

# Camilo A Franco

## 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.

111  
papers

2,501  
citations

27  
h-index

45  
g-index

114  
ext. papers

3,031  
ext. citations

4  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
111	Effect of pressure on the thermo-oxidative behavior of saturates, aromatics, and resins (S-Ar-R) mixtures. <i>Fuel</i> , <b>2022</b> , 314, 122787	7.1	1
110	Catalytic Decomposition of n-C7 Asphaltenes Using Tungsten Oxides Functionalized SiO <sub>2</sub> Nanoparticles in Steam/Air Atmospheres. <i>Processes</i> , <b>2022</b> , 10, 349	2.9	0
109	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> , <b>2022</b> , 10, 568	2.9	0
108	Freshwater production from air dehumidification using novel SiO <sub>2</sub> -based supported material and solar energy: Colombia case study. <i>Energy Reports</i> , <b>2022</b> , 8, 3115-3126	4.6	0
107	Development of Acid Nanocapsules with Tailored Breaking Reservoir Temperature for the Removal of Formation Damage by Fines Migration. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 4792-4798	4.1	
106	Development of a Novel Green Bio-Nanofluid from Sapindus Saponaria for Enhanced Oil Recovery Processes. <i>Processes</i> , <b>2022</b> , 10, 1057	2.9	
105	Effect of pressure on thermo-oxidative reactions of saturates, aromatics, and resins (S-Ar-R) from extra-heavy crude oil. <i>Fuel</i> , <b>2021</b> , 122596	7.1	1
104	Physical Insights about Viscosity Differences of Asphaltene Dissolved in Benzene and Xylene Isomers: Theoretical/Experimental Approaches. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 18574-18582	4.1	1
103	Field Applications of Nanotechnology in the Oil and Gas Industry: Recent Advances and Perspectives. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 19266-19287	4.1	9
102	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> , <b>2021</b> , 9, 63	2.9	11
101	A Selection Flowchart for Micromodel Experiments Based on Computational Fluid Dynamic Simulations of Surfactant Flooding in Enhanced Oil Recovery. <i>Processes</i> , <b>2021</b> , 9, 1887	2.9	1
100	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> , <b>2021</b> , 281, 111871	7.9	11
99	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> , <b>2021</b> , 319, 111039	5.3	7
98	Catalytic Conversion of -C Asphaltenes and Resins II into Hydrogen Using CeO-Based Nanocatalysts. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
97	Effect of Steam Quality on Extra-Heavy Crude Oil Upgrading and Oil Recovery Assisted with PdO and NiO-Functionalized Al <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Processes</i> , <b>2021</b> , 9, 1009	2.9	6
96	The Creative Act in the Dialogue between Art and Mathematics. <i>Mathematics</i> , <b>2021</b> , 9, 1517	2.3	
95	Well injectivity loss during chemical gas stimulation process in gas-condensate tight reservoirs. <i>Fuel</i> , <b>2021</b> , 283, 118931	7.1	5

94	Effect of surface acidity of SiO <sub>2</sub> nanoparticles on thermal stability of polymer solutions for application in EOR processes. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 196, 107802	4.4	4
93	Phenomenological study of the micro- and macroscopic mechanisms during polymer flooding with SiO <sub>2</sub> nanoparticles. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 198, 108135	4.4	6
92	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. <i>Processes</i> , <b>2021</b> , 9, 175	2.9	4
91	Theoretical and Experimental Approach for Understanding the Interactions Among SiO <sub>2</sub> Nanoparticles, CaCO <sub>3</sub> , and Xanthan Gum Components of Water-Based Mud. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4803-4814	4.1	4
90	Molecular Dynamics Study of the Aggregation Behavior of Polycyclic Aromatic Hydrocarbon Molecules in n-Heptane/Toluene Mixtures: Assessing the Heteroatom Content Effect. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 3119-3129	4.1	6
89	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> , <b>2021</b> , 203, 108494	4.4	6
88	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> , <b>2021</b> , 327, 111424	5.3	2
87	Effect of Pressure on Thermo-oxidation and Thermocatalytic Oxidation of n-C7 Asphaltenes. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2021</b> , 165-200	0.3	
86	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> , <b>2021</b> , 429-444	0.3	
85	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> , <b>2021</b> , 381-405	0.3	
84	Evaluation from Laboratory to Field Trial of Nanofluids for CaCO <sub>3</sub> Scale Inhibition in Oil Wells. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2021</b> , 407-427	0.3	
83	Nanotechnology Applications for Viscosity Reduction of Heavy and Extra-Heavy Oils: A Review. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2021</b> , 241-267	0.3	
82	Influence of Surfactant Adsorption on Surface-Functionalized Silica Nanoparticles for Gas Foam Stability. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2021</b> , 339-357	0.3	
81	Cardanol/SiO <sub>2</sub> Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part I: Novel Nanocomposite Design Based on SiO <sub>2</sub> /Cardanol Interactions. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 7048-7057	4.1	14
80	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> , <b>2020</b> , 10,	5.4	10
79	Thermo-Oxidative Decomposition Behaviors of Different Sources of n-C7 Asphaltenes under High-Pressure Conditions. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 8740-8758	4.1	20
78	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 &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 11359-11369	3.9	10
77	A novel design of silica-based completion nanofluids for heavy oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , <b>2020</b> , 194, 107483	4.4	6

