

Stuart M Clarke

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70
papers

1,161
citations

20
h-index

30
g-index

70
ext. papers

1,225
ext. citations

4.3
avg, IF

4.16
L-index

#	Paper	IF	Citations
70	The crystalline structures of the even alkanes hexane, octane, decane, dodecane and tetradecane monolayers adsorbed on graphite at submonolayer coverages and from the liquid. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 345-351	3.6	81
69	Comparative Adsorption of Saturated and Unsaturated Fatty Acids at the Iron Oxide/Oil Interface. <i>Langmuir</i> , 2016 , 32, 534-40	4	64
68	The crystalline structures of the odd alkanes pentane, heptane, nonane, undecane, tridecane and pentadecane monolayers adsorbed on graphite at submonolayer coverages and from the liquid. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3430-3435	3.6	62
67	Hexadecylamine adsorption at the iron oxide-oil interface. <i>Langmuir</i> , 2013 , 29, 13735-42	4	53
66	Competitive Adsorption of Simple Linear Alkane Mixtures onto Graphite. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 10528-10534	3.4	52
65	Cation bridging studied by specular neutron reflection. <i>Langmuir</i> , 2013 , 29, 5520-7	4	45
64	Direct measurements of ionic liquid layering at a single mica-liquid interface and in nano-films between two mica-liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 297-304	3.6	35
63	Observation of a two-dimensional halogen-bonded cocrystal at sub-monolayer coverage using synchrotron X-ray diffraction. <i>Chemical Communications</i> , 2011 , 47, 2526-8	5.8	35
62	Solid Monolayers Adsorbed at the Solid/Liquid Interface Studied by Incoherent Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8878-8882	3.4	35
61	Alkane/Alcohol mixed monolayers at the solid/liquid interface. <i>Langmuir</i> , 2005 , 21, 5085-93	4	32
60	A quantitative parameter for predicting mixing behaviour in adsorbed layers: the 2D isomorphism coefficient. <i>Chemical Physics Letters</i> , 2003 , 373, 480-485	2.5	26
59	Neutron diffraction and incoherent neutron scattering from adsorbed layers. <i>Current Opinion in Colloid and Interface Science</i> , 2001 , 6, 118-125	7.6	26
58	The investigation of mixed monolayers adsorbed from solution: octane and nonane mixtures on graphite. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 5017-5023	3.6	25
57	To mix or not to mix: 2D crystallization and mixing behavior of saturated and unsaturated aliphatic primary amides. <i>ACS Nano</i> , 2011 , 5, 9122-37	16.7	24
56	Crystalline structures of alkylamide monolayers adsorbed on the surface of graphite. <i>Langmuir</i> , 2010 , 26, 8201-6	4	23
55	Anomalous behaviour of pentane adsorbed at the graphite/liquid interface. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 5203-5207	3.6	23
54	Isostructural organic binary-host frameworks with tuneable and diversely decorated inclusion cavities. <i>CrystEngComm</i> , 2012 , 14, 7898	3.3	22

