

Farid B Corts

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.

134
papers

3,078
citations

29
h-index

50
g-index

138
ext. papers

3,680
ext. citations

3.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
134	Effect of pressure on the thermo-oxidative behavior of saturates, aromatics, and resins (S-Ar-R) mixtures. <i>Fuel</i> , 2022 , 314, 122787	7.1	1
133	Catalytic Decomposition of n-C7 Asphaltenes Using Tungsten Oxides Functionalized SiO ₂ Nanoparticles in Steam/Air Atmospheres. <i>Processes</i> , 2022 , 10, 349	2.9	0
132	Technical and Environmental Feasibility Study of the Co-Production of Crude Oil and Electrical Energy from Geothermal Resources: First Field Trial in Colombia. <i>Processes</i> , 2022 , 10, 568	2.9	0
131	Freshwater production from air dehumidification using novel SiO ₂ -based supported material and solar energy: Colombia case study. <i>Energy Reports</i> , 2022 , 8, 3115-3126	4.6	0
130	Development of Acid Nanocapsules with Tailored Breaking Reservoir Temperature for the Removal of Formation Damage by Fines Migration. <i>Energy & Fuels</i> , 2022 , 36, 4792-4798	4.1	
129	Development of a Novel Green Bio-Nanofluid from Sapindus Saponaria for Enhanced Oil Recovery Processes. <i>Processes</i> , 2022 , 10, 1057	2.9	
128	Effect of pressure on thermo-oxidative reactions of saturates, aromatics, and resins (S-Ar-R) from extra-heavy crude oil. <i>Fuel</i> , 2021 , 122596	7.1	1
127	Physical Insights about Viscosity Differences of Asphaltene Dissolved in Benzene and Xylene Isomers: Theoretical/Experimental Approaches. <i>Energy & Fuels</i> , 2021 , 35, 18574-18582	4.1	1
126	Field Applications of Nanotechnology in the Oil and Gas Industry: Recent Advances and Perspectives. <i>Energy & Fuels</i> , 2021 , 35, 19266-19287	4.1	9
125	Nano-Intermediate of Magnetite Nanoparticles Supported on Activated Carbon from Spent Coffee Grounds for Treatment of Wastewater from Oil Industry and Energy Production. <i>Processes</i> , 2021 , 9, 63	2.9	11
124	A Selection Flowchart for Micromodel Experiments Based on Computational Fluid Dynamic Simulations of Surfactant Flooding in Enhanced Oil Recovery. <i>Processes</i> , 2021 , 9, 1887	2.9	1
123	Physicochemical characteristics of calcined MnFeO solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C asphaltenes with air. <i>Journal of Environmental Management</i> , 2021 , 281, 111871	7.9	11
122	Monolithic carbon xerogels-metal composites for crude oil removal from oil in-saltwater emulsions and subsequent regeneration through oxidation process: Composites synthesis, adsorption studies, and oil decomposition experiments. <i>Microporous and Mesoporous Materials</i> , 2021 , 319, 111039	5.3	7
121	Catalytic Conversion of -C Asphaltenes and Resins II into Hydrogen Using CeO-Based Nanocatalysts. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
120	Effect of Steam Quality on Extra-Heavy Crude Oil Upgrading and Oil Recovery Assisted with PdO and NiO-Functionalized Al ₂ O ₃ Nanoparticles. <i>Processes</i> , 2021 , 9, 1009	2.9	6
119	Chemical Composition and Low-Temperature Fluidity Properties of Jet Fuels. <i>Processes</i> , 2021 , 9, 1184	2.9	0
118	Well injectivity loss during chemical gas stimulation process in gas-condensate tight reservoirs. <i>Fuel</i> , 2021 , 283, 118931	7.1	5

