

Ibnelwaleed A Hussein

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

4,166
citations

34
h-index

55
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203
ext. papers

5,090
ext. citations

4
avg, IF

6.15
L-index

#	Paper	IF	Citations
190	Review on Surfactant Flooding: Phase Behavior, Retention, IFT, and Field Applications. <i>Energy & Fuels</i> , 2017 , 31, 7701-7720	4.1	266
189	Review on Polymer Flooding: Rheology, Adsorption, Stability, and Field Applications of Various Polymer Systems. <i>Polymer Reviews</i> , 2015 , 55, 491-530	14	195
188	Polymer Systems for Water Shutoff and Profile Modification: A Review Over the Last Decade. <i>SPE Journal</i> , 2014 , 19, 135-149	3.1	139
187	Review on recent advances in polythiophene based photovoltaic devices. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 550-561	16.2	124
186	A rheological investigation of a high temperature organic gel used for water shut-off treatments. <i>Journal of Petroleum Science and Engineering</i> , 2007 , 59, 73-83	4.4	114
185	Application of various water soluble polymers in gas hydrate inhibition. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 206-225	16.2	110
184	Recent Advances in Dye Sensitized Solar Cells. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-12	1.5	110
183	Polymeric Surfactants and Emerging Alternatives used in the Demulsification of Produced Water: A Review. <i>Polymer Reviews</i> , 2018 , 58, 63-101	14	86
182	Viscoelastic properties of a high temperature cross-linked water shut-off polymeric gel. <i>Journal of Petroleum Science and Engineering</i> , 2007 , 55, 56-66	4.4	85
181	Influence of polyelectrolytes and other polymer complexes on the flocculation and rheological behaviors of clay minerals: A comprehensive review. <i>Separation and Purification Technology</i> , 2017 , 187, 137-161	8.3	80
180	Oilfield scale formation and chemical removal: A review. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 171, 127-139	4.4	78
179	Hybrid TiO ₂ /Multiwall carbon nanotube (MWCNTs) photoanodes for efficient dye sensitized solar cells (DSSCs). <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 174-179	6.4	76
178	Rheological study of the influence of Mw and comonomer type on the miscibility of m-LLDPE and LDPE blends. <i>Polymer</i> , 2002 , 43, 6911-6929	3.9	66
177	Miscibility of hexene-LLDPE and LDPE blends: influence of branch content and composition distribution. <i>Polymer</i> , 2003 , 44, 4665-4672	3.9	63
176	Theoretical study of benzene/thiophene based photosensitizers for dye sensitized solar cells (DSSCs). <i>Dyes and Pigments</i> , 2015 , 118, 152-158	4.6	50
175	Screening of amphoteric and anionic surfactants for cEOR applications using a novel approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 476, 17-23	5.1	50
174	Rheological Properties of Thermoviscosifying Polymers in High-temperature and High-salinity Environments. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1194-1200	2.3	47

