

Ibnelwaleed A Hussein

List of Publications by Year in Descending Order

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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
g-index

203
ext. papers

5,090
ext. citations

4
avg, IF

6.15
L-index

#	Paper	IF	Citations
190	Enhancing the flocculation of stable bentonite suspension using hybrid system of polyelectrolytes and NADES. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 638, 128305	5.1	0
189	Adsorption of CO ₂ on Cu/SiO ₂ nano-catalyst: Experimental and theoretical study. <i>Applied Surface Science</i> , 2022 , 586, 152726	6.7	1
188	A CFD- RSM study of cuttings transport in non-Newtonian drilling fluids: Impact of operational parameters. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109613	4.4	1
187	Chitosan/Polyacrylamide Green Gels for Water Control in High-Temperature Reservoirs. <i>Energy & Fuels</i> , 2022 , 36, 3816-3824	4.1	1
186	An Accurate Reservoir Bubble Point Pressure Correlation.. <i>ACS Omega</i> , 2022 , 7, 13196-13209	3.9	0
185	Pilot-scale study on the suspension of drill cuttings: Effect of fiber and fluid characteristics. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 101, 104531	4.6	0
184	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
183	Calcite Scale Inhibition Using Environmental-Friendly Amino Acid Inhibitors: DFT Investigation. <i>ACS Omega</i> , 2021 , 6, 32120-32132	3.9	2
182	Synthesis and evaluation of a novel polyacrylamide functionalized nano-silica as a calcium carbonate inhibitor in upstream applications. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 209, 109864	4.4	2
181	Assessing the Relation between Mud Components and Rheology for Loss Circulation Prevention Using Polymeric Gels: A Machine Learning Approach. <i>Energies</i> , 2021 , 14, 1377	3.1	2
180	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	4.2	5
179	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
178	Computational Screening of Potential Inhibitors of for Pyrite Scale Prevention in Oil and Gas Wells. <i>ACS Omega</i> , 2021 , 6, 10607-10617	3.9	0
177	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
176	Theoretical studies of methane adsorption on Silica-Kaolinite interface for shale reservoir application. <i>Applied Surface Science</i> , 2021 , 546, 149164	6.7	5
175	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
174	A robust fuzzy logic-based model for predicting the critical total drawdown in sand production in oil and gas wells. <i>PLoS ONE</i> , 2021 , 16, e0250466	3.7	1

173	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
172	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
171	Effect of strain on gas adsorption in tight gas carbonates: A DFT study. <i>Computational Materials Science</i> , 2021 , 188, 110186	3.2	2
170	CFD Analysis of Turbulent Flow of Power-Law Fluid in a Partially Blocked Eccentric Annulus. <i>Energies</i> , 2021 , 14, 731	3.1	5
169	Molecular Design of Novel Chemicals for Iron Sulfide Scale Removal. <i>Journal of Chemistry</i> , 2021 , 2021, 1-11	2.3	2
168	Investigation of Filter Cake Evolution in Carbonate Formation Using Polymer-Based Drilling Fluid. <i>ACS Omega</i> , 2021 , 6, 6231-6239	3.9	2
167	Electrochemical removal of pyrite scale using green formulations. <i>Scientific Reports</i> , 2021 , 11, 4796	4.9	0
166	Gelation kinetics of functionalized silica crosslinked polymeric gels used in conformance control applications. <i>Canadian Journal of Chemical Engineering</i> , 2021 , 99, 2219-2228	2.3	2
165	Review of Iron Sulfide Scale Removal and Inhibition in Oil and Gas Wells: Current Status and Perspectives. <i>Energy & Fuels</i> , 2021 , 35, 14401-14421	4.1	1
164	The effect of vacancy defects on the adsorption of methane on calcite 104 surface. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 3051-3058	5.5	1
163	Ab-Initio Molecular Dynamics investigation of gas adsorption on Quartz (001) for CO ₂ enhanced natural gas recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 205, 108963	4.4	1
162	Influence of natural gas composition on adsorption in calcite Nanopores: A DFT study. <i>Applied Surface Science</i> , 2021 , 568, 150940	6.7	0
161	Application of Response Surface Methodology and Box-Behnken Design for the Optimization of the Stability of Fibrous Dispersion Used in Drilling and Completion Operations. <i>ACS Omega</i> , 2021 , 6, 25133-25254	3.9	4
160	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
159	Development of a New Borax-Based Formulation for the Removal of Pyrite Scales. <i>ACS Omega</i> , 2020 , 5, 14308-14315	3.9	6
158	Predicting carbonate formation permeability using machine learning. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 195, 107581	4.4	5
157	Reinforcement of Polyacrylamide-Co-Tert-Butyl Acrylate Base Gel Using Nanosilica for Conformance Control at Low and High Reservoir Temperatures 2020 ,		3
156	Ab Initio molecular dynamics of the dissolution of oilfield pyrite scale using borax. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112500	6	12