117	Effect of surface acidity of SiO ₂ nanoparticles on thermal stability of polymer solutions for application in EOR processes. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 196, 107802	4.4	4
116	Phenomenological study of the micro- and macroscopic mechanisms during polymer flooding with SiO ₂ nanoparticles. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 198, 108135	4.4	6
115	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. <i>Processes</i> , 2021 , 9, 175	2.9	4
114	Theoretical and Experimental Approach for Understanding the Interactions Among SiO ₂ Nanoparticles, CaCO ₃ , and Xanthan Gum Components of Water-Based Mud. <i>Energy & Fuels</i> , 2021 , 35, 4803-4814	4.1	4
113	Molecular Dynamics Study of the Aggregation Behavior of Polycyclic Aromatic Hydrocarbon Molecules in n-Heptane/Toluene Mixtures: Assessing the Heteroatom Content Effect. <i>Energy & Fuels</i> , 2021 , 35, 3119-3129	4.1	6
112	The effects of chemical composition of fines and nanoparticles on inhibition of formation damage caused by fines migration: Insights through a simplex-centroid mixture design of experiments. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 203, 108494	4.4	6
111	Development of a monolithic carbon xerogel-metal composite for crude oil removal from oil in-saltwater emulsions: Evaluation of reuse cycles. <i>Microporous and Mesoporous Materials</i> , 2021 , 327, 111424	5.3	2
110	Effect of Pressure on Thermo-oxidation and Thermocatalytic Oxidation of n-C7 Asphaltenes. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 165-200	0.3	
109	Removal of Uranium from Flowback Water of Hydraulic Fracturing Processes in Unconventional Reservoirs Using Phosphorus- and Nitrogen-Functionalized Activated Carbons. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 429-444	0.3	
108	Double Purpose Drilling Fluid Based on Nanotechnology: Drilling-Induced Formation Damage Reduction and Improvement in Mud Filtrate Quality. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 381-405	0.3	
107	Evaluation from Laboratory to Field Trial of Nanofluids for CaCO ₃ Scale Inhibition in Oil Wells. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 407-427	0.3	
106	Nanotechnology Applications for Viscosity Reduction of Heavy and Extra-Heavy Oils: A Review. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 241-267	0.3	
105	Influence of Surfactant Adsorption on Surface-Functionalized Silica Nanoparticles for Gas Foam Stability. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021 , 339-357	0.3	
104	Cardanol/SiO ₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part I: Novel Nanocomposite Design Based on SiO ₂ /Cardanol Interactions. <i>Energy & Fuels</i> , 2020 , 34, 7048-7057	4.1	14
103	Development of Nanofluids for the Inhibition of Formation Damage Caused by Fines Migration: Effect of the interaction of Quaternary Amine (CTAB) and MgO Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
102	Thermo-Oxidative Decomposition Behaviors of Different Sources of n-C7 Asphaltenes under High-Pressure Conditions. <i>Energy & Fuels</i> , 2020 , 34, 8740-8758	4.1	20
101	Easy and Rapid Synthesis of Carbon Quantum Dots from MortiB (Vaccinium Meridionale Swartz) Extract for Use as Green Tracers in the Oil and Gas Industry: Lab-to-Field Trial Development in Colombia. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 11359-11369	3.9	10
100	A novel design of silica-based completion nanofluids for heavy oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 194, 107483	4.4	6

