Farid B CortÃ©s

List of Publications by Year
in descending order

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130	4,250	117453	138251
papers	citations	34 h-index	58 g-index

138	138	138	2016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wettability Alteration of Sandstone Cores by Alumina-Based Nanofluids. Energy & Fuels, 2013, 27, 3659-3665.	2.5	329
2	Nanoparticles for Inhibition of Asphaltenes Damage: Adsorption Study and Displacement Test on Porous Media. Energy & Fuels, 2013, 27, 2899-2907.	2.5	179
3	Effect of nanoparticles/nanofluids on the rheology of heavy crude oil and its mobility on porous media at reservoir conditions. Fuel, 2016, 184, 222-232.	3.4	143
4	Nanotechnology applied to the enhancement of oil and gas productivity and recovery of Colombian fields. Journal of Petroleum Science and Engineering, 2017, 157, 39-55.	2.1	114
5	Adsorption and Subsequent Oxidation of Colombian Asphaltenes onto Nickel and/or Palladium Oxide Supported on Fumed Silica Nanoparticles. Energy & Fuels, 2013, 27, 7336-7347.	2.5	112
6	Kinetic and thermodynamic equilibrium of asphaltenes sorption onto nanoparticles of nickel oxide supported on nanoparticulated alumina. Fuel, 2013, 105, 408-414.	3.4	112
7	Development of a Population Balance Model to Describe the Influence of Shear and Nanoparticles on the Aggregation and Fragmentation of Asphaltene Aggregates. Industrial & Engineering Chemistry Research, 2015, 54, 8201-8211.	1.8	106
8	Experimental and Theoretical Study of Viscosity Reduction in Heavy Crude Oils by Addition of Nanoparticles. Energy & Fuels, 2017, 31, 1329-1338.	2.5	105
9	Role of Particle Size and Surface Acidity of Silica Gel Nanoparticles in Inhibition of Formation Damage by Asphaltene in Oil Reservoirs. Industrial & Engineering Chemistry Research, 2016, 55, 6122-6132.	1.8	102
10	The effects of SiO2 nanoparticles on the thermal stability and rheological behavior of hydrolyzed polyacrylamide based polymeric solutions. Journal of Petroleum Science and Engineering, 2017, 159, 841-852.	2.1	99
11	Effects of Resin I on Asphaltene Adsorption onto Nanoparticles: A Novel Method for Obtaining Asphaltenes/Resin Isotherms. Energy & Fuels, 2016, 30, 264-272.	2.5	93
12	A Novel Solidâ€“Liquid Equilibrium Model for Describing the Adsorption of Associating Asphaltene Molecules onto Solid Surfaces Based on the â€œChemical Theoryâ€• Energy & Fuels, 2014, 28, 4963-4975.	2.5	92
13	Adsorptive removal of oil spill from oil-in-fresh water emulsions by hydrophobic alumina nanoparticles functionalized with petroleum vacuum residue. Journal of Colloid and Interface Science, 2014, 425, 168-177.	5.0	83
14	Sorption of Asphaltenes onto Nanoparticles of Nickel Oxide Supported on Nanoparticulated Silica Gel. Energy & Fuels, 2012, 26, 1725-1730.	2.5	81
15	Importance of the Adsorption Method Used for Obtaining the Nanoparticle Dosage for Asphaltene-Related Treatments. Energy & Fuels, 2016, 30, 2052-2059.	2.5	79
16	Interaction of anionic surfactant-nanoparticles for gas - Wettability alteration of sandstone in tight gas-condensate reservoirs. Journal of Natural Gas Science and Engineering, 2018, 51, 53-64.	2.1	75
17	Rheological demonstration of alteration in the heavy crude oil fluid structure upon addition of nanoparticles. Fuel, 2017, 189, 322-333.	3.4	74
18	Influence of Asphaltene Aggregation on the Adsorption and Catalytic Behavior of Nanoparticles. Energy & Fuels, 2015, 29, 1610-1621.	2.5	65

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19	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. Energy Conversion and Management, 2012, 53, 219-223.	4.4	64
20	Effect of oxide support on Niâ€“Pd bimetallic nanocatalysts for steam gasification of n-C 7 asphaltenes. Fuel, 2015, 156, 110-120.	3.4	57
21	Nanotechnology Applied to Thermal Enhanced Oil Recovery Processes: A Review. Energies, 2019, 12, 4671.	1.6	56