155	Effect of surface morphology on methane interaction with calcite: a DFT study.. <i>RSC Advances</i> , 2020 , 10, 16669-16674	3.7	6
154	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
153	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
152	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
151	Density-Functional Theory Investigation of Barite Scale Inhibition Using Phosphonate and Carboxyl-Based Inhibitors. <i>ACS Omega</i> , 2020 , 5, 33323-33328	3.9	3
150	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
149	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
148	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
147	Rheology of Triamine Functionalized Silica Reinforced Polymeric Gels Developed for Conformance Control Applications. <i>Energy & Fuels</i> , 2020 , 34, 1093-1098	4.1	8
146	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
145	Applications of Chelating Agents in the Upstream Oil and Gas Industry: A Review. <i>Energy & Fuels</i> , 2020 , 34, 15593-15613	4.1	15
144	Dissolution Kinetics of Different Inorganic Oilfield Scales in Green Formulations. <i>ACS Omega</i> , 2020 , 5, 29963-29970	3.9	0
143	Development of Greener D-Metal Inorganic Crosslinkers for Polymeric Gels Used in Water Control in Oil and Gas Applications. <i>Energies</i> , 2020 , 13, 4262	3.1	1
142	Ab Initio Molecular Dynamics Investigation of CH ₄ /CO ₂ Adsorption on Calcite: Improving the Enhanced Gas Recovery Process. <i>ACS Omega</i> , 2020 , 5, 30226-30236	3.9	2
141	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
140	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
139	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
138	Pyrite Scale Removal Using Green Formulations for Oil and Gas Applications: Reaction Kinetics. <i>Energy & Fuels</i> , 2019 , 33, 4499-4505	4.1	9

137	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
136	A study on stability of active layer of polymer solar cells: effect of UV-visible light with different conditions. <i>Polymer Bulletin</i> , 2019 , 76, 525-537	2.4	1
135	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
134	Upgrading Calcium Bentonite to Sodium Bentonite Using Seawater and Soda Ash. <i>Energy & Fuels</i> , 2019 , 33, 10888-10894	4.1	3
133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , 2018 , 158, 46-54	5.2	28
124	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
123	Polymeric Surfactants and Emerging Alternatives used in the Demulsification of Produced Water: A Review. <i>Polymer Reviews</i> , 2018 , 58, 63-101	14	86
122	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
121	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
120	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

119	Oilfield scale formation and chemical removal: A review. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 171, 127-139	4.4	78
118	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
117	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
116	Hydrothermally grown ZnO electrodes for improved organic photovoltaic devices. <i>Thin Solid Films</i> , 2018 , 645, 417-423	2.2	17
115	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
114	Large CO ₂ uptake on a monolayer of CaO. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2110-2114	1.3	2
113	IBX/KI Promoted Synthesis of 2,5-Disubstituted 1,3,4-Oxadiazoles. <i>Letters in Organic Chemistry</i> , 2017 , 15,	0.6	1
112	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
111	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
110	Review on Surfactant Flooding: Phase Behavior, Retention, IFT, and Field Applications. <i>Energy & Fuels</i> , 2017 , 31, 7701-7720	4.1	266
109	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
108	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
107	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
106	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
105	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
104	Novel fluorinated surfactants for enhanced oil recovery in carbonate reservoirs. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 454-460	2.3	27
103	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
102	Application of various water soluble polymers in gas hydrate inhibition. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 206-225	16.2	110