99	Investigating the Performance of Carboxylate-Alumoxane Nanoparticles as a Novel Chemically Functionalized Inhibitor on Asphaltene Precipitation. <i>ACS Omega</i> , 2020 , 5, 16149-16164	3.9	9
98	Effect of Textural Properties and Surface Chemical Nature of Silica Nanoparticles from Different Silicon Sources on the Viscosity Reduction of Heavy Crude Oil. <i>ACS Omega</i> , 2020 , 5, 5085-5097	3.9	19
97	Effect of Multifunctional Nanocatalysts on n-C7 Asphaltene Adsorption and Subsequent Oxidation under High-Pressure Conditions. <i>Energy & Fuels</i> , 2020 , 34, 6261-6278	4.1	16
96	Effect of resin/asphaltene ratio on the rheological behavior of asphaltene solutions in a de-asphalted oil and p-xylene: A theoretical-experimental approach. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113754	6	9
95	A novel foam formulation by Al ₂ O ₃ /SiO ₂ nanoparticles for EOR applications: A mechanistic study. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112730	6	32
94	Functionalization of Alumina and Magnesia Nanoparticles with a Fluorocarbon Surfactant to Promote Ultra-Gas-Wet Surfaces: Experimental and Theoretical Approach. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13510-13520	9.5	14
93	Influence of size and surface acidity of silica nanoparticles on inhibition of the formation damage by bentonite-free water-based drilling fluids. Part II: dynamic filtration. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020 , 11, 015011	1.6	5
92	Theoretical-experimental evaluation of rheological behavior of asphaltene solutions in toluene and p-xylene: Effect of the additional methyl group. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112664	6	11
91	Disaggregation and discretization methods for formation damage estimation in oil and gas fields: an overview. <i>DYNA (Colombia)</i> , 2020 , 87, 105-115	0.6	4
90	Novel biomaterial design based on Pseudomonas stutzeri-carbon xerogel microspheres for hydrocarbon removal from oil-in-saltwater emulsions: A new proposed treatment of produced water in oilfields. <i>Journal of Water Process Engineering</i> , 2020 , 35, 101222	6.7	8
89	NiO, Fe ₂ O ₃ , and MoO ₃ Supported over SiO ₂ Nanocatalysts for Asphaltene Adsorption and Catalytic Decomposition: Optimization through a Simplex-Centroid Mixture Design of Experiments. <i>Catalysts</i> , 2020 , 10, 569	4	13
88	Biomass-Derived Carbon Molecular Sieves Applied to an Enhanced Carbon Capture and Storage Process (e-CCS) for Flue Gas Streams in Shallow Reservoirs. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
87	Effect of ionic strength in low salinity water injection processes. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , 2020 , 10, 17-26	0.5	2
86	Improving the stability of nitrogen foams using silica nanoparticles coated with polyethylene glycol. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112256	6	19
85	Injection of Nanofluids with Fluorosurfactant-Modified Nanoparticles Dispersed in a Flue Gas Stream at Very Low Concentration for Enhanced Oil Recovery (EOR) in Tight Gas-Condensate Reservoirs. <i>Energy & Fuels</i> , 2020 , 34, 12517-12526	4.1	5
84	Cardanol /SiO ₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part II: Nanocomposite Evaluation and Coreflooding Test. <i>ACS Omega</i> , 2020 , 5, 27800-27810	3.9	6
83	Design and Tuning of Nanofluids Applied to Chemical Enhanced Oil Recovery Based on the Surfactant-Nanoparticle-Brine Interaction: From Laboratory Experiments to Oil Field Application. <i>Nanomaterials</i> , 2020 , 10,	5.4	18
82	A microfluidic study to investigate the effect of magnetic iron core-carbon shell nanoparticles on displacement mechanisms of crude oil for chemical enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 184, 106589	4.4	20