76	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> , <b>2020</b> , 5, 5085-5097	3.9	19
75	Effect of Multifunctional Nanocatalysts on n-C7 Asphaltene Adsorption and Subsequent Oxidation under High-Pressure Conditions. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 6261-6278	4.1	16
74	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> , <b>2020</b> , 315, 113754	6	9
73	Functionalization of $\gamma$ -Alumina and Magnesia Nanoparticles with a Fluorocarbon Surfactant to Promote Ultra-Gas-Wet Surfaces: Experimental and Theoretical Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13510-13520	9.5	14
72	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> , <b>2020</b> , 11, 015011	1.6	5
71	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> , <b>2020</b> , 303, 112664	6	11
70	Disaggregation and discretization methods for formation damage estimation in oil and gas fields: an overview. <i>DYNA (Colombia)</i> , <b>2020</b> , 87, 105-115	0.6	4
69	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> , <b>2020</b> , 35, 101222	6.7	8
68	NiO, Fe <sub>2</sub> O <sub>3</sub> , and MoO <sub>3</sub> Supported over SiO <sub>2</sub> Nanocatalysts for Asphaltene Adsorption and Catalytic Decomposition: Optimization through a Simplex-Centroid Mixture Design of Experiments. <i>Catalysts</i> , <b>2020</b> , 10, 569	4	13
67	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> , <b>2020</b> , 10,	5.4	3
66	Improving the stability of nitrogen foams using silica nanoparticles coated with polyethylene glycol. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 300, 112256	6	19
65	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 &amp; Fuels</i> , <b>2020</b> , 34, 12517-12526	4.1	5
64	Cardanol /SiO <sub>2</sub> 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> , <b>2020</b> , 5, 27800-27810	3.9	6
63	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> , <b>2020</b> , 10,	5.4	18
62	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> , <b>2020</b> , 184, 106589	4.4	20
61	Effect of the NiO/SiO <sub>2</sub> Nanoparticles-Assisted Ultrasound Cavitation Process on the Rheological Properties of Heavy Crude Oil: Steady State Rheometry and Oscillatory Tests. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 9671-9680	4.1	13
60	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> , <b>2019</b> , 4, 16171-16180	3.9	26
59	Dual-Purpose Materials Based on Carbon Xerogel Microspheres (CXMs) for Delayed Release of Cannabidiol (CBD) and Subsequent Aflatoxin Removal. <i>Molecules</i> , <b>2019</b> , 24,	4.8	2

58	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> , <b>2019</b> , 136, 47568	2.9	15
57	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> , <b>2019</b> , 9,	5.4	21
56	Dynamic Molecular Modeling and Experimental Approach of Fluorocarbon Surfactant-Functionalized SiO <sub>2</sub> Nanoparticles for Gas-Wettability Alteration on Sandstones. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 1860-1872	2.8	10
55	Optimization of the Load of Transition Metal Oxides (FeO, CoO, NiO and/or PdO) onto CeO <sub>2</sub> Nanoparticles in Catalytic Steam Decomposition of -CAsphaltenes at Low Temperatures. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	26
54	Development of Nanofluids for Perdurability in Viscosity Reduction of Extra-Heavy Oils. <i>Energies</i> , <b>2019</b> , 12, 1068	3.1	21
53	Immobilization of on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
52	Effect of Magnetic Iron CoreCarbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 4158-4168	4.1	25
51	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. <i>Materials</i> , <b>2019</b> , 12,	3.5	4
50	Effect of Pressure on the Oxidation Kinetics of Asphaltenes. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 10734-10744	4.1	23
49	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> , <b>2019</b> , 10,	5.4	12
48	Upgrading of Extra-Heavy Crude Oils by Dispersed Injection of NiO-PdO/CeO Nanocatalyst-Based Nanofluids in the Steam. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	21
47	Improvement of Steam Injection Processes Through Nanotechnology: An Approach through in Situ Upgrading and Foam Injection. <i>Energies</i> , <b>2019</b> , 12, 4633	3.1	15
46	Nanotechnology Applied to Thermal Enhanced Oil Recovery Processes: A Review. <i>Energies</i> , <b>2019</b> , 12, 4671	3.1	37
45	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> , <b>2019</b> , 10, 045020	1.6	5
44	Enhanced waterflooding with NiO/SiO <sub>2</sub> 0-D Janus nanoparticles at low concentration. <i>Journal of Petroleum Science and Engineering</i> , <b>2019</b> , 174, 40-48	4.4	28
43	Effects of Surface Acidity and Polarity of SiO <sub>2</sub> Nanoparticles on the Foam Stabilization Applied to Natural Gas Flooding in Tight Gas-Condensate Reservoirs. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 5824-5833	4.1	38
42	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> , <b>2018</b> , 51, 53-64	4.6	56
41	Viscosity reduction of extra heavy crude oil by magnetite nanoparticle-based ferrofluids. <i>Adsorption Science and Technology</i> , <b>2018</b> , 36, 23-45	3.6	29

