistry C, 2016, 120, 17829-17844.	1.5	28
86	Insights into choline chloride-phenylacetic acid deep eutectic solvent for CO ₂ absorption. RSC Advances, 2016, 6, 109201-109210.	1.7	31
87	Destabilization and Treatment of Produced Water-Oil Emulsions Using Anionic Polyacrylamide with Electrolyte of Aluminum Sulphate and Ferrous Sulphate. , 2016, , .		0
88	Synthesis of zinc oxide/titanium dioxide (ZnO/TiO ₂) nanocomposites by wet incipient wetness impregnation method and preparation of ZnO/TiO ₂ paste using poly(vinylpyrrolidone) for efficient dye-sensitized solar cells. Electrochimica Acta, 2016, 222, 473-480.	2.6	38
89	Deep Eutectic Solvents on the Surface of Face Centered Cubic Metals. Journal of Physical Chemistry C, 2016, 120, 10400-10409.	1.5	29
90	Flavonol-carbon nanostructure hybrid systems: a DFT study on the interaction mechanism and UV/Vis features. Physical Chemistry Chemical Physics, 2016, 18, 4760-4771.	1.3	7

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91	Experimental and DFT Approach on the Determination of Natural Gas Hydrate Equilibrium with the Use of Excess N ₂ and Choline Chloride Ionic Liquid as an Inhibitor. Energy & Fuels, 2016, 30, 2821-2832.	2.5	36
92	Synthesis, characterization and evaluation of porous polybenzimidazole materials for CO ₂ adsorption at high pressures. Adsorption, 2016, 22, 247-260.	1.4	15
93	Synthesis of a Ca/Na-aluminosilicate from kaolin and limestone and its use for adsorption of CO ₂ . Journal of Environmental Chemical Engineering, 2016, 4, 973-983.	3.3	25
94	Gas Hydrate Prevention and Flow Assurance by Using Mixtures of Ionic Liquids and Synergent Compounds: Combined Kinetics and Thermodynamic Approach. Energy & Fuels, 2016, 30, 3541-3548.	2.5	59
95	In silico rational design of ionic liquids for the exfoliation and dispersion of boron nitride nanosheets. Physical Chemistry Chemical Physics, 2016, 18, 1212-1224.	1.3	20
96	Interfacial Properties of Double Salt Ionic Liquids: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2015, 119, 28405-28416.	1.5	25
97	Experimental study and modeling of photocatalytic reduction of Pb ²⁺ by WO ₃ /TiO ₂ nanoparticles. Separation and Purification Technology, 2015, 141, 285-293.	3.9	19
98	Adsorption of H ₂ S from Natural Gas using treated Oil Fly Ash. , 2015, , 273-283.		0
99	Synthesis of a New Cu-Aluminosilicate Catalyst for CO ₂ Capture and Conversion to Hydrocarbons. , 2015, , 49-58.		2
100	Theoretical Study on the Solvation of C ₆₀ Fullerene by Ionic Liquids II: DFT Analysis of the Interaction Mechanism. Journal of Physical Chemistry B, 2015, 119, 10616-10629.	1.2	9
101	Water Effect on Acid-Gas Capture Using Choline Lactate: A DFT Insight beyond Molecule-Molecule Pair Simulations. Journal of Physical Chemistry B, 2015, 119, 5546-5557.	1.2	14
102	Flavonols on graphene: a DFT insight. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	7
103	Deep Eutectic Solvents: Physicochemical Properties and Gas Separation Applications. Energy & Fuels, 2015, 29, 2616-2644.	2.5	777
104	Density Functional Theory Study on the Cholinium Dihydrogenphosphate Ionic Liquid for Acid Gas Removal. Journal of Solution Chemistry, 2015, 44, 890-899.	0.6	3
105	Characterization of Amide-Alkanediol Intermolecular Interactions. Journal of Physical Chemistry B, 2015, 119, 4725-4738.	1.2	13
106	Nanowetting of Graphene by Ionic Liquid Droplets. Journal of Physical Chemistry C, 2015, 119, 24529-24537.	1.5	38
107	Systematic Study on the Viscosity of Ionic Liquids: Measurement and Prediction. Industrial & Engineering Chemistry Research, 2015, 54, 10918-10924.	1.8	69
108	Thermochemical treatment of fly ash for synthesis of mesoporous activated carbon. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1191-1201.	2.0	18

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109	Theoretical Study of Renewable Ionic Liquids in the Pure State and with Graphene and Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12224-12237.	1.2	15