81	Effect of the NiO/SiO ₂ Nanoparticles-Assisted Ultrasound Cavitation Process on the Rheological Properties of Heavy Crude Oil: Steady State Rheometry and Oscillatory Tests. <i>Energy & Fuels</i> , 2019 , 33, 9671-9680	4.1	13
80	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactant-Nanoparticle-Brine System Interaction. <i>ACS Omega</i> , 2019 , 4, 16171-16180 ^{3,9}		26
79	Dual-Purpose Materials Based on Carbon Xerogel Microspheres (CXMs) for Delayed Release of Cannabidiol (CBD) and Subsequent Aflatoxin Removal. <i>Molecules</i> , 2019 , 24,	4.8	2
78	Effect of the nanoparticles in the stability of hydrolyzed polyacrylamide/resorcinol/formaldehyde gel systems for water shut-off/conformance control applications. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47568	2.9	15
77	Immobilization of Andean berry (<i>Vaccinium meridionale</i>) polyphenols on nanocellulose isolated from banana residues: A natural food additive with antioxidant properties. <i>Food Chemistry</i> , 2019 , 294, 503-517	8.5	23
76	Influence of the Ce/Ce Redox-Couple on the Cyclic Regeneration for Adsorptive and Catalytic Performance of NiO-PdO/CeO Nanoparticles for -C Asphaltene Steam Gasification. <i>Nanomaterials</i> , 2019 , 9,	5.4	21
75	Dynamic Molecular Modeling and Experimental Approach of Fluorocarbon Surfactant-Functionalized SiO ₂ Nanoparticles for Gas-Wettability Alteration on Sandstones. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1860-1872	2.8	10
74	Optimization of the Load of Transition Metal Oxides (FeO, CoO, NiO and/or PdO) onto CeO ₂ Nanoparticles in Catalytic Steam Decomposition of -C Asphaltenes at Low Temperatures. <i>Nanomaterials</i> , 2019 , 9,	5.4	26
73	Development of Nanofluids for Perdurability in Viscosity Reduction of Extra-Heavy Oils. <i>Energies</i> , 2019 , 12, 1068	3.1	21
72	Immobilization of on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
71	Effect of Magnetic Iron Core/Carbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. <i>Energy & Fuels</i> , 2019 , 33, 4158-4168	4.1	25
70	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. <i>Materials</i> , 2019 , 12,	3.5	4
69	Effect of Pressure on the Oxidation Kinetics of Asphaltenes. <i>Energy & Fuels</i> , 2019 , 33, 10734-10744	4.1	23
68	Effect of Nanoparticles with Different Chemical Nature on the Stability and Rheology of Acrylamide Sodium Acrylate Copolymer/Chromium (III) Acetate Gel for Conformance Control Operations. <i>Nanomaterials</i> , 2019 , 10,	5.4	12
67	Upgrading of Extra-Heavy Crude Oils by Dispersed Injection of NiO-PdO/CeO Nanocatalyst-Based Nanofluids in the Steam. <i>Nanomaterials</i> , 2019 , 9,	5.4	21
66	Improvement of Steam Injection Processes Through Nanotechnology: An Approach through in Situ Upgrading and Foam Injection. <i>Energies</i> , 2019 , 12, 4633	3.1	15
65	Nanotechnology Applied to Thermal Enhanced Oil Recovery Processes: A Review. <i>Energies</i> , 2019 , 12, 4671	3.1	37
64	Influence of size and surface acidity of silica nanoparticles on inhibition of the formation damage by bentonite-free water-based drilling fluids. Part I: nanofluid design based on fluid-nanoparticle interaction. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019 , 10, 045020	1.6	5