40	Effect of the Asphaltene Oxidation Process on the Formation of Emulsions of Water in Oil (W/O) Model Solutions. <i>Energies</i> , <b>2018</b> , 11, 722	3.1	7
39	Heavy Oil Upgrading and Enhanced Recovery in a Steam Injection Process Assisted by NiO- and PdO-Functionalized SiO <sub>2</sub> Nanoparticulated Catalysts. <i>Catalysts</i> , <b>2018</b> , 8, 132	4	31
38	Development and Evaluation of Surfactant Nanocapsules for Chemical Enhanced Oil Recovery (EOR) Applications. <i>Molecules</i> , <b>2018</b> , 23,	4.8	22
37	Suppression of Phase Separation as a Hypothesis to Account for Nuclei or Nanoaggregate Formation by Asphaltenes in Toluene. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 6669-6677	4.1	20
36	Development of Composite Materials Based on the Interaction between Nanoparticles and Surfactants for Application in Chemical Enhanced Oil Recovery. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 12367-12377	3.9	30
35	Ca-DTPMP nanoparticles-based nanofluids for the inhibition and remediation of formation damage due to CaCO <sub>3</sub> scaling in tight gas-condensate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 169, 636-645	4.4	16
34	Reduction of heavy oil viscosity through ultrasound cavitation assisted by NiO nanocrystals-functionalized SiO <sub>2</sub> nanoparticles. <i>DYNA (Colombia)</i> , <b>2018</b> , 85, 153-160	0.6	11
33	Effect of Sodium Oleate Surfactant Concentration Grafted onto SiO Nanoparticles in Polymer Flooding Processes. <i>ACS Omega</i> , <b>2018</b> , 3, 18673-18684	3.9	22
32	Experimental and Theoretical Study of Viscosity Reduction in Heavy Crude Oils by Addition of Nanoparticles. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 1329-1338	4.1	70
31	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> , <b>2017</b> , 40, 347-355	4.6	27
30	Anomalous Heavy-Oil Rheological Thinning Behavior upon Addition of Nanoparticles: Departure from Einstein Theory. <i>Chemical Engineering Communications</i> , <b>2017</b> , 204, 648-657	2.2	9
29	The effects of SiO <sub>2</sub> nanoparticles on the thermal stability and rheological behavior of hydrolyzed polyacrylamide based polymeric solutions. <i>Journal of Petroleum Science and Engineering</i> , <b>2017</b> , 159, 841-852	4.4	74
28	An Enhanced-Solvent Deasphalting Process: Effect of Inclusion of SiO <sub>2</sub> Nanoparticles in the Quality of Deasphalted Oil. <i>Journal of Nanomaterials</i> , <b>2017</b> , 2017, 1-14	3.2	8
27	Nanotechnology applied to the enhancement of oil and gas productivity and recovery of Colombian fields. <i>Journal of Petroleum Science and Engineering</i> , <b>2017</b> , 157, 39-55	4.4	81
26	Rheological demonstration of alteration in the heavy crude oil fluid structure upon addition of nanoparticles. <i>Fuel</i> , <b>2017</b> , 189, 322-333	7.1	51
25	Remoción de hidrocarburos de aguas de producción de la industria petrolera utilizando nanointermedios compuestos por SiO <sub>2</sub> funcionalizados con nanopartículas magnéticas. <i>DYNA (Colombia)</i> , <b>2017</b> , 84, 65-74	0.6	6
24	Metal Oxide Nanoparticles Supported on Macro-Mesoporous Aluminosilicates for Catalytic Steam Gasification of Heavy Oil Fractions for On-Site Upgrading. <i>Catalysts</i> , <b>2017</b> , 7, 319	4	19
23	A New Model for Describing the Rheological Behavior of Heavy and Extra Heavy Crude Oils in the Presence of Nanoparticles. <i>Energies</i> , <b>2017</b> , 10, 2064	3.1	5