110	Interaction Mechanism Insights on the Solvation of Fullerene C_{80} with Choline-based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12455-12463.	1.2	3
111	Interfacial Properties of Deep Eutectic Solvents Regarding to CO_2 Capture. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21413-21425.	1.5	81
112	Theoretical Study of Amino Acid-Based Ionic Liquids Interacting with Carbon Nanosystems. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27080-27094.	1.5	21
113	Bio-adsorption of triadimenol pesticide from aqueous solutions using activated sludge of dairy plants. <i>Desalination and Water Treatment</i> , 2015, 53, 2555-2564.	1.0	33
114	Synthesis of activated carbon from oil fly ash for removal of H_2S from gas stream. <i>Applied Surface Science</i> , 2015, 327, 107-115.	3.1	47
115	Use of modified oil fly ash to enhance asphalt concrete performance. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 3231-3240.	1.3	15
116	The Synthesis and Characterization of Microporous, High Surface Area Activated Carbon from Palm Seeds. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2014, 36, 93-103.	1.2	13
117	The Effect of Two Amine-Based Corrosion Inhibitors in Improving the Corrosion Resistance of Carbon Steel in Sea Water. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 693-699.	1.2	43
118	Theoretical Study on Amino Acid-Based Ionic Pairs and Their Interaction with Carbon Nanostructures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9741-9757.	1.5	34
119	Gas Hydrate Inhibition: A Review of the Role of Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17855-17868.	1.8	171
120	A theoretical study on ionic liquid endohedral C_{540} fullerene. <i>RSC Advances</i> , 2014, 4, 45286-45299.	1.7	3
121	Folding of Graphene Nanostructures Driven by Ionic Liquids Nanodroplets. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21081-21091.	1.5	13
122	Asphalt modification using acid treated waste oil fly ash. <i>Construction and Building Materials</i> , 2014, 70, 201-209.	3.2	40
123	Sulfur Dioxide Removal using Natural Zeolitic Tuff. <i>Fuel Processing Technology</i> , 2014, 126, 249-258.	3.7	21
124	On the Properties of CO_2 and Flue Gas at the Piperazinium-Based Ionic Liquids Interface: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15061-15074.	1.5	22
125	Insights on cholinium- and piperazinium-based ionic liquids under external electric fields: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2013, 139, 224502.	1.2	12
126	Molecular Dynamics Study of Carbon Nanostructures in <i>N</i> -Methylpiperazinium Lactate Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22046-22059.	1.5	21

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127	Viscous Behavior of Imidazolium-Based Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16774-16785.	1.8	64
128	Surface modification of oil fly ash and its application in selective capturing of carbon dioxide. <i>Applied Surface Science</i> , 2013, 266, 118-125.	3.1	28
129	Nanosopic Vision on Fuel Dearomatization Using Ionic Liquids: The Case of Piperazine-Based Fluids. <i>Energy & Fuels</i> , 2013, 27, 2515-2527.	2.5	22
130	Effect of an alkyl amine-based corrosion inhibitor for 1018 carbon steel pipeline in sea water. <i>Anti-Corrosion Methods and Materials</i> , 2013, 60, 259-270.	0.6	5
131	Mixed Ionic Liquids: The Case of Pyridinium-Based Fluids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2526-2537.	1.2	48
132	Choline-Based Ionic Liquids on Graphite Surfaces and Carbon Nanotubes Solvation: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12055-12065.	1.5	50
133	A Computational Study on Choline Benzoate and Choline Salicylate Ionic Liquids in the Pure State and After CO ₂ Adsorption. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9171-9185.	1.2	55
134	Optimized Binary Interaction Parameters for VLE Calculations of Natural Gas Mixtures via Cubic and Molecular-Based Equations of State. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9687-9699.	1.8	9