63	Influence of silica nanoparticles on heavy oil microrheology via time-domain NMR T2 and diffusion probes. <i>Fuel</i> , 2019 , 241, 962-972	7.1	11
62	Enhanced waterflooding with NiO/SiO ₂ 0-D Janus nanoparticles at low concentration. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 174, 40-48	4.4	28
61	Effects of Surface Acidity and Polarity of SiO ₂ Nanoparticles on the Foam Stabilization Applied to Natural Gas Flooding in Tight Gas-Condensate Reservoirs. <i>Energy & Fuels</i> , 2018 , 32, 5824-5833	4.1	38
60	Interaction of anionic surfactant-nanoparticles for gas - Wettability alteration of sandstone in tight gas-condensate reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2018 , 51, 53-64	4.6	56
59	Viscosity reduction of extra heavy crude oil by magnetite nanoparticle-based ferrofluids. <i>Adsorption Science and Technology</i> , 2018 , 36, 23-45	3.6	29
58	Effect of the Asphaltene Oxidation Process on the Formation of Emulsions of Water in Oil (W/O) Model Solutions. <i>Energies</i> , 2018 , 11, 722	3.1	7
57	Development and Evaluation of Surfactant Nanocapsules for Chemical Enhanced Oil Recovery (EOR) Applications. <i>Molecules</i> , 2018 , 23,	4.8	22
56	Suppression of Phase Separation as a Hypothesis to Account for Nuclei or Nanoaggregate Formation by Asphaltenes in Toluene. <i>Energy & Fuels</i> , 2018 , 32, 6669-6677	4.1	20
55	Development of Composite Materials Based on the Interaction between Nanoparticles and Surfactants for Application in Chemical Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12367-12377	3.9	30
54	Ca-DTPMP nanoparticles-based nanofluids for the inhibition and remediation of formation damage due to CaCO ₃ scaling in tight gas-condensate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 169, 636-645	4.4	16
53	Reduction of heavy oil viscosity through ultrasound cavitation assisted by NiO nanocrystals-functionalized SiO ₂ nanoparticles. <i>DYNA (Colombia)</i> , 2018 , 85, 153-160	0.6	11
52	Effect of Sodium Oleate Surfactant Concentration Grafted onto SiO Nanoparticles in Polymer Flooding Processes. <i>ACS Omega</i> , 2018 , 3, 18673-18684	3.9	22
51	Effect of temperature on antioxidant capacity during drying process of mortiB (Vaccinium meridionale Swartz). <i>International Journal of Food Properties</i> , 2017 , 20, 294-305	3	26
50	Effects of glycerol on the minimization of water readsorption on sub-bituminous coal. <i>Drying Technology</i> , 2017 , 35, 249-260	2.6	8
49	Experimental and Theoretical Study of Viscosity Reduction in Heavy Crude Oils by Addition of Nanoparticles. <i>Energy & Fuels</i> , 2017 , 31, 1329-1338	4.1	70
48	Effect of nanoparticle inclusion in fracturing fluids applied to tight gas-condensate reservoirs: Reduction of Methanol loading and the associated formation damage. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 40, 347-355	4.6	27
47	Anomalous Heavy-Oil Rheological Thinning Behavior upon Addition of Nanoparticles: Departure from Einstein's Theory. <i>Chemical Engineering Communications</i> , 2017 , 204, 648-657	2.2	9
46	Effect of SiO ₂ -based nanofluids in the reduction of naphtha consumption for heavy and extra-heavy oils transport: Economic impacts on the Colombian market. <i>Energy Conversion and Management</i> , 2017 , 148, 30-42	10.6	20