173	Investigation of the effect of polyelectrolyte structure and type on the electrokinetics and flocculation behavior of bentonite dispersions. <i>Chemical Engineering Journal</i> , 2017 , 311, 265-276	14.7	45
172	Controlled growth of Cu ₂ O thin films by electrodeposition approach. <i>Materials Science in Semiconductor Processing</i> , 2017 , 63, 203-211	4.3	43
171	Impact of salts on polyacrylamide hydrolysis and gelation: New insights. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	43
170	Influence of Surfactant Structure on the Stability of Water-in-Oil Emulsions under High-Temperature High-Salinity Conditions. <i>Journal of Chemistry</i> , 2017 , 2017, 1-11	2.3	43
169	Thermomechanical degradation in the preparation of polyethylene blends. <i>Polymer Degradation and Stability</i> , 2000 , 68, 381-392	4.7	42
168	Polymeric formulations used for loss circulation materials and wellbore strengthening applications in oil and gas wells: A review. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 180, 197-214	4.4	40
167	Influence of Composition Distribution and Branch Content on the Miscibility of m-LLDPE and HDPE Blends: Rheological Investigation. <i>Macromolecules</i> , 2003 , 36, 2024-2031	5.5	40
166	Rheological study of the miscibility of LLDPE/LDPE blends and the influence of Tmix. <i>Polymer Engineering and Science</i> , 2001 , 41, 696-701	2.3	40
165	CO ₂ enhanced gas recovery and sequestration in depleted gas reservoirs: A review. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 196, 107685	4.4	39
164	Gelation of a Water-Shutoff Gel at High Pressure and High Temperature: Rheological Investigation. <i>SPE Journal</i> , 2015 , 20, 1103-1112	3.1	38
163	Synthesis of activated carbon from oil fly ash for removal of H ₂ S from gas stream. <i>Applied Surface Science</i> , 2015 , 327, 107-115	6.7	37
162	Intercalation of ionic liquids into bentonite: Swelling and rheological behaviors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 507, 141-151	5.1	37
161	Hole cleaning and drilling fluid sweeps in horizontal and deviated wells: Comprehensive review. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 186, 106748	4.4	37
160	Rheological investigation of the influence of molecular structure on natural and accelerated UV degradation of linear low density polyethylene. <i>Polymer Degradation and Stability</i> , 2007 , 92, 2026-2032	4.7	36
159	Rheological investigation of the influence of acrylate polymers on the modification of asphalt. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3446-3456	2.9	35
158	Rheological study of the influence of branch content on the miscibility of octene m-LLDPE and ZN-LLDPE in LDPE. <i>Polymer Engineering and Science</i> , 2004 , 44, 660-672	2.3	35
157	Influence of Mw of LDPE and vinyl acetate content of EVA on the rheology of polymer modified asphalt. <i>Rheologica Acta</i> , 2005 , 45, 92-104	2.3	35
156	Effect of water salinity on surfactant-stabilized water-in-oil emulsions flow characteristics. <i>Experimental Thermal and Fluid Science</i> , 2015 , 64, 54-61	3	34

155	Effect of Short Chain Branching of LDPE on its Miscibility with Linear HDPE. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 198-203	3.9	34
154	Dependence of electrical properties of polyethylene nanocomposites on aspect ratio of carbon nanotubes. <i>Polymer Composites</i> , 2013 , 34, 494-499	3	32
153	Effects of branching characteristics and copolymer composition distribution on non-isothermal crystallization kinetics of metallocene LLDPEs. <i>European Polymer Journal</i> , 2007 , 43, 599-610	5.2	32
152	Rheological study of heterogeneities in melt blends of ZN-LLDPE and LDPE: Influence of Mw and comonomer type, and implications for miscibility. <i>Rheologica Acta</i> , 2004 , 43, 602-614	2.3	32
151	Loss circulation in drilling and well construction: The significance of applications of crosslinked polymers in wellbore strengthening: A review. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 185, 106653	4.4	32
150	Asphalt modification using acid treated waste oil fly ash. <i>Construction and Building Materials</i> , 2014 , 70, 201-209	6.7	31
149	Effects of sodium carbonate addition, heat and agitation on swelling and rheological behavior of Ca-bentonite colloidal dispersions. <i>Applied Clay Science</i> , 2017 , 147, 176-183	5.2	31
148	Clay minerals damage quantification in sandstone rocks using core flooding and NMR. <i>Journal of Petroleum Exploration and Production</i> , 2019 , 9, 593-603	2.2	29
147	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , 2018 , 158, 46-54	5.2	28
146	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	4.6	28
145	Melt miscibility and mechanical properties of metallocene linear low-density polyethylene blends with high-density polyethylene: influence of comonomer type. <i>Polymer International</i> , 2005 , 54, 1330-1336	3.3	28
144	Novel fluorinated surfactants for enhanced oil recovery in carbonate reservoirs. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 454-460	2.3	27
143	Flow characteristics of surfactant stabilized water-in-oil emulsions. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 405-412	5.5	27
142	DSC investigation of the gelation kinetics of emulsified PAM/PEI system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1117-1123	4.1	26
141	Use of organoclay as a stabilizer for water-in-oil emulsions under high-temperature high-salinity conditions. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 160, 302-312	4.4	26
140	Co-sensitization of TiO ₂ -MWCNTs hybrid anode for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2015 , 173, 607-612	6.7	26
139	Implications of melt compatibility/incompatibility on thermal and mechanical properties of metallocene and Ziegler-Natta linear low density polyethylene (LLDPE) blends with high density polyethylene (HDPE): influence of composition distribution and branch content of LLDPE. <i>Polymer International</i> , 2004 , 53, 1327-1335	3.3	25
138	Improving the efficiency of dye sensitized solar cells by TiO ₂ -graphene nanocomposite photoanode. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2015 , 16, 34-42	2.6	24

