Vincent Pauchard

List of Publications by Year
in descending order

21 papers	1,087 citations	687335 13 h-index	752679 20 g-index
21 all docs	21 docs citations	21 times ranked	851 citing authors

#	Article	IF	Citations
1	Glassy dynamics and equilibrium state on the honeycomb lattice: Role of surface diffusion and desorption on surface crowding. Physical Review E, 2021, 103, 022801.	2.1	6
2	Adsorption kinetics and thermodynamic properties of a binary mixture of hard-core particles on a square lattice. Journal of Chemical Physics, 2021, 154, 074705.	3.0	6
3	Structureâ€"Dynamic Function Relations of Asphaltenes. Energy & Fuels, 2021, 35, 13610-13632.	5.1	14
4	Modeling the Multicomponent Compositional Effects of Asphaltenes on Interfacial Phenomena. Energy & Fuels, 2020, 34, 13673-13685.	5.1	5
5	Overview of Asphaltene Nanostructures and Thermodynamic Applications. Energy & Fuels, 2020, 34, 15082-15105.	5.1	101
6	Study of Asphaltene Deposition onto Stainless-Steel Surfaces Using Quartz Crystal Microbalance with Dissipation. Energy & Fuels, 2020, 34, 9283-9295.	5.1	7
7	Liquid-hexatic-solid phase transition of a hard-core lattice gas with third neighbor exclusion. Journal of Chemical Physics, 2019, 151, 104702.	3.0	19
8	Mixture Effect on the Dilatation Rheology of Asphaltenes-Laden Interfaces. Langmuir, 2017, 33, 1927-1942.	3.5	56
9	Extracting the equation of state of lattice gases from random sequential adsorption simulations by means of the Gibbs adsorption isotherm. Physical Review E, 2017, 96, 052803.	2.1	35
10	A simple numerical solution of diffusional equations for dilatational rheology of complex surfactant mixtures in any geometry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 140-143.	4.7	2
11	Interfacial Properties of Asphaltenes at Tolueneâ€"Water Interfaces. Langmuir, 2015, 31, 4878-4886.	3.5	57
12	Applicability of the Langmuir Equation of State for Asphaltene Adsorption at the Oilâ€"Water Interface: Coal-Derived, Petroleum, and Synthetic Asphaltenes. Energy & Fuels, 2015, 29, 3584-3590.	5.1	55
13	Dense Packed Layer Modeling in Oil-Water Dispersions: Model Description, Experimental Verification, and Code Demonstration. Journal of Dispersion Science and Technology, 2015, 36, 1527-1537.	2.4	9
14	Soft-Glassy Rheology of Asphaltenes at Liquid Interfaces. Journal of Dispersion Science and Technology, 2015, 36, 1444-1451.	2.4	42
15	Blockage of coalescence of water droplets in asphaltenes solutions: A jamming perspective. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 410-417.	4.7	28
16	Asphaltene-Laden Interfaces Form Soft Glassy Layers in Contraction Experiments: A Mechanism for Coalescence Blocking. Langmuir, 2014, 30, 12795-12803.	3.5	71
17	Long-Term Adsorption Kinetics of Asphaltenes at the Oilâ€"Water Interface: A Random Sequential Adsorption Perspective. Langmuir, 2014, 30, 8381-8390.	3.5	80
18	Interfacial Rheology of Asphaltenes at Oilâ€"Water Interfaces and Interpretation of the Equation of State. Langmuir, 2013, 29, 4750-4759.	3.5	212

#	Article	IF	Citations
19	Asphaltene Nanoscience and Reservoir Fluid Gradients, Tar Mat Formation, and the Oil-Water Interface. , 2013, , .		19
20	Adsorption Kinetics of Asphaltenes at the Oilâ€"Water Interface and Nanoaggregation in the Bulk. Langmuir, 2012, 28, 9986-9995.	3.5	199
21	Role of Naphthenic Acids in Emulsion Tightness for a Low-Total-Acid-Number (TAN)/High-Asphaltenes Oil. Energy & Fuels, 2009, 23, 1269-1279.	5.1	64