Philippe Fontaine

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77 papers	1,149 citations	19 h-index	30 g-index
81 ext. papers	1,254 ext. citations	4.4 avg, IF	3.92 L-index

#	Paper	IF	Citations
77	Influence of lipophilicity of anthracyclines on the interactions with cholesterol in the model cell membranes - Langmuir monolayer and SEIRAS studies.. *Colloids and Surfaces B: Biointerfaces*, **2021**, 211, 112297	6	2
76	pH-sensitive behavior of the PS-b-PDMAEMA copolymer at the air - water interface. *Polymer*, **2021**, 221, 123619	3.9	1
75	Surface Pressure-Induced Interdiffused Structure Evidenced by Neutron Reflectometry in Cellulose Acetate/Polybutadiene Langmuir Films. *Langmuir*, **2021**, 37, 5717-5730	4	1
74	Interface-Mediated Mechanism of Action-The Root of the Cytoprotective Effect of Immediate-Release Omeprazole. *Journal of Medicinal Chemistry*, **2021**, 64, 5171-5184	8.3	0
73	Solvent-exchange process in MOF ultrathin films and its effect on CO and methanol adsorption. *Journal of Colloid and Interface Science*, **2021**, 590, 72-81	9.3	5
72	Unexpected Order-Disorder Transition in Diacetylene Alcohol Langmuir Films. *Langmuir*, **2021**, 37, 9034-9042	4	2
71	Spatially Addressed Supramolecular Nanowires: A Full Structural Characterization by GIWAXS. *ACS Applied Polymer Materials*, **2021**, 3, 661-670	4.3	0
70	Catalytically active peptides affected by self-assembly and residues order. *Colloids and Surfaces B: Biointerfaces*, **2021**, 203, 111751	6	2
69	Controlled Synthesis of Gold Nanoparticles in Copolymers Nanomolds by X-ray Radiolysis. *Langmuir* , **2020**, 36, 6132-6144	4	5
68	Chloroaurate ions below organic monolayers: Competitive accumulation and gold nanocrystal growth. *Chemical Physics Letters*, **2020**, 754, 137774	2.5	0
67	Langmuir Films of Perfluorinated Fatty Alcohols: Evidence of Spontaneous Formation of Solid Aggregates at Zero Surface Pressure and Very Low Surface Density. *Nanomaterials*, **2020**, 10,	5.4	1
66	Large area AlO-Au raspberry-like nanoclusters from iterative block-copolymer self-assembly.. *RSC Advances*, **2020**, 10, 41088-41097	3.7	2
65	Oriented thick films of block copolymer made by multiple successive coatings: perforated lamellae oriented lamellae. *Soft Matter*, **2020**, 16, 8179-8186	3.6	1
64	Grazing Incidence X-ray Diffraction Studies of Lipid-Peptide Mixed Monolayers during Shear Flow. *ACS Omega*, **2020**, 5, 14555-14563	3.9	3
63	Formation of Two-Dimensional Network of Organic Charge-Transfer Complexes at the Air-Water Interface. *Langmuir*, **2019**, 35, 12630-12635	4	3
62	Evolution of Perovskite Crystallization in Printed Mesoscopic Perovskite Solar Cells. *Energy Technology*, **2019**, 7, 1900343	3.5	12
61	Headgroup-Ordered Monolayers of Uncharged Glycolipids Exhibit Selective Interactions with Ions. *Journal of Physical Chemistry Letters*, **2019**, 10, 1684-1690	6.4	15