22	Heavy Oil Upgrading and Enhanced Recovery in a Continuous Steam Injection Process Assisted by Nanoparticulated Catalysts <b>2016</b> ,		15
21	Importance of the Adsorption Method Used for Obtaining the Nanoparticle Dosage for Asphaltene-Related Treatments. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 2052-2059	4.1	65
20	Effects of Resin I on Asphaltene Adsorption onto Nanoparticles: A Novel Method for Obtaining Asphaltenes/Resin Isotherms. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 264-272	4.1	71
19	Adsorption-desorption of n-C7 asphaltenes over micro- and nanoparticles of silica and its impact on wettability alteration. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , <b>2016</b> , 6, 89-106	0.5	23
18	Adsorption and catalytic oxidation of asphaltenes in fumed silica nanoparticles: Effect of the surface acidity. <i>DYNA (Colombia)</i> , <b>2016</b> , 83, 171	0.6	14
17	Kinetics and mechanisms of the catalytic thermal cracking of asphaltenes adsorbed on supported nanoparticles. <i>Petroleum Science</i> , <b>2016</b> , 13, 561-571	4.4	38
16	Application of Nanofluids for Improving Oil Mobility in Heavy Oil and Extra-Heavy Oil: A Field Test <b>2016</b> ,		22
15	Role of Particle Size and Surface Acidity of Silica Gel Nanoparticles in Inhibition of Formation Damage by Asphaltene in Oil Reservoirs. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6122-6132	3.9	78
14	Effects of resin I on the catalytic oxidation of n-C7 asphaltenes in the presence of silica-based nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 74630-74642	3.7	25
13	Effect of nanoparticles/nanofluids on the rheology of heavy crude oil and its mobility on porous media at reservoir conditions. <i>Fuel</i> , <b>2016</b> , 184, 222-232	7.1	112
12	Development of a Population Balance Model to Describe the Influence of Shear and Nanoparticles on the Aggregation and Fragmentation of Asphaltene Aggregates. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 8201-8211	3.9	83
11	Effect of oxide support on NiPd bimetallic nanocatalysts for steam gasification of n-C 7 asphaltenes. <i>Fuel</i> , <b>2015</b> , 156, 110-120	7.1	46
10	A New Model for Describing the Adsorption of Asphaltenes on Porous Media at a High Pressure and Temperature under Flow Conditions. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 4210-4221	4.1	31
9	Influence of Asphaltene Aggregation on the Adsorption and Catalytic Behavior of Nanoparticles. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 1610-1621	4.1	56
8	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> , <b>2014</b> , 425, 168-77	9.3	73
7	Water Remediation Based on Oil Adsorption Using Nanosilicates Functionalized with a Petroleum Vacuum Residue. <i>Adsorption Science and Technology</i> , <b>2014</b> , 32, 197-207	3.6	26
6	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> , <b>2014</b> , 433, 58-67	9.3	48
5	A Novel Solid-Liquid Equilibrium Model for Describing the Adsorption of Associating Asphaltene Molecules onto Solid Surfaces Based on the Chemical Theory <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 4963-4975	4.1	75

4	Adsorption and Subsequent Oxidation of Colombian Asphaltenes onto Nickel and/or Palladium Oxide Supported on Fumed Silica Nanoparticles. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7336-7347	4.1	94
3	Nanoparticles for Inhibition of Asphaltenes Damage: Adsorption Study and Displacement Test on Porous Media. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 2899-2907	4.1	147
2	Kinetic and thermodynamic equilibrium of asphaltenes sorption onto nanoparticles of nickel oxide supported on nanoparticulated alumina. <i>Fuel</i> , <b>2013</b> , 105, 408-414	7.1	91
1	Insights into the Morphology Effect of Ceria on the Catalytic Performance of NiO/PdO/CeO <sub>2</sub> Nanoparticles for Thermo-oxidation of n-C <sub>7</sub> Asphaltenes under Isothermal Heating at Different Pressures. <i>Energy &amp; Fuels</i> ,	4.1	3