135	Insights into Tris(2-Hydroxyethyl)methylammonium Methylsulfate Aqueous Solutions. <i>ChemPhysChem</i> , 2012, 13, 3340-3349.	1.0	5
136	Study on Hydroxylammonium-Based Ionic Liquids. I. Characterization. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12473-12486.	1.2	45
137	Study on Hydroxylammonium-Based Ionic Liquids. II. Computational Analysis of CO ₂ Absorption. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12487-12498.	1.2	36
138	Enhancement of surface properties of oil fly ash by chemical treatment. <i>Applied Surface Science</i> , 2011, 258, 1643-1650.	3.1	28
139	Chemical modification of waste oil fly ash for improved mechanical and thermal properties of low density polyethylene composites. <i>Journal of Polymer Research</i> , 2011, 18, 2275-2284.	1.2	27
140	Effect of chemical modification of oil fly ash and compatibilization on the rheological and morphological properties of low density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2486-2496.	1.3	8
141	Kinetic study of effect of amine based corrosion inhibitor in reducing corrosion rate of 1018 carbon steel in seawater solution. <i>Corrosion Engineering Science and Technology</i> , 2011, 46, 767-776.	0.7	4
142	Removal of Sulfur Dioxide by a Slurry of Jordanian Oil Shale Ash. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011, 34, 90-98.	1.2	0
143	Hydrometallurgical extraction of zinc from Jordanian electric arc furnace dust. <i>Hydrometallurgy</i> , 2010, 104, 61-65.	1.8	106
144	Experimental and Computational Study on the Properties of Pure and Water Mixed 1-Ethyl-3-methylimidazolium I-(+)-Lactate Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5795-5809.	1.2	29

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145	A Systematic Computational Study on Flavonoids. International Journal of Molecular Sciences, 2010, 11, 2017-2038.	1.8	64
146	Computational Study of Hexamethylguanidinium Lactate Ionic Liquid: A Candidate for Natural Gas Sweetening. Energy & Fuels, 2010, 24, 4989-5001.	2.5	44
147	Metal distribution in urban soil around steel industry beside Queen Alia Airport, Jordan. Environmental Geochemistry and Health, 2009, 31, 717-726.	1.8	33
148	Equilibrium study and kinetics of Cu ²⁺ removal from water by zeolite prepared from oil shale ash. Chemical Engineering Research and Design, 2009, 87, 261-266.	2.7	32
149	Surface modification and characterization of Jordanian kaolinite: Application for lead removal from aqueous solutions. Applied Surface Science, 2009, 255, 8098-8103.	3.1	77
150	Pyrrolidone Derivatives in Water Solution: An Experimental and Theoretical Perspective. Industrial & Engineering Chemistry Research, 2009, 48, 1036-1050.	1.8	33
151	Insights into the Coal Extractive Solvent <i>N</i> -Methyl-2-pyrrolidone + Carbon Disulfide. Energy & Fuels, 2009, 23, 1591-1602.	2.5	15
152	Characterization of two lactones in liquid phase: an experimental and computational approach. Physical Chemistry Chemical Physics, 2009, 11, 6455.	1.3	44
153	Insights into the Ethyl Lactate + Water Mixed Solvent. Journal of Physical Chemistry B, 2009, 113, 14257-14269.	1.2	42
154	The green solvent ethyl lactate: an experimental and theoretical characterization. Green Chemistry, 2009, 11, 65-78.	4.6	189
155	Production and characterization of granular activated carbon from activated sludge. Brazilian Journal of Chemical Engineering, 2009, 26, 127-136.	0.7	172
156	Rate of Biodegradation of Phenol by <i>Klebsiella oxytoca</i> in Minimal Medium and Nutrient Broth Conditions. Bioremediation Journal, 2007, 11, 13-19.	1.0	20
157	Absorption of phenol and methylene blue by activated carbon from pecan shells. Colloid Journal, 2007, 69, 355-359.	0.5	21
158	Cobalt and zinc removal from aqueous solution by chemically treated bentonite. The Environmentalist, 2007, 27, 357-363.	0.7	33
159	ADSORPTION OF CHROMIUM IONS FROM AQUEOUS SOLUTION USING ACTIVATED CARBO-ALUMINOSILICATE MATERIAL. , 2006, , 249-254.		1
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