60	Structure of Langmuir Monolayers of Perfluorinated Fatty Acids: Evidence of a New 2D Smectic C Phase. *Molecules*, **2019**, 24,	4.8	3
59	FORTE - a multipurpose high-vacuum diffractometer for tender X-ray diffraction and spectroscopy at the SIRIUS beamline of Synchrotron SOLEIL. *Journal of Synchrotron Radiation*, **2019**, 26, 1374-1387	2.4	4
58	Licofelone-DPPC Interactions: Putting Membrane Lipids on the Radar of Drug Development. *Molecules*, **2019**, 24,	4.8	5
57	X-ray Standing Waves and Molecular Dynamics Studies of Ion Surface Interactions in Water at a Charged Silica Interface. *Journal of Physical Chemistry C*, **2019**, 123, 30294-30304	3.8	2
56	Inorganic mixed phase templated by a fatty acid monolayer at the air-water interface: the Mn and Mg case. *Physical Chemistry Chemical Physics*, **2018**, 20, 6629-6637	3.6	1
55	Evidence of lying molecules in the structure of the most condensed phase of semi-fluorinated alkane monolayers. *Nanoscale*, **2018**, 10, 2310-2316	7.7	7
54	Direct Measurement of Lateral Correlations under Controlled Nanoconfinement. *Physical Review Letters*, **2018**, 120, 118001	7.4	14
53	Ligand-free synthesis of gold nanoparticles incorporated within cylindrical block copolymer films. *Journal of Materials Chemistry C*, **2018**, 6, 8194-8204	7.1	7
52	Structural and optical properties of two-dimensional gadolinium stearate Langmuir monolayer. *Chemical Physics Letters*, **2018**, 712, 177-183	2.5	11
51	Proof of pore formation and biophysical perturbations through a 2D amoxicillin-lipid membrane interaction approach. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 803-812	3.8	11
50	Status of the crystallography beamlines at synchrotron SOLEIL?. *European Physical Journal Plus*, **2017**, 132, 1	3.1	7
49	Coupled Effects of Spreading Solvent Molecules and Electrostatic Repulsions on the Behavior of PS-b-PAA Monolayers at the Air-Water Interface. *Langmuir*, **2017**, 33, 12525-12534	4	8
48	How exfoliated graphene oxide nanosheets organize at the water interface: evidence for a spontaneous bilayer self-assembly. *Nanoscale*, **2017**, 9, 12543-12548	7.7	12
47	On the Interaction between Digitonin and Cholesterol in Langmuir Monolayers. *Langmuir*, **2016**, 32, 9064-73	4	16
46	SIRIUS: A new beamline for in situ X-ray diffraction and spectroscopy studies of advanced materials and nanostructures at the SOLEIL Synchrotron. *Thin Solid Films*, **2016**, 617, 48-54	2.2	20
45	Grazing incidence diffraction studies of the interactions between ursane-type antimicrobial triterpenes and bacterial anionic phospholipids. *Colloids and Surfaces B: Biointerfaces*, **2015**, 128, 561-567	6	7
44	Crucial Role of the Double Bond Isomerism in the Steroid B-Ring on the Membrane Properties of Sterols. Grazing Incidence X-Ray Diffraction and Brewster Angle Microscopy Studies. *Langmuir*, **2015**, 31, 7364-73	4	10
43	Charge and aggregation pattern govern the interaction of plasticins with LPS monolayers mimicking the external leaflet of the outer membrane of Gram-negative bacteria. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 2967-79	3.8	12

42	Two step formation of metal aggregates by surface X-ray radiolysis under Langmuir monolayers: 2D followed by 3D growth. *Beilstein Journal of Nanotechnology*, **2015**, 6, 2406-11	3	2
41	Evidence for interaction with the water subphase as the origin and stabilization of nano-domain in semi-fluorinated alkanes monolayer at the air/water interface. *Langmuir*, **2014**, 30, 15193-9	4	12
40	Soft Interfaces and Resonant Investigation on Undulator Source: A Surface X-ray Scattering Beamline to Study Organic Molecular Films at the SOLEIL Synchrotron. *Science of Advanced Materials*, **2014**, 6, 2312-2316	2.3	35
39	Limited propagation of lattice distortion in trilayer Langmuir-Blodgett films: correlation with mesoscopic structure. *Langmuir*, **2013**, 29, 11046-54	4	
38	Long-range nanometer-scale organization of semifluorinated alkane monolayers at the air/water interface. *Langmuir*, **2011**, 27, 13497-505	4	22
37	Evolution toward the X phase of fatty acid Langmuir monolayers on a divalent cation solution. *Langmuir*, **2010**, 26, 830-7	4	10
36	Highly organized crystalline monolayer of a semi-fluorinated alkane on a solid substrate obtained by spin-coating. *Thin Solid Films*, **2010**, 519, 414-416	2.2	19
35	X-ray surface radiolysis: Kinetics of the metal-organic interface formation. *European Physical Journal: Special Topics*, **2009**, 167, 157-162	2.3	1
34	Unexpected stability of phospholipid langmuir monolayers deposited on Triton X-100 aqueous solutions. *Langmuir*, **2007**, 23, 12959-65	4	13
33	X-ray radiolysis induced formation of silver nano-particles: A SAXS and UV□isible absorption spectroscopy study. *Nuclear Instruments & Methods in Physics Research B*, **2007**, 263, 436-440	1.2	44
32	Characterization limits of a polymer adsorbed under a monolayer by GIXD measurements. *Journal of Colloid and Interface Science*, **2007**, 306, 82-8	9.3	6
31	Potential use of fluorocarbons in lung surfactant therapy. *Artificial Cells, Blood Substitutes, and Biotechnology*, **2007**, 35, 211-20		9
30	Fluidization of a dipalmitoyl phosphatidylcholine monolayer by fluorocarbon gases: potential use in lung surfactant therapy. *Biophysical Journal*, **2006**, 90, 3184-92	2.9	75
29	X-ray diffraction studies of the structure and orientations of thiophene and fluorenone based molecule. *Thin Solid Films*, **2006**, 514, 334-340	2.2	1
28	pH-dependent kinetics of MgCl2 adsorption under a fatty-acid Langmuir film. *European Physical Journal E*, **2006**, 20, 387-94	1.5	8
27	Influence of a neoglycolipid and its PEO-lipid moiety on the organization of phospholipid monolayers. *Langmuir*, **2005**, 21, 11941-8	4	16
26	Direct evidence for highly organized networks of circular surface micelles of surfactant at the air-water interface. *Journal of the American Chemical Society*, **2005**, 127, 512-3	16.4	73
25	Radiation induced synthesis of silver nanoshells formed onto organic micelles. *European Physical Journal D*, **2005**, 34, 231-233	1.3	14

