

# Spencer E Taylor

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/252536/publications.pdf>

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	Detection of dispersed water droplets in petroleum liquids using a capacitance sensor. <i>Chemical Engineering Research and Design</i> , 2021, 171, 293-304.	5.6	1
2	On the formation of dry granular jets at a liquid surface. <i>Chemical Engineering Science</i> , 2021, 245, 116958.	3.8	0
3	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
4	Rehydration of food powders: Interplay between physical properties and process conditions. <i>Powder Technology</i> , 2020, 371, 142-153.	4.2	8
5	Pouring of Grains onto Liquid Surfaces: Dispersion or Lump Formation?. <i>Langmuir</i> , 2019, 35, 11150-11156.	3.5	7
6	Colloids and Interfaces in Oil Recovery. <i>Colloids and Interfaces</i> , 2019, 3, 50.	2.1	0
7	Antibacterial silver-doped phosphate-based glasses prepared by coacervation. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7744-7755.	5.8	15
8	Viscometric analysis of the hydration of a surface cross-linked EM-HEC polymer. <i>European Polymer Journal</i> , 2018, 102, 111-119.	5.4	2
9	Addendum: Taylor, S.E., et al. Metal Ion Interactions with Crude Oil Components: Specificity of Ca <sup>2+</sup> Binding to Naphthenic Acid at an Oil/Water Interface. <i>Colloids Interfaces</i> 2018, 2, 40.. <i>Colloids and Interfaces</i> , 2018, 2, 54.	2.1	1
10	Metal Ion Interactions with Crude Oil Components: Specificity of Ca <sup>2+</sup> Binding to Naphthenic Acid at an Oil/Water Interface. <i>Colloids and Interfaces</i> , 2018, 2, 40.	2.1	17
11	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
12	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
13	Adsorption Behavior of Asphaltenes and Resins on Kaolinite. <i>Energy &amp; Fuels</i> , 2017, 31, 10576-10587.	5.1	18
14	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
15	Insight into Liquid Interactions with Fibrous Absorbent Filter Media Using Low-Field NMR Relaxometry. Prospective Application to Water/Jet Fuel Filter "Coalescence. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 14651-14661.	3.7	4
16	pH-Switchable Stratification of Colloidal Coatings: Surfaces "On Demand". <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34755-34761.	8.0	40
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Thermodynamic modelling of asphaltene precipitation and related phenomena. <i>Advances in Colloid and Interface Science</i> , 2015, 217, 1-12.	14.7	40
20	The Role of Water Soluble Species in Bitumen Recovery from Oil Sands. , 2014, , .		0
21	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
22	Dielectric Properties of Synthetic Oil Sands. , 2013, , .		0
23	Dispersed Water and Particulates in Jet Fuel: Size Analysis under Operational Conditions and Application to Coalescer Disarming. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 5749-5765.	3.7	9
24	Component Interactions in Jet Fuels: Fuel System Icing Inhibitor Additive. <i>Energy &amp; Fuels</i> , 2008, 22, 2396-2404.	5.1	12
25	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
26	Spinâ€“Spin Relaxation Time Investigation of Oil/Brine/Sand Systems. Kinetics, Effects of Salinity, and Implications for Wettability and Bitumen Recovery. <i>Energy &amp; Fuels</i> , 0, , .	5.1	6