22	Removal of oil from oil-in-saltwater emulsions by adsorption onto nano-alumina functionalized with petroleum vacuum residue. Journal of Colloid and Interface Science, 2014, 433, 58-67.	5.0	55
23	A novel foam formulation by Al2O3/SiO2 nanoparticles for EOR applications: A mechanistic study. Journal of Molecular Liquids, 2020, 304, 112730.	2.3	55
24	Effects of Surface Acidity and Polarity of SiO2 Nanoparticles on the Foam Stabilization Applied to Natural Gas Flooding in Tight Gas-Condensate Reservoirs. Energy & Fuels, 2018, 32, 5824-5833.	2.5	50
25	Kinetics and mechanisms of the catalytic thermal cracking of asphaltenes adsorbed on supported nanoparticles. Petroleum Science, 2016, 13, 561-571.	2.4	49
26	Immobilization of Andean berry (Vaccinium meridionale) polyphenols on nanocellulose isolated from banana residues: A natural food additive with antioxidant properties. Food Chemistry, 2019, 294, 503-517.	4.2	43
27	Enhanced waterflooding with NiO/SiO2 0-D Janus nanoparticles at low concentration. Journal of Petroleum Science and Engineering, 2019, 174, 40-48.	2.1	43
28	Modeling and Prediction of Asphaltene Adsorption Isotherms Using Polanyiâ€™s Modified Theory. Energy & Fuels, 2013, 27, 2908-2914.	2.5	42
29	Viscosity reduction of extra heavy crude oil by magnetite nanoparticle-based ferrofluids. Adsorption Science and Technology, 2018, 36, 23-45.	1.5	40
30	Effect of temperature on antioxidant capacity during drying process of mortiÃ±o (Vaccinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.3	39
31	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactantâ€“Nanoparticleâ€“Brine System Interaction. ACS Omega, 2019, 4, 16171-16180.	1.6	39
32	Improving the stability of nitrogen foams using silica nanoparticles coated with polyethylene glycol. Journal of Molecular Liquids, 2020, 300, 112256.	2.3	38
33	Development of Composite Materials Based on the Interaction between Nanoparticles and Surfactants for Application in Chemical Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2018, 57, 12367-12377.	1.8	36
34	A New Model for Describing the Adsorption of Asphaltenes on Porous Media at a High Pressure and Temperature under Flow Conditions. Energy & Fuels, 2015, 29, 4210-4221.	2.5	35
35	Effect of nanoparticle inclusion in fracturing fluids applied to tight gas-condensate reservoirs: Reduction of Methanol loading and the associated formation damage. Journal of Natural Gas Science and Engineering, 2017, 40, 347-355.	2.1	34
36	Optimization of the Load of Transition Metal Oxides (Fe2O3, Co3O4, NiO and/or PdO) onto CeO2 Nanoparticles in Catalytic Steam Decomposition of n-C7 Asphaltenes at Low Temperatures. Nanomaterials, 2019, 9, 401.	1.9	34

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37	Effect of Magnetic Iron Coreâ€“Carbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. Energy & Fuels, 2019, 33, 4158-4168.	2.5	34
38	Effect of Sodium Oleate Surfactant Concentration Grafted onto SiO₂ Nanoparticles in Polymer Flooding Processes. ACS Omega, 2018, 3, 18673-18684.	1.6	33
39	Development and Evaluation of Surfactant Nanocapsules for Chemical Enhanced Oil Recovery (EOR) Applications. Molecules, 2018, 23, 1523.	1.7	32
40	Suppression of Phase Separation as a Hypothesis to Account for Nuclei or Nanoaggregate Formation by Asphaltenes in Toluene. Energy & Fuels, 2018, 32, 6669-6677.	2.5	32
41	Adsorption-desorption of nâ€“C7 asphaltenes over micro- and nanoparticles of silica and its impact on wettability alteration. CTyF - Ciencia, Tecnologia Y Futuro, 2016, 6, 89-106.	0.3	31
42	Influence of the Ce4+/Ce3+ Redox-Couple on the Cyclic Regeneration for Adsorptive and Catalytic Performance of NiO-PdO/CeO2Â±Î´ Nanoparticles for n-C7 Asphaltene Steam Gasification. Nanomaterials, 2019, 9, 734.	1.9	31