24	Preventing crystallization of phospholipids in monolayers: a new approach to lung-surfactant therapy. *Angewandte Chemie - International Edition*, **2005**, 44, 2749-2752	16.4	50
23	Preventing Crystallization of Phospholipids in Monolayers: A New Approach to Lung-Surfactant Therapy. *Angewandte Chemie*, **2005**, 117, 2809-2812	3.6	7
22	Soleil a New Powerful Tool for Materials Science. *Oil and Gas Science and Technology*, **2005**, 60, 849-874	1.9	19
21	Buckling of charged diblock copolymer monolayers at the air-water interface. *Europhysics Letters*, **2005**, 70, 176-182	1.6	8
20	Observation of a two-step mechanism in the formation of a superstructure of cadmium-behenic acid Langmuir monolayer: evidence of an intermediate structure. *Physical Review E*, **2004**, 70, 050601	2.4	11
19	Fast and adjustable-resolution grazing-incidence x-ray liquid surface diffraction. *Review of Scientific Instruments*, **2004**, 75, 3097-3106	1.7	25
18	Substrate-dependent conformational state induced by a hydrophilic group intercalated in a semi-fluorinated molecule. *Thin Solid Films*, **2004**, 457, 381-390	2.2	6
17	Incorporation of glycoconjugated porphyrin derivatives into phospholipid monolayers: a screening method for the evaluation of their interaction with a cell membrane. *Langmuir*, **2004**, 20, 11698-705	4	26
16	Synthesis of nanostructured metal-organic films: surface X-ray radiolysis of silver ions using a langmuir monolayer as a template. *Langmuir*, **2004**, 20, 4791-4	4	26
15	Superlattice Formation in Fatty Acid Monolayers on a Divalent Ion Subphase: Role of Chain Length, Temperature, and Subphase Concentration. *Langmuir*, **2003**, 19, 10808-10815	4	28
14	Counterion distribution in urchinlike charged copolymer micelles Monte Carlo simulation and small angle x-ray scattering. *Journal of Chemical Physics*, **2003**, 119, 7560-7567	3.9	8
13	Variation of the in-plane structure with depth revealed by grazing incidence x-ray diffraction in a thin Langmuir-Blodgett film. *Physical Review E*, **2002**, 66, 012701	2.4	7
12	Evidence of a tilted and herringbone structure in cadmium behenate Langmuir–Blodgett ultrathin films: Comparison with Langmuir monolayers. *Journal of Chemical Physics*, **2002**, 116, 3822-3827	3.9	7
11	Counterion distribution in a spherical charged sparse brush. *European Physical Journal E*, **2001**, 6, 109-115	2.5	36
10	Crystal Structure of Epitaxial Quaterthiophene Thin Films Grown on Potassium Acid Phthalate. *Advanced Materials*, **2001**, 13, 127-130	24	42
9	Evidence for asymmetric edge-on Langmuir monolayer: Application to surface potential measurements. *Europhysics Letters*, **2001**, 56, 234-240	1.6	6
8	Reversible Stepwise Formation of Mono- and Bilayers of a Fluorocarbon/Hydrocarbon Diblock on Top of a Phospholipid Langmuir Monolayer. A Case of Vertical Phase Separation. *Langmuir*, **2001**, 17, 6577-6584	4	64
7	Two-Dimensional Mixtures of Stearic Acid and Partially Fluorinated Amphiphilic Molecule: A Grazing Incidence X-ray Diffraction Study. *Langmuir*, **2000**, 16, 10189-10192	4	7

6	Influence of Headgroup Cross-Linking on Chain Packing in Langmuir Monolayers ofn-Alkyltrialkoxysilanes. *Langmuir*, **1999**, 15, 1348-1352	4	40
5	A critical look at surface force measurement using a commercial atomic force microscope in the noncontact mode. *Review of Scientific Instruments*, **1997**, 68, 4145-4151	1.7	23
4	Spontaneous Buckling Induced by the Adsorption of Charged Copolymers at the Air-Water Interface. *Journal De Physique II*, **1997**, 7, 401-407		17
3	Chiral and herringbone symmetry breaking in water-surface monolayers. *Physical Review E*, **1996**, 53, 667-673	2.4	23
2	Octadecyltrichlorosilane monolayers as ultrathin gate insulating films in metal-insulator-semiconductor devices. *Applied Physics Letters*, **1993**, 62, 2256-2258	3.4	86
1	Alkyl-trichlorosilane monolayer as ultra-thin insulating film for silicon MIS devices. *Microelectronic Engineering*, **1993**, 22, 101-104	2.5	4