137	Development of efficient formulation for the removal of iron sulphide scale in sour production wells. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 2526-2533	2.3	24
136	Gelation kinetics of PAM/PEI system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 1409-1415	4.1	24
135	Parametric study for saline water electrolysis: Part II Chlorine evolution, selectivity and determination. <i>International Journal of Hydrogen Energy</i> , 1993 , 18, 545-551	6.7	24
134	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	2.7	23
133	Influence of branching characteristics on thermal and mechanical properties of Ziegler-Natta and metallocene hexene linear low-density polyethylene blends with low-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 2488-2498	2.9	23
132	Investigation of the Rheological Properties of Nanosilica-Reinforced Polyacrylamide/Polyethyleneimine Gels for Wellbore Strengthening at High Reservoir Temperatures. <i>Energy & Fuels</i> , 2019 , 33, 6829-6836	4.1	22
131	Density functional theory study on dye-sensitized solar cells using oxadiazole-based dyes. <i>Journal of Photonics for Energy</i> , 2015 , 5, 053097	1.2	21
130	Enhanced photovoltaic performance with co-sensitization of a ruthenium(II) sensitizer and an organic dye in dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 7897-7901	3.7	21
129	Synthesis, Characterization and Surface Properties of Amidosulfobetaine Surfactants Bearing Odd-Number Hydrophobic Tail. <i>Journal of Surfactants and Detergents</i> , 2016 , 19, 413-420	1.9	21
128	Enhancement of surface properties of oil fly ash by chemical treatment. <i>Applied Surface Science</i> , 2011 , 258, 1643-1650	6.7	21
127	Molecular Modeling Study toward Development of HS-Free Removal of Iron Sulfide Scale from Oil and Gas Wells. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10095-10104	3.9	20
126	Laboratory evaluation of the effects of additives and pH on the thermorheological behavior of a viscoelastic zwitterionic surfactant used in acid stimulation. <i>Journal of Petroleum Science and Engineering</i> , 2014 , 122, 458-467	4.4	20
125	Effect of epolene E-43 as a compatibilizer on the mechanical properties of palm fiber/poly(propylene) composites. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2581-2592	2.9	20
124	Molecular and electronic structure elucidation of Fe ²⁺ /Fe ³⁺ complexed chelators used in iron sulphide scale removal in oil and gas wells. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 2021-2027	2.3	20
123	Performance of PAM/PEI gel system for water shut-off in high temperature reservoirs: Laboratory study. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	19
122	Rheology of a viscoelastic zwitterionic surfactant used in acid stimulation: Effects of surfactant and electrolyte concentration. <i>Journal of Petroleum Science and Engineering</i> , 2014 , 124, 341-349	4.4	19
121	Rheological and thermal properties of novel surfactant-polymer systems for EOR applications. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1693-1699	2.3	19
120	Enhanced Photovoltaic Performance of Dye-Sensitized Solar Cells Using TiO ₂ -Graphene Microplatelets Hybrid Photoanode. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 196-201	3.7	18