43	Upgrading of Extra-Heavy Crude Oils by Dispersed Injection of NiOâ€“PdO/CeO2Â±Î´ Nanocatalyst-Based Nanofluids in the Steam. Nanomaterials, 2019, 9, 1755.	1.9	31
44	Field Applications of Nanotechnology in the Oil and Gas Industry: Recent Advances and Perspectives. Energy & Fuels, 2021, 35, 19266-19287.	2.5	31
45	Effect of Pressure on the Oxidation Kinetics of Asphaltenes. Energy & Fuels, 2019, 33, 10734-10744.	2.5	30
46	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. Journal of Petroleum Science and Engineering, 2020, 184, 106589.	2.1	30
47	Design and Tuning of Nanofluids Applied to Chemical Enhanced Oil Recovery Based on the Surfactantâ€“Nanoparticleâ€“Brine Interaction: From Laboratory Experiments to Oil Field Application. Nanomaterials, 2020, 10, 1579.	1.9	30
48	Thermo-Oxidative Decomposition Behaviors of Different Sources of n-C₇ Asphaltenes under High-Pressure Conditions. Energy & Fuels, 2020, 34, 8740-8758.	2.5	30
49	Effect of Textural Properties and Surface Chemical Nature of Silica Nanoparticles from Different Silicon Sources on the Viscosity Reduction of Heavy Crude Oil. ACS Omega, 2020, 5, 5085-5097.	1.6	30
50	Water Remediation Based on Oil Adsorption Using Nanosilicates Functionalized with a Petroleum Vacuum Residue. Adsorption Science and Technology, 2014, 32, 197-207.	1.5	29
51	Effects of resin I on the catalytic oxidation of n-C₇asphaltenes in the presence of silica-based nanoparticles. RSC Advances, 2016, 6, 74630-74642.	1.7	29
52	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. Energy Conversion and Management, 2017, 148, 30-42.	4.4	29
53	Development of Nanofluids for Perdurability in Viscosity Reduction of Extra-Heavy Oils. Energies, 2019, 12, 1068.	1.6	26
54	Metal Oxide Nanoparticles Supported on Macro-Mesoporous Aluminosilicates for Catalytic Steam Gasification of Heavy Oil Fractions for On-Site Upgrading. Catalysts, 2017, 7, 319.	1.6	25

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55	Polifenoles y Actividad Antioxidante del Fruto de Guayaba Agria (Psidium araca). Informacion Tecnologica (discontinued), 2013, 24, 103-112.	0.1	24
56	Effect of resin/asphaltene ratio on the rheological behavior of asphaltene solutions in a de-asphalted oil and p-xylene: A theoreticalâ€“experimental approach. Journal of Molecular Liquids, 2020, 315, 113754.	2.3	24
57	Effect of Multifunctional Nanocatalysts on n-C₇ Asphaltene Adsorption and Subsequent Oxidation under High-Pressure Conditions. Energy & Fuels, 2020, 34, 6261-6278.	2.5	23
58	Ca-DTPMP nanoparticles-based nanofluids for the inhibition and remediation of formation damage due to CaCO3 scaling in tight gas-condensate reservoirs. Journal of Petroleum Science and Engineering, 2018, 169, 636-645.	2.1	23
59	Effect of the NiO/SiO₂ Nanoparticles-Assisted Ultrasound Cavitation Process on the Rheological Properties of Heavy Crude Oil: Steady State Rheometry and Oscillatory Tests. Energy & Fuels, 2019, 33, 9671-9680.	2.5	22
60	Cardanol/SiO₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part I: Novel Nanocomposite Design Based on SiO₂â€“Cardanol Interactions. Energy & Fuels, 2020, 34, 7048-7057.	2.5	22
61	Effect of the nanoparticles in the stability of hydrolyzed polyacrylamide/resorcinol/formaldehyde gel systems for water shutâ€off/conformance control applications. Journal of Applied Polymer Science, 2019, 136, 47568.	1.3	21
62	Improvement of Steam Injection Processes Through Nanotechnology: An Approach through in Situ Upgrading and Foam Injection. Energies, 2019, 12, 4633.	1.6	21
63	Easy and Rapid Synthesis of Carbon Quantum Dots from MortiÃ±o (Vaccinium Meridionale Swartz) Extract for Use as Green Tracers in the Oil and Gas Industry: Lab-to-Field Trial Development in Colombia. Industrial & Engineering Chemistry Research, 2020, 59, 11359-11369.	1.8	21