53	Thermodynamic investigation of the adsorption of amides on graphite from their liquids and binary mixtures. <i>Langmuir</i> , 2008 , 24, 3325-35	4	22
52	Adsorption of Aerosol-OT at the calcite/water interface--comparison of the sodium and calcium salts. <i>Journal of Colloid and Interface Science</i> , 2014 , 418, 140-6	9.3	21
51	Surfactant adsorption at the metal-oil interface. <i>Langmuir</i> , 2011 , 27, 6085-90	4	21
50	Adsorption of Aldehydes on a Graphite Substrate: Combined Thermodynamic Study of C ₆ -13 Homologues with a Structural and Dynamical Study of Dodecanal. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6027-6034	3.8	20
49	Crystalline Monolayer of Dodecanoic Acid Adsorbed on Graphite from n-Heptane Solution. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 777-781	3.4	20
48	An Anionic Surfactant on an Anionic Substrate: Monovalent Cation Binding. <i>Langmuir</i> , 2017 , 33, 7881-7888		19
47	Layer-by-layer surface freezing of linear alcohols at the graphite/liquid interface. <i>Journal of Colloid and Interface Science</i> , 2003 , 266, 19-27	9.3	19
46	Mixing Behavior at the Solid/Liquid Interface: Binary Alcohol Monolayers on Graphite. <i>Langmuir</i> , 2002 , 18, 9429-9433	4	18
45	Mixing Behavior at the Solid/Liquid Interface: Binary Monolayers of Linear Alcohols Adsorbed on Graphite. <i>Langmuir</i> , 2002 , 18, 4010-4013	4	18
44	Adsorption behaviour of the binary mixtures of octane and nonane at sub-monolayer coverage on graphite. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 3774-3777	3.6	18
43	Potassium, Calcium, and Magnesium Bridging of AOT to Mica at Constant Ionic Strength. <i>Langmuir</i> , 2019 , 35, 5753-5761	4	16
42	A comparison of didodecyldimethylammonium bromide adsorbed at mica/water and silica/water interfaces using neutron reflection. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 365-73	9.3	16
41	Behavior of binary alcohol mixtures adsorbed on graphite using calorimetry and scanning tunneling microscopy. <i>Langmuir</i> , 2008 , 24, 2501-8	4	16
40	Mixing behaviour of carboxylic acids adsorbed on graphite. <i>Physical Chemistry Chemical Physics</i> , 2004 , 006, 3545-3550	3.6	15
39	Polarized Neutron Reflectometry of Nickel Corrosion Inhibitors. <i>Langmuir</i> , 2015 , 31, 7062-72	4	14
38	Combined diffraction and density functional theory calculations of halogen-bonded cocrystal monolayers. <i>Langmuir</i> , 2013 , 29, 14903-11	4	13
37	A Neutron Diffraction Study of the Electrochemical Double Layer Capacitor Electrolyte Tetrapropylammonium Bromide in Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15320-33	3.4	13
36	Diffraction from physisorbed layers. <i>Current Opinion in Colloid and Interface Science</i> , 2012 , 17, 23-32	7.6	13

35	Bulk and adsorbed monolayer phase behavior of binary mixtures of undecanoic acid and undecylamine: catanionic monolayers. <i>Langmuir</i> , 2011 , 27, 3626-37	4	13
34	Self-assembly and adsorption of cetyltrimethylammonium bromide and didodecyldimethylammonium bromide surfactants at the mica-water interface. <i>Soft Matter</i> , 2019 , 15, 8402-8411	3.6	12
33	The monolayer structure of 1,2-bis(4-pyridyl)ethylene physisorbed on a graphite surface. <i>Molecular Physics</i> , 2013 , 111, 73-79	1.7	12
32	Supramolecular self-assembled network formation containing N \cdots Br halogen bonds in physisorbed overlayers. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19608-17	3.6	10
31	Adsorption of sodium hexanoate on γ -alumina. <i>Journal of Colloid and Interface Science</i> , 2013 , 407, 348-53	9.3	9
30	Neutron Reflectometry of an Anionic Surfactant at the Solid-Liquid Interface under Shear. <i>Langmuir</i> , 2017 , 33, 5982-5990	4	8
29	Neutron reflection study of the adsorption of the phosphate surfactant NaDEHP onto alumina from water. <i>Langmuir</i> , 2015 , 31, 3377-84	4	8
28	Neutron Reflectometry for Studying Corrosion and Corrosion Inhibition. <i>Metals</i> , 2017 , 7, 304	2.3	8
27	The Formation of Solid Monolayers of Linear Amines Adsorbed on Graphite from the Liquid. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4466-4469	3.4	8
26	Surface Chemistry of Almandine Garnet. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5099-5117	3.8	7
25	Adsorption and mixing behavior of ethers and alkanes at the solid/liquid interface. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23853-9	3.4	7
24	Anionic surfactant induced desorption of a cationic surfactant from mica. <i>Applied Clay Science</i> , 2018 , 160, 276-281	5.2	6
23	An X-ray and Neutron Reflectometry Study of Iron Corrosion in Seawater. <i>Langmuir</i> , 2018 , 34, 5990-6002	4	6
22	Characterizing Surfaces of Garnet and Steel, and Adsorption of Organic Additives. <i>Langmuir</i> , 2018 , 34, 7726-7737	4	6
21	The crystalline structure of the phenazine overlayer physisorbed on a graphite surface. <i>Molecular Physics</i> , 2013 , 111, 3823-3830	1.7	6
20	The Crystalline Structures of Fluoroalkane Monolayers Adsorbed on Graphite at Submonolayer Coverages. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21396-21405	3.8	6
19	SFG Study of the Potential-Dependent Adsorption of the p-Toluenesulfonate Anion at an Activated Carbon/Propylene Carbonate Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20567-20575	3.8	5
18	Solid monolayers of glycerides adsorbed on the surface of graphite powder. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 389, 180-187	5.1	5