119	Bulk and surface mechanical properties of clay modified HDPE used in liner applications. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 1066-1078	2.3	18
118	Study of the miscibility and mechanical properties of NBR/HNBR blends. <i>Polymer Engineering and Science</i> , 2004 , 44, 2346-2352	2.3	18
117	MD simulation of the influence of branch content on collapse and conformation of LLDPE chains crystallizing from highly dilute solutions. <i>Polymer</i> , 2002 , 43, 6333-6340	3.9	18
116	Influence of molecular parameters and processing conditions on degradation of hydrogenated nitrile butadiene rubbers. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1432-1441	2.9	18
115	Anomalous nonlinearities in steady shear of polyethylene melts. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999 , 86, 105-118	2.7	18
114	Parametric study for saline water electrolysis: Part I Hydrogen production. <i>International Journal of Hydrogen Energy</i> , 1993 , 18, 485-489	6.7	18
113	Pressure drop reduction of stable water-in-oil emulsions using organoclays. <i>Applied Clay Science</i> , 2014 , 95, 303-309	5.2	17
112	Parametric study for saline water electrolysis: Part III Precipitate formation and recovery of magnesium salts. <i>International Journal of Hydrogen Energy</i> , 1993 , 18, 553-556	6.7	17
111	Hydrothermally grown ZnO electrodes for improved organic photovoltaic devices. <i>Thin Solid Films</i> , 2018 , 645, 417-423	2.2	17
110	Evaluation of oil fly ash as a light stabilizer for epoxy composites: Accelerated weathering study. <i>Polymer Degradation and Stability</i> , 2015 , 112, 94-103	4.7	16
109	Nonisothermal crystallization kinetics of linear metallocene polyethylenes. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2802-2809	2.9	16
108	Nonisothermal crystallization kinetics study of LDPE/MWCNT nanocomposites: Effect of aspect ratio and surface modification. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 290-299	2.9	15
107	Applications of Chelating Agents in the Upstream Oil and Gas Industry: A Review. <i>Energy & Fuels</i> , 2020 , 34, 15593-15613	4.1	15
106	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	4.1	14
105	Influence of molecular structure on the rheology and thermorheology of metallocene polyethylenes. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1717-1728	2.9	14
104	Effect of pH on acidic and basic chelating agents used in the removal of iron sulfide scales: A computational study. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 178, 649-654	4.4	13
103	Effect of drag reducing polymers on surfactant-stabilized water-in-oil emulsions flow. <i>Experimental Thermal and Fluid Science</i> , 2013 , 51, 319-331	3	13
102	Rheological evidence for high-temperature phase transitions in melts of high-density polyethylene. <i>Macromolecular Rapid Communications</i> , 1998 , 19, 323-325	4.8	13

101	Ab Initio molecular dynamics of the dissolution of oilfield pyrite scale using borax. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112500	6	12
100	Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell Using TiO ₂ -MWCNT Composite Photoanodes. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 486-490	3.7	12
99	Utilization of sulfur and crumb rubber in asphalt modification. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	12
98	Density Functional Theory Study on the Electronic Structures of Oxadiazole Based Dyes as Photosensitizer for Dye Sensitized Solar Cells. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-8	1.5	12
97	Correlation of Polymerization Conditions with Thermal and Mechanical Properties of Polyethylenes Made with Ziegler-Natta Catalysts. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-10	2.4	12
96	Rheological behavior of associating ionic polymers based on diallylammonium salts containing single-, twin-, and triple-tailed hydrophobes. <i>European Polymer Journal</i> , 2010 , 46, 1063-1073	5.2	12
95	DSC Evidence for Microstructure and Phase Transitions in Polyethylene Melts at High Temperatures. <i>Macromolecules</i> , 2000 , 33, 520-522	5.5	12
94	Thermochemical Upgrading of Calcium Bentonite for Drilling Fluid Applications. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019 , 141,	2.6	12
93	Impact of Surfactant on the Retention of CO ₂ and Methane in Carbonate Reservoirs. <i>Energy & Fuels</i> , 2018 , 32, 5355-5363	4.1	11
92	Stimulation of high temperature carbonate gas reservoirs using seawater and chelating agents: Reaction kinetics. <i>Journal of Natural Gas Science and Engineering</i> , 2018 , 55, 595-605	4.6	11
91	Gelation of Emulsified Polyacrylamide/Polyethylenimine under High-Temperature, High-Salinity Conditions: Rheological Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12278-12287	3.9	11
90	Impact of aspect ratio and CNT loading on the dynamic mechanical and flammability properties of polyethylene nanocomposites. <i>E-Polymers</i> , 2014 , 14, 57-63	2.7	11
89	Transport properties of natural gas through polyethylene nanocomposites at high temperature and pressure. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	11
88	Influence of branch content, comonomer type, and crosshead speed on the mechanical properties of metallocene linear low-density polyethylenes. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 5019-5033	2.9	11
87	A theoretical study of gas adsorption on calcite for CO ₂ enhanced natural gas recovery. <i>Applied Surface Science</i> , 2020 , 504, 144575	6.7	11
86	Adsorption kinetics and modeling of HS by treated waste oil fly ash. <i>Journal of the Air and Waste Management Association</i> , 2019 , 69, 246-257	2.4	11
85	Effect of rock mineralogy on Hot-CO ₂ injection for enhanced gas recovery. <i>Journal of Natural Gas Science and Engineering</i> , 2019 , 72, 103030	4.6	10
84	Impact of branching on the UV degradation of metallocene LLDPE. <i>Journal of Polymer Research</i> , 2011 , 18, 1567-1573	2.7	10