64	NiO, Fe2O3, and MoO3 Supported over SiO2 Nanocatalysts for Asphaltene Adsorption and Catalytic Decomposition: Optimization through a Simplexâ€“Centroid Mixture Design of Experiments. Catalysts, 2020, 10, 569.	1.6	21
65	Functionalization of Î³-Alumina and Magnesia Nanoparticles with a Fluorocarbon Surfactant to Promote Ultra-Gas-Wet Surfaces: Experimental and Theoretical Approach. ACS Applied Materials & Interfaces, 2020, 12, 13510-13520.	4.0	20
66	Physicochemical characteristics of calcined MnFe2O4 solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C7 asphaltenes with air. Journal of Environmental Management, 2021, 281, 111871.	3.8	20
67	Reduction of heavy oil viscosity through ultrasound cavitation assisted by NiO nanocrystals-functionalized SiO2 nanoparticles. DYNA (Colombia), 2018, 85, 153-160.	0.2	19
68	Development of Nanofluids for the Inhibition of Formation Damage Caused by Fines Migration: Effect of the Interaction of Quaternary Amine (CTAB) and MgO Nanoparticles. Nanomaterials, 2020, 10, 928.	1.9	18
69	Investigating the Performance of Carboxylate-Alumoxane Nanoparticles as a Novel Chemically Functionalized Inhibitor on Asphaltene Precipitation. ACS Omega, 2020, 5, 16149-16164.	1.6	18
70	Theoretical-experimental evaluation of rheological behavior of asphaltene solutions in toluene and p-xylene: Effect of the additional methyl group. Journal of Molecular Liquids, 2020, 303, 112664.	2.3	18
71	Adsorption of water on Grace Silica Gel 127B at low and high pressure. Adsorption, 2011, 17, 977-984.	1.4	17
72	Phenomenological study of the micro- and macroscopic mechanisms during polymer flooding with SiO2 nanoparticles. Journal of Petroleum Science and Engineering, 2021, 198, 108135.	2.1	17

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73	A rapid and novel approach for predicting water sorption isotherms and isosteric heats of different meat types. Meat Science, 2010, 86, 921-925.	2.7	16
74	Adsorption and catalytic oxidation of asphaltenes in fumed silica nanoparticles: Effect of the surface acidity. DYNA (Colombia), 2016, 83, 171.	0.2	16
75	Injection of Nanofluids with Fluorosurfactant-Modified Nanoparticles Dispersed in a Flue Gas Stream at Very Low Concentration for Enhanced Oil Recovery (EOR) in Tight Gasâ€“Condensate Reservoirs. Energy & Fuels, 2020, 34, 12517-12526.	2.5	15
76	Nano-Intermediate of Magnetite Nanoparticles Supported on Activated Carbon from Spent Coffee Grounds for Treatment of Wastewater from Oil Industry and Energy Production. Processes, 2021, 9, 63.	1.3	15
77	Chemical Alteration of Wettability of Sandstones with Polysorbate 80. Experimental and Molecular Dynamics Study. Energy & Fuels, 2017, 31, 11918-11924.	2.5	14
78	Immobilization of P. stutzeri on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. Nanomaterials, 2019, 9, 500.	1.9	14
79	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. Nanomaterials, 2020, 10, 74.	1.9	14
80	Mathematical model of the sorption phenomenon of methanol in activated coal. Energy Conversion and Management, 2009, 50, 1295-1303.	4.4	13
81	Dynamic Molecular Modeling and Experimental Approach of Fluorocarbon Surfactant-Functionalized SiO₂ Nanoparticles for Gas-Wettability Alteration on Sandstones. Journal of Chemical & Engineering Data, 2019, 64, 1860-1872.	1.0	13
82	Influence of silica nanoparticles on heavy oil microrheology via time-domain NMR T2 and diffusion probes. Fuel, 2019, 241, 962-972.	3.4	13
83	Catalytic Conversion of n-C7 Asphaltenes and Resins II into Hydrogen Using CeO2-Based Nanocatalysts. Nanomaterials, 2021, 11, 1301.	1.9	13
84	Anomalous Heavy-Oil Rheological Thinning Behavior upon Addition of Nanoparticles: Departure from Einsteinâ€™s Theory. Chemical Engineering Communications, 2017, 204, 648-657.	1.5	12
85	Cardanol /SiO₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part II: Nanocomposite Evaluation and Coreflooding Test. ACS Omega, 2020, 5, 27800-27810.	1.6	12