45	The effects of SiO ₂ nanoparticles on the thermal stability and rheological behavior of hydrolyzed polyacrylamide based polymeric solutions. <i>Journal of Petroleum Science and Engineering</i> , 2017 , 159, 841-852	4.4	74
44	Chemical Alteration of Wettability of Sandstones with Polysorbate 80. Experimental and Molecular Dynamics Study. <i>Energy & Fuels</i> , 2017 , 31, 11918-11924	4.1	12
43	An Enhanced-Solvent Deasphalting Process: Effect of Inclusion of SiO ₂ Nanoparticles in the Quality of Deasphalted Oil. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-14	3.2	8
42	Nanotechnology applied to the enhancement of oil and gas productivity and recovery of Colombian fields. <i>Journal of Petroleum Science and Engineering</i> , 2017 , 157, 39-55	4.4	81
41	Rheological demonstration of alteration in the heavy crude oil fluid structure upon addition of nanoparticles. <i>Fuel</i> , 2017 , 189, 322-333	7.1	51
40	Remoci3n de hidrocarburos de aguas de producci3n de la industria petrolera utilizando nanointermedios compuestos por SiO ₂ funcionalizados con nanopart3culas magn3ficas. <i>DYNA (Colombia)</i> , 2017 , 84, 65-74	0.6	6
39	Metal Oxide Nanoparticles Supported on Macro-Mesoporous Aluminosilicates for Catalytic Steam Gasification of Heavy Oil Fractions for On-Site Upgrading. <i>Catalysts</i> , 2017 , 7, 319	4	19
38	A New Model for Describing the Rheological Behavior of Heavy and Extra Heavy Crude Oils in the Presence of Nanoparticles. <i>Energies</i> , 2017 , 10, 2064	3.1	5
37	Importance of the Adsorption Method Used for Obtaining the Nanoparticle Dosage for Asphaltene-Related Treatments. <i>Energy & Fuels</i> , 2016 , 30, 2052-2059	4.1	65
36	Effects of Resin I on Asphaltene Adsorption onto Nanoparticles: A Novel Method for Obtaining Asphaltenes/Resin Isotherms. <i>Energy & Fuels</i> , 2016 , 30, 264-272	4.1	71
35	Effect of the temperature in adsorption phenomena of water onto Sub-Bituminous coal. <i>Bolet3n De Ciencias De La Tierra</i> , 2016 , 57-64	0.1	1
34	Glycerol effect on the inhibition of spontaneous combustion of subbituminous coal. <i>Bolet3n De Ciencias De La Tierra</i> , 2016 , 64-74	0.1	1
33	Adsorption-desorption of nC ₇ asphaltenes over micro- and nanoparticles of silica and its impact on wettability alteration. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , 2016 , 6, 89-106	0.5	23
32	Adsorption and catalytic oxidation of asphaltenes in fumed silica nanoparticles: Effect of the surface acidity. <i>DYNA (Colombia)</i> , 2016 , 83, 171	0.6	14
31	Kinetics and mechanisms of the catalytic thermal cracking of asphaltenes adsorbed on supported nanoparticles. <i>Petroleum Science</i> , 2016 , 13, 561-571	4.4	38
30	Role of Particle Size and Surface Acidity of Silica Gel Nanoparticles in Inhibition of Formation Damage by Asphaltene in Oil Reservoirs. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6122-6132	3.9	78
29	Effects of resin I on the catalytic oxidation of n-C ₇ asphaltenes in the presence of silica-based nanoparticles. <i>RSC Advances</i> , 2016 , 6, 74630-74642	3.7	25
28	Effect of nanoparticles/nanofluids on the rheology of heavy crude oil and its mobility on porous media at reservoir conditions. <i>Fuel</i> , 2016 , 184, 222-232	7.1	112