83	Pyrite Scale Removal Using Green Formulations for Oil and Gas Applications: Reaction Kinetics. <i>Energy & Fuels</i> , 2019 , 33, 4499-4505	4.1	9
82	Epoxy/oil fly ash composites prepared through in situ polymerization: Enhancement of thermal and mechanical properties. <i>Polymer Composites</i> , 2016 , 37, 512-522	3	9
81	New 1,3,4-Oxadiazole Based Photosensitizers for Dye Sensitized Solar Cells (DSSCs). <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-8	2.1	9
80	Development of pH-Controlled Aluminum-Based Polymeric Gel for Conformance Control in Sour Gas Reservoirs. <i>ACS Omega</i> , 2020 , 5, 24504-24512	3.9	9
79	Gelation kinetics of PAM/PEI based drilling mud for lost circulation applications. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 200, 108383	4.4	9
78	Enhancement of flocculation and dewaterability of a highly stable activated sludge using a hybrid system of organic coagulants and polyelectrolytes. <i>Journal of Water Process Engineering</i> , 2020 , 35, 101237	6.7	8
77	Copper(II) Triflate Catalyzed Synthesis of 2,4-Disubstituted Oxazoles from Diazoketones. <i>Synthesis</i> , 2015 , 47, 3315-3320	2.9	8
76	Melt Miscibility and Mechanical Properties of Metallocene LLDPE blends with HDPE: Influence of Mw of LLDPE. <i>Polymer Journal</i> , 2006 , 38, 1114-1126	2.7	8
75	Rheology of Triamine Functionalized Silica Reinforced Polymeric Gels Developed for Conformance Control Applications. <i>Energy & Fuels</i> , 2020 , 34, 1093-1098	4.1	8
74	CFD modeling of particle settling in drilling fluids: Impact of fluid rheology and particle characteristics. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 199, 108326	4.4	8
73	An Experimental and Kinetic Study of the Sorption of Carbon Dioxide onto Amine-Treated Oil Fly Ash. <i>Journal of Chemistry</i> , 2016 , 2016, 1-11	2.3	8
72	Use of modified oil fly ash to enhance asphalt concrete performance. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 3231-3240	3.4	7
71	A theoretical study of gas adsorption on Quartz (001) for CO ₂ enhanced natural gas recovery. <i>Applied Surface Science</i> , 2020 , 525, 146472	6.7	7
70	Concurrent adsorption of cationic and anionic dyes from environmental water on amine functionalized carbon. <i>Water Science and Technology</i> , 2020 , 81, 466-478	2.2	7
69	Could VES be a part of a Hybrid Option to Recover Heavy oil in Complex Heavy oil Reservoirs 2014 ,		7
68	Rheological Assessment of VES as an EOR Fluid in Carbonate Reservoir 2014 ,		7
67	Impact of organoclay and maleated polyethylene on the rheology and instabilities in the extrusion of high density polyethylene. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 866-878	2.9	7
66	Rheology and enhancement of extrusion of linear and branched polyethylenes using low amount of organoclay. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 713-723	2.9	7