17	Adsorption of Unsaturated Amides on a Graphite Surface: trans-Unsaturated Amides. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6682-6689	3.8	5
16	Solid Monolayers of Simple Alkyl Molecules Adsorbed from their Liquid to Graphite: the Influence of Different Chemical Groups.. <i>Studies in Surface Science and Catalysis</i> , 2001 , 132, 873-876	1.8	5
15	Using Neutron Reflectometry to Discern the Structure of Fibrinogen Adsorption at the Stainless Steel/Aqueous Interface. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5405-16	3.4	5
14	Novel semiconducting iron-quinizarin metal-organic framework for application in supercapacitors** Dedication to Prof Alan Soper FRS: We are pleased to submit this article for the special edition to mark the retirement of Prof. Alan Soper. Alan was a central figure in our previous work addressing the structure of supercapacitor ionic solutions and hence it is appropriate for this	1.7	4
13	Competitive Adsorption of a Multifunctional Amine and Phenol Surfactant with Ethanol on Hematite from Nonaqueous Solution. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1375-1383	3.4	4
12	Adsorption of iodoalkanes on graphite. <i>Molecular Physics</i> , 2013 , 111, 1005-1014	1.7	3
11	Corrosion inhibition of steel in seawater through surface phosphate formed from oil. <i>Surface and Coatings Technology</i> , 2021 , 410, 126970	4.4	3
10	Supramolecular systems at liquid-solid interfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 271-295	3.6	2
9	Characterization of Short Time Marine Corroded Surfaces. <i>Journal of the Electrochemical Society</i> , 2019 , 166, C509-C519	3.9	2
8	Neutron Reflection at the Calcite-Liquid Interface 2012 , 91-99		2
7	C-H \cdots N hydrogen bonding in an overlayer of s-triazine physisorbed on a graphite surface. <i>Molecular Physics</i> , 2020 , 118, e1706777	1.7	2
6	Influence of surfactants on a pre-adsorbed cationic layer: Removal and modification. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 427-435	9.3	2
5	The growth and shrinkage of water droplets at the oil-solid interface. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 738-748	9.3	2
4	Adsorption of 4-Nonylphenol, Carvacrol, and Ethanol onto Iron Oxide from Nonaqueous Hydrocarbon Solvents. <i>Langmuir</i> , 2019 , 35, 11662-11669	4	1
3	2D constraint modifies packing behaviour: a halobenzene monolayer with X halogen-bonding motif. <i>Molecular Physics</i> , 2021 , 119, e1900940	1.7	1
2	Halogen Bonding in Bicomponent Monolayers: Self-Assembly of a Homologous Series of Iodinated Perfluoroalkanes with Bipyridine. <i>Langmuir</i> , 2021 , 37, 627-635	4	1
1	Preparing macromolecular systems on surfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 395-418	3.6	1