

Spencer E Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

380
citations

933447

10
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	The electrodeposition of asphaltenes and implications for asphaltene structure and stability in crude and residual oils. <i>Fuel</i> , 1998, 77, 821-828.	6.4	62
2	Asphaltene adsorption on quartz sand in the presence of pre-adsorbed water. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 137-145.	9.4	43
3	Thermodynamic modelling of asphaltene precipitation and related phenomena. <i>Advances in Colloid and Interface Science</i> , 2015, 217, 1-12.	14.7	40
4	pH-Switchable Stratification of Colloidal Coatings: Surfaces “On Demand”. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34755-34761.	8.0	40
5	Interfacial Chemistry in Steam-Based Thermal Recovery of Oil Sands Bitumen with Emphasis on Steam-Assisted Gravity Drainage and the Role of Chemical Additives. <i>Colloids and Interfaces</i> , 2018, 2, 16.	2.1	40
6	NMR relaxometry and diffusometry in characterizing structural, interfacial and colloidal properties of heavy oils and oil sands. <i>Advances in Colloid and Interface Science</i> , 2015, 224, 33-45.	14.7	24
7	Adsorption Behavior of Asphaltenes and Resins on Kaolinite. <i>Energy & Fuels</i> , 2017, 31, 10576-10587.	5.1	18
8	Metal Ion Interactions with Crude Oil Components: Specificity of Ca ²⁺ Binding to Naphthenic Acid at an Oil/Water Interface. <i>Colloids and Interfaces</i> , 2018, 2, 40.	2.1	17
9	Antibacterial silver-doped phosphate-based glasses prepared by coacervation. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7744-7755.	5.8	15
10	Component Interactions in Jet Fuels: Fuel System Icing Inhibitor Additive. <i>Energy & Fuels</i> , 2008, 22, 2396-2404.	5.1	12
11	Rheology and Structure of Cornstarch Suspensions in Water-Poly(propylene glycol) Mixtures. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 887-897.	2.4	11
12	Dispersed Water and Particulates in Jet Fuel: Size Analysis under Operational Conditions and Application to Coalescer Disarming. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5749-5765.	3.7	9
13	Water-based fractionation of a commercial humic acid. Solid-state and colloidal characterization of the solubility fractions. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 28-38.	9.4	9
14	Rehydration of food powders: Interplay between physical properties and process conditions. <i>Powder Technology</i> , 2020, 371, 142-153.	4.2	8
15	Pouring of Grains onto Liquid Surfaces: Dispersion or Lump Formation?. <i>Langmuir</i> , 2019, 35, 11150-11156.	3.5	7
16	Spin “Spin Relaxation Time Investigation of Oil/Brine/Sand Systems. Kinetics, Effects of Salinity, and Implications for Wettability and Bitumen Recovery. <i>Energy & Fuels</i> , 0, , .	5.1	6
17	Physical and chemical aspects of “precursor films” spreading on water from natural bitumen. <i>Journal of Petroleum Science and Engineering</i> , 2018, 170, 291-303.	4.2	6
18	Electrical Conductivity and Viscosity in Binary Organic Liquid Mixtures: Participation of Molecular Interactions and Nanodomains. <i>Colloids and Interfaces</i> , 2020, 4, 44.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Insight into Liquid Interactions with Fibrous Absorbent Filter Media Using Low-Field NMR Relaxometry. Prospective Application to Water/Jet Fuel Filter Coalescence. Industrial & Engineering Chemistry Research, 2017, 56, 14651-14661.	3.7	4
20	Viscometric analysis of the hydration of a surface cross-linked EM-HEC polymer. European Polymer Journal, 2018, 102, 111-119.	5.4	2
21	Addendum: Taylor, S.E., et al. Metal Ion Interactions with Crude Oil Components: Specificity of Ca ²⁺ Binding to Naphthenic Acid at an Oil/Water Interface. Colloids Interfaces 2018, 2, 40.. Colloids and Interfaces, 2018, 2, 54.	2.1	1
22	Detection of dispersed water droplets in petroleum liquids using a capacitance sensor. Chemical Engineering Research and Design, 2021, 171, 293-304.	5.6	1
23	Dielectric Properties of Synthetic Oil Sands. , 2013, , .		0
24	The Role of Water Soluble Species in Bitumen Recovery from Oil Sands. , 2014, , .		0
25	Colloids and Interfaces in Oil Recovery. Colloids and Interfaces, 2019, 3, 50.	2.1	0
26	On the formation of dry granular jets at a liquid surface. Chemical Engineering Science, 2021, 245, 116958.	3.8	0