27	Development of a Population Balance Model to Describe the Influence of Shear and Nanoparticles on the Aggregation and Fragmentation of Asphaltene Aggregates. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8201-8211	3.9	83
26	Effect of oxide support on NiPd bimetallic nanocatalysts for steam gasification of n-C 7 asphaltenes. <i>Fuel</i> , 2015 , 156, 110-120	7.1	46
25	Evaluation of the Sorption Equilibrium and Effect of Drying Temperature on the Antioxidant Capacity of the Jaboticaba (<i>Myrciaria cauliflora</i>). <i>Chemical Engineering Communications</i> , 2015 ,	2.2	4
24	Effect of Relative Humidity on the Antioxidant Activity of Spray-Dried Banana Passion Fruit (<i>Passiflora Mollissima Baley</i>)-Coated Pulp: Measurement of the Thermodynamic Properties of Sorption. <i>Chemical Engineering Communications</i> , 2015 , 202, 269-278	2.2	9
23	Efecto Térmico del Secado por Aspersión sobre los Metabolitos Antioxidantes de la Curuba Larga (<i>Passiflora mollissima baley</i>). <i>Informacion Tecnologica (discontinued)</i> , 2015 , 26, 77-84	0.9	2
22	A New Model for Describing the Adsorption of Asphaltenes on Porous Media at a High Pressure and Temperature under Flow Conditions. <i>Energy & Fuels</i> , 2015 , 29, 4210-4221	4.1	31
21	Influence of Asphaltene Aggregation on the Adsorption and Catalytic Behavior of Nanoparticles. <i>Energy & Fuels</i> , 2015 , 29, 1610-1621	4.1	56
20	Compositional characterization and storage capacity of shale samples from La Luna and Conejo Formations (Middle Magdalena basin and the Eastern Cordillera): Implications for evaluation of cretaceous shale gas in Colombia. <i>Boletín De Ciencias De La Tierra</i> , 2015 , 45-53	0.1	2
19	Adsorptive removal of oil spill from oil-in-fresh water emulsions by hydrophobic alumina nanoparticles functionalized with petroleum vacuum residue. <i>Journal of Colloid and Interface Science</i> , 2014 , 425, 168-77	9.3	73
18	Water Remediation Based on Oil Adsorption Using Nanosilicates Functionalized with a Petroleum Vacuum Residue. <i>Adsorption Science and Technology</i> , 2014 , 32, 197-207	3.6	26
17	Removal of oil from oil-in-saltwater emulsions by adsorption onto nano-alumina functionalized with petroleum vacuum residue. <i>Journal of Colloid and Interface Science</i> , 2014 , 433, 58-67	9.3	48
16	A Novel Solid-Liquid Equilibrium Model for Describing the Adsorption of Associating Asphaltene Molecules onto Solid Surfaces Based on the "Chemical Theory". <i>Energy & Fuels</i> , 2014 , 28, 4963-4975	4.1	75
15	Emulsions with heavy crude oil in presence of nanoparticles. <i>Boletín De Ciencias De La Tierra</i> , 2014 , 55-68	0.1	2
14	Adsorption and Subsequent Oxidation of Colombian Asphaltenes onto Nickel and/or Palladium Oxide Supported on Fumed Silica Nanoparticles. <i>Energy & Fuels</i> , 2013 , 27, 7336-7347	4.1	94
13	Nanoparticles for Inhibition of Asphaltenes Damage: Adsorption Study and Displacement Test on Porous Media. <i>Energy & Fuels</i> , 2013 , 27, 2899-2907	4.1	147
12	Modeling and Prediction of Asphaltene Adsorption Isotherms Using Polanyi's Modified Theory. <i>Energy & Fuels</i> , 2013 , 27, 2908-2914	4.1	36
11	Wettability Alteration of Sandstone Cores by Alumina-Based Nanofluids. <i>Energy & Fuels</i> , 2013 , 27, 3659-3665	4.1	261
10	Kinetic and thermodynamic equilibrium of asphaltenes sorption onto nanoparticles of nickel oxide supported on nanoparticulated alumina. <i>Fuel</i> , 2013 , 105, 408-414	7.1	91

9	Polifenoles y Actividad Antioxidante del Fruto de Guayaba Agria (<i>Psidium araca</i>). <i>Informacion Tecnologica (discontinued)</i> , 2013 , 24, 103-112	0.9	14
8	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. <i>Energy Conversion and Management</i> , 2012 , 53, 219-223	10.6	53
7	Sorption of Asphaltenes onto Nanoparticles of Nickel Oxide Supported on Nanoparticulated Silica Gel. <i>Energy & Fuels</i> , 2012 , 26, 1725-1730	4.1	68
6	Sorption Properties of Cape Gooseberry (<i>Physalis peruviana</i> L.). <i>International Journal of Food Engineering</i> , 2012 , 8,	1.9	4
5	A New Model for Predicting Sorption Isotherm of Water in Foods. <i>International Journal of Food Engineering</i> , 2011 , 7,	1.9	5
4	Adsorption of water on Grace Silica Gel 127B at low and high pressure. <i>Adsorption</i> , 2011 , 17, 977-984	2.6	16
3	A rapid and novel approach for predicting water sorption isotherms and isosteric heats of different meat types. <i>Meat Science</i> , 2010 , 86, 921-5	6.4	14
2	Mathematical model of the sorption phenomenon of methanol in activated coal. <i>Energy Conversion and Management</i> , 2009 , 50, 1295-1303	10.6	10
1	Insights into the Morphology Effect of Ceria on the Catalytic Performance of NiO@PdO/CeO ₂ Nanoparticles for Thermo-oxidation of n-C ₇ Asphaltenes under Isothermal Heating at Different Pressures. <i>Energy & Fuels</i> ,	4.1	3