101	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
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	Review on recent advances in polythiophene based photovoltaic devices. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 550-561	16.2	124
98	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
97	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
96	Improvement in Photovoltaic Performance of Dye Sensitized Solar Cell Using Activated Carbon-TiO ₂ Composites-Based Photoanode. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 1191-1195	3.7	5
95	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
94	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
93	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
92	Review on Polymer Flooding: Rheology, Adsorption, Stability, and Field Applications of Various Polymer Systems. <i>Polymer Reviews</i> , 2015 , 55, 491-530	14	195
91	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
90	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
89	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
88	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
87	Screening of amphoteric and anionic surfactants for eOR applications using a novel approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 476, 17-23	5.1	50
86	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
85	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
84	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

83	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
82	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
81	Thermorheology of Polyethylene Wax Modified Sulfur Asphalt. <i>International Polymer Processing</i> , 2015 , 30, 202-209	1	4
80	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
79	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
78	Comparative Analysis of the Effect of Organoclay, Boron Nitride, and Fluoropolymer on the Rheology and Instabilities in the Extrusion of High Density Polyethylene. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-11	2.4	2
77	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
76	Copper(II) Triflate Catalyzed Synthesis of 2,4-Disubstituted Oxazoles from Diazoketones. <i>Synthesis</i> , 2015 , 47, 3315-3320	2.9	8
75	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
74	Flow characteristics of surfactant stabilized water-in-oil emulsions. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 405-412	5.5	27
73	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
72	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
71	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
70	Asphalt modification using acid treated waste oil fly ash. <i>Construction and Building Materials</i> , 2014 , 70, 201-209	6.7	31
69	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
68	Pressure drop reduction of stable water-in-oil emulsions using organoclays. <i>Applied Clay Science</i> , 2014 , 95, 303-309	5.2	17
67	Gelation kinetics of PAM/PEI system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 1409-1415	4.1	24
66	Could VES be a part of a Hybrid Option to Recover Heavy oil in Complex Heavy oil Reservoirs 2014 ,		7

65	Rheological Assessment of VES as an EOR Fluid in Carbonate Reservoir 2014 ,		7
64	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
63	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
62	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
61	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
60	Recent Advances in Dye Sensitized Solar Cells. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-12	1.5	110
59	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
58	Dependence of electrical properties of polyethylene nanocomposites on aspect ratio of carbon nanotubes. <i>Polymer Composites</i> , 2013 , 34, 494-499	3	32
57	Effect of drag reducing polymers on surfactant-stabilized water/oil emulsions flow. <i>Experimental Thermal and Fluid Science</i> , 2013 , 51, 319-331	3	13
56	Rheology, Mechanical and Thermal Properties of C18-CNT/LDPE Nanocomposites. <i>International Polymer Processing</i> , 2013 , 28, 3-13	1	4
55	Chemical EOR. <i>Journal of Chemistry</i> , 2013 , 2013, 1-1	2.3	
54	Pressure Drop Reduction of Stable Emulsions: Role of Aqueous Phase Salinity 2013 ,		5
53	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
52	Anomalous heat capacity of high-density polyethylene melts at high temperature. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 466-469	2.9	
51	Development of a Mathematical Model for Natural Gas Permeation through Polymer Nanocomposites at High Pressure and Temperature. <i>Journal of Nano Research</i> , 2012 , 21, 95-101	1	
50	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
49	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
48	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

47	Enhancement of surface properties of oil fly ash by chemical treatment. <i>Applied Surface Science</i> , 2011 , 258, 1643-1650	6.7	21
46	Impact of branching on the UV degradation of metallocene LLDPE. <i>Journal of Polymer Research</i> , 2011 , 18, 1567-1573	2.7	10
45	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
44	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
43	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
42	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
41	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
40	Rheological behavior of pH-responsive associating ionic polymers of diallylammonium salts and sulfur dioxide. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 125-131	2.9	1
39	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
38	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
37	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
36	Nonisothermal crystallization kinetics of linear metallocene polyethylenes. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2802-2809	2.9	16
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