86	Novel biomaterial design based on Pseudomonas stutzeriâ€“carbon xerogel microspheres for hydrocarbon removal from oil-in-saltwater emulsions: A new proposed treatment of produced water in oilfields. Journal of Water Process Engineering, 2020, 35, 101222.	2.6	12
87	Effect of surface acidity of SiO2 nanoparticles on thermal stability of polymer solutions for application in EOR processes. Journal of Petroleum Science and Engineering, 2021, 196, 107802.	2.1	12
88	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. Processes, 2021, 9, 175.	1.3	12
89	Molecular Dynamics Study of the Aggregation Behavior of Polycyclic Aromatic Hydrocarbon Molecules in n-Heptaneâ€“Toluene Mixtures: Assessing the Heteroatom Content Effect. Energy & Fuels, 2021, 35, 3119-3129.	2.5	12
90	Insights into the Morphology Effect of Ceria on the Catalytic Performance of NiOâ€“PdO/CeO₂ Nanoparticles for Thermo-oxidation of n-C₇ Asphaltenes under Isothermal Heating at Different Pressures. Energy & Fuels, 2021, 35, 18170-18184.	2.5	12

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91	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. Journal of Petroleum Science and Engineering, 2021, 203, 108494.	2.1	12
92	Effect of Relative Humidity on the Antioxidant Activity of Spray-Dried Banana Passion Fruit (Passiflora) Tj ETQq0 0 0 rgBT /Overlock 10 T Engineering Communications, 2015, 202, 269-278.	1.5	11
93	An Enhanced-Solvent Deasphalting Process: Effect of Inclusion of SiO₂Nanoparticles in the Quality of Deasphalted Oil. Journal of Nanomaterials, 2017, 2017, 1-14.	1.5	11
94	Effect of the Asphaltene Oxidation Process on the Formation of Emulsions of Water in Oil (W/O) Model Solutions. Energies, 2018, 11, 722.	1.6	11
95	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. Materials, 2019, 12, 2088.	1.3	11
96	Theoretical and Experimental Approach for Understanding the Interactions Among SiO₂Nanoparticles, CaCO₃, and Xanthan Gum Components of Water-Based Mud. Energy & Fuels, 2021, 35, 4803-4814.	2.5	11
97	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. Microporous and Mesoporous Materials, 2021, 319, 111039.	2.2	11
98	Effect of Steam Quality on Extra-Heavy Crude Oil Upgrading and Oil Recovery Assisted with PdO and NiO-Functionalized Al2O3 Nanoparticles. Processes, 2021, 9, 1009.	1.3	11
99	Biomass-Derived Carbon Molecular Sieves Applied to an Enhanced Carbon Capture and Storage Process (e-CCS) for Flue Gas Streams in Shallow Reservoirs. Nanomaterials, 2020, 10, 980.	1.9	10
100	Effects of glycerol on the minimization of water readsorption on sub-bituminous coal. Drying Technology, 2017, 35, 249-260.	1.7	9
101	Chemical Composition and Low-Temperature Fluidity Properties of Jet Fuels. Processes, 2021, 9, 1184.	1.3	9
102	Effect of pressure on thermo-oxidative reactions of saturates, aromatics, and resins (S-Ar-R) from extra-heavy crude oil. Fuel, 2022, 311, 122596.	3.4	9
103	Physical Insights about Viscosity Differences of Asphaltene Dissolved in Benzene and Xylene Isomers: Theoreticalâ€“Experimental Approaches. Energy & Fuels, 2021, 35, 18574-18582.	2.5	9
104	RemociÃ³n de hidrocarburos de aguas de producciÃ³n de la industria petrolera utilizando nanointermedios compuestos por SiO2 funcionalizados con nanopartÃculas magnÃ©ticas. DYNA (Colombia), 2017, 84, 65-74.	0.2	8
105	A novel design of silica-based completion nanofluids for heavy oil reservoirs. Journal of Petroleum Science and Engineering, 2020, 194, 107483.	2.1	8
106	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. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 015011.	0.7	8
107	Well injectivity loss during chemical gas stimulation process in gas-condensate tight reservoirs. Fuel, 2021, 283, 118931.	3.4	8