65	Development of a Polyacrylamide-Based Mud Formulation for Loss Circulation Treatments. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	7
64	BET, FTIR, and RAMAN characterizations of activated carbon from waste oil fly ash. <i>Turkish Journal of Chemistry</i> , 2020 , 44, 279-295	1	6
63	Development of a New Borax-Based Formulation for the Removal of Pyrite Scales. <i>ACS Omega</i> , 2020 , 5, 14308-14315	3.9	6
62	Effect of surface morphology on methane interaction with calcite: a DFT study.. <i>RSC Advances</i> , 2020 , 10, 16669-16674	3.7	6
61	Effect of Polymerization Conditions on Thermal and Mechanical Properties of Ethylene/1-Butene Copolymer Made with Ziegler-Natta Catalysts. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-10 ^{2.4}		6
60	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	2.9	6
59	Implications of LDPE Branching and Mw on Thermal and Mechanical Properties of PP/LDPE Blends. <i>Macromolecular Symposia</i> , 2008 , 263, 130-137	0.8	6
58	Influence of branch content on the microstructure of blends of linear and octene-branched polyethylene: a MD simulation study. <i>European Polymer Journal</i> , 2004 , 40, 1177-1182	5.2	6
57	An Investigation of the Swelling Kinetics of Bentonite Systems Using Particle Size Analysis. <i>Journal of Dispersion Science and Technology</i> , 2020 , 41, 817-827	1.5	6
56	Predicting carbonate formation permeability using machine learning. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 195, 107581	4.4	5
55	Effect of outdoor temperature on the power-conversion efficiency of newly synthesized organic photosensitizer based dye-sensitized solar cells. <i>Materials Letters</i> , 2018 , 220, 222-225	3.3	5
54	Pressure Drop Reduction of Stable Emulsions: Role of Aqueous Phase Salinity 2013 ,		5
53	Influence of Polymer Type and Structure on Polymer Modified Asphalt Concrete Mix. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 84, 480-487	2.3	5
52	MD Simulation Study of the Influence of Branch Content on Crystallization of Branched Polyethylene Chains with Uniform Branch Distribution. <i>Journal of Polymer Research</i> , 2004 , 11, 161-168	2.7	5
51	Impact of clays on CO2 adsorption and enhanced gas recovery in sandstone reservoirs. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 106, 103286	4.2	5
50	Settling behavior of fine cuttings in fiber-containing polyanionic fluids for drilling and hole cleaning application. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 199, 108337	4.4	5
49	Theoretical studies of methane adsorption on Silica-Kaolinite interface for shale reservoir application. <i>Applied Surface Science</i> , 2021 , 546, 149164	6.7	5
48	Improvement in Photovoltaic Performance of Dye Sensitized Solar Cell Using Activated Carbon-TiO2 Composites-Based Photoanode. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 1191-1195	3.7	5

47	Influence of polyelectrolyte architecture on the electrokinetics and dewaterability of industrial membrane bioreactor activated sludge. <i>Journal of Environmental Management</i> , 2019 , 233, 410-416	7.9	5
46	CFD Analysis of Turbulent Flow of Power-Law Fluid in a Partially Blocked Eccentric Annulus. <i>Energies</i> , 2021 , 14, 731	3.1	5
45	Rheology of organoclay assisted extrusion of HDPE using Particle Image Velocimetry. <i>Chemical Engineering Research and Design</i> , 2015 , 100, 113-125	5.5	4
44	Thermorheology of Polyethylene Wax Modified Sulfur Asphalt. <i>International Polymer Processing</i> , 2015 , 30, 202-209	1	4
43	Effect of long chain branching on the properties of polyethylene synthesized via metallocene catalysis. <i>Polymer Science - Series B</i> , 2014 , 56, 707-720	0.8	4
42	Rheology, Mechanical and Thermal Properties of C18-CNT/LDPE Nanocomposites. <i>International Polymer Processing</i> , 2013 , 28, 3-13	1	4
41	Effect of aspect ratio, surface modification and compatibilizer on the mechanical and thermal properties of ldpe-mwcnt nanocomposites. <i>E-Polymers</i> , 2011 , 11,	2.7	4
40	Impact of Short Chain Branching on Conformations of Metallocene LLDPE Melts: NMR, Light Scattering and MD Simulation Study. <i>Macromolecular Symposia</i> , 2008 , 263, 121-129	0.8	4
39	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101885	6.7	4
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