108	A New Model for Describing the Rheological Behavior of Heavy and Extra Heavy Crude Oils in the Presence of Nanoparticles. Energies, 2017, 10, 2064.	1.6	7

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109	Disaggregation and discretization methods for formation damage estimation in oil and gas fields: an overview. DYNA (Colombia), 2020, 87, 105-115.	0.2	7
110	A New Model for Predicting Sorption Isotherm of Water in Foods. International Journal of Food Engineering, 2011, 7, .	0.7	6
111	Evaluation of the Sorption Equilibrium and Effect of Drying Temperature on the Antioxidant Capacity of the Jaboticaba(Myrciaria Cauliflora). Chemical Engineering Communications, 2015, , .	1.5	6
112	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. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2019, 10, 045020.	0.7	6
113	Development of a monolithic carbon xerogel-metal composite for crude oil removal from oil in-saltwater emulsions: Evaluation of reuse cycles. Microporous and Mesoporous Materials, 2021, 327, 111424.	2.2	6
114	Dual-Purpose Materials Based on Carbon Xerogel Microspheres (CXMs) for Delayed Release of Cannabidiol (CBD) and Subsequent Aflatoxin Removal. Molecules, 2019, 24, 3398.	1.7	5
115	Sorption Properties of Cape Gooseberry (Physalis peruviana L.). International Journal of Food Engineering, 2012, 8, .	0.7	4
116	Effect of pressure on the thermo-oxidative behavior of saturates, aromatics, and resins (S-Ar-R) mixtures. Fuel, 2022, 314, 122787.	3.4	4
117	Emulsions with heavy crude oil in presence of nanoparticles. BoletÃn De Ciencias De La Tierra, 2014, , 55-68.	0.1	3
118	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. BoletÃn De Ciencias De La Tierra, 2015, , 45-53.	0.1	3
119	A Selection Flowchart for Micromodel Experiments Based on Computational Fluid Dynamic Simulations of Surfactant Flooding in Enhanced Oil Recovery. Processes, 2021, 9, 1887.	1.3	3
120	Effect of ionic strength in low salinity water injection processes. CTyF - Ciencia, Tecnologia Y Futuro, 2020, 10, 17-26.	0.3	3
121	Development of a Novel Green Bio-Nanofluid from Sapindus Saponaria for Enhanced Oil Recovery Processes. Processes, 2022, 10, 1057.	1.3	3
122	Efecto TÃ©rmico del Secado por AspersiÃ³n sobre los Metabolitos Antioxidantes de la Curuba Larga (Passiflora mollisima baley). Informacion Tecnologica (discontinued), 2015, 26, 77-84.	0.1	2
123	Technical and Environmental Feasibility Study of the Co-Production of Crude Oil and Electrical Energy from Geothermal Resources: First Field Trial in Colombia. Processes, 2022, 10, 568.	1.3	2
124	Freshwater production from air dehumidification using novel SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e378" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>-based supported material and solar energy: Colombia case study. Energy Reports, 2022, 8, 3115-3126.	2.5	2
125	Development and Evaluation from Laboratory to Field Trial of a Dual-Purpose Fracturing Nanofluid: Inhibition of Associated Formation Damage and Increasing Heavy Crude Oil Mobility. Nanomaterials, 2022, 12, 2195.	1.9	2
126	Effect of the temperature in adsorption phenomena of water onto Sub-Bituminous coal. BoletÃn De Ciencias De La Tierra, 2016, , 57-64.	0.1	1

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127	Glycerol effect on the inhibition of spontaneous combustion of subbituminous coal. BoletÃn De Ciencias De La Tierra, 2016, , 64-74.	0.1	1
128	Catalytic Decomposition of n-C7 Asphaltenes Using Tungsten Oxidesâ€“Functionalized SiO2 Nanoparticles in Steam/Air Atmospheres. Processes, 2022, 10, 349.	1.3	1
129	Development of Acid Nanocapsules with Tailored Breaking Reservoir Temperature for the Removal of Formation Damage by Fines Migration. Energy & Fuels, 2022, 36, 4792-4798.	2.5	1
130	Nanoadsorbentes para captura de diÃ³xido de carbono (CO2): un enfoque a la purificaciÃ³n del biogÃ¡s. Revista Ion, 2020, 33, .	0.1	0