

O V Konovalov

List of Publications by Year in descending order

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212
papers

5,053
citations

87888

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128289

60
g-index

215
all docs

215
docs citations

215
times ranked

6027
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of antimicrobial peptide protegrin with biomembranes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6302-6307.	7.1	201
2	Real-Time Observation of Structural and Orientational Transitions during Growth of Organic Thin Films. Physical Review Letters, 2006, 96, 125504.	7.8	199
3	In situ study of the formation mechanism of two-dimensional superlattices from PbSe nanocrystals. Nature Materials, 2016, 15, 1248-1254.	27.5	199
4	Surface Structure of Nafion in Vapor and Liquid. Journal of Physical Chemistry B, 2010, 114, 3784-3790.	2.6	155
5	Lipid Headgroup Discrimination by Antimicrobial Peptide LL-37: Insight into Mechanism of Action. Biophysical Journal, 2006, 90, 1275-1287.	0.5	140
6	Surface-Induced Micelle Orientation in Nafion Films. Macromolecules, 2011, 44, 2893-2899.	4.8	131
7	Interfacial growth of large-area single-layer metal-organic framework nanosheets. Scientific Reports, 2013, 3, 2506.	3.3	115
8	Quantitative determination of ion distributions in bacterial lipopolysaccharide membranes by grazing-incidence X-ray fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9147-9151.	7.1	112
9	Electrochemical Control of the Conductivity in an Organic Memristor: A Time-Resolved X-ray Fluorescence Study of Ionic Drift as a Function of the Applied Voltage. ACS Applied Materials & Interfaces, 2009, 1, 2115-2118.	8.0	92
10	Structural Transitions in Polydiacetylene Langmuir Films. Langmuir, 2009, 25, 4469-4477.	3.5	90
11	Recent applications of synchrotron radiation and neutrons in the study of soft matter. Crystallography Reviews, 2017, 23, 160-226.	1.5	86
12	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, 512-513.	13.7	77
13	Troika II: a versatile beamline for the study of liquid and solid interfaces. Journal of Synchrotron Radiation, 2005, 12, 329-339.	2.4	76
14	Melting of Short 1-Alcohol Monolayers on Water: Thermodynamics and X-Ray Scattering Studies. Physical Review Letters, 1994, 73, 1652-1655.	7.8	74
15	Specific Ion Adsorption and Short-Range Interactions at the Air Aqueous Solution Interface. Physical Review Letters, 2007, 99, 086105.	7.8	74
16	Nanoordering of Fluorinated Side-Chain Liquid Crystalline/Amorphous Diblock Copolymers. Macromolecules, 2005, 38, 9610-9616.	4.8	63
17	Elemental Analysis within the Electrical Double Layer Using Total Reflection X-ray Fluorescence Technique. Journal of Physical Chemistry B, 2007, 111, 3927-3934.	2.6	59
18	Calcium ions induce collapse of charged O-side chains of lipopolysaccharides from <i>Pseudomonas aeruginosa</i> . Journal of the Royal Society Interface, 2009, 6, S671-8.	3.4	59

#	ARTICLE	IF	CITATIONS
19	Real Space Imaging of Nanoparticle Assembly at Liquid-Liquid Interfaces with Nanoscale Resolution. <i>Nano Letters</i> , 2016, 16, 5463-5468.	9.1	55
20	Reversible buckling in monolayer of gold nanoparticles on water surface. <i>Europhysics Letters</i> , 2007, 78, 56003.	2.0	53
21	Formation and Ordering of Gold Nanoparticles at the Toluene-Water Interface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1739-1743.	3.1	53
22	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9326-9330.	13.8	53
23	Thin graphene oxide membranes for gas dehumidification. <i>Journal of Membrane Science</i> , 2019, 577, 184-194.	8.2	52
24	Bottom-up assembly of ultrathin sub-micron size metal-organic framework sheets. <i>Dalton Transactions</i> , 2013, 42, 15931.	3.3	49
25	MXene-based gas separation membranes with sorption type selectivity. <i>Journal of Membrane Science</i> , 2021, 621, 118994.	8.2	47
26	The nanoscale structure of the electrolyte-metal oxide interface. <i>Energy and Environmental Science</i> , 2018, 11, 594-602.	30.8	46
27	Anomalous roughness evolution of rubrene thin films observed in real time during growth. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1834.	2.8	45
28	Structure of a liquid/liquid interface during solvent extraction combining X-ray and neutron reflectivity measurements. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15093-15097.	2.8	45
29	Is Tsallis Thermodynamics Nonextensive?. <i>Physical Review Letters</i> , 2001, 88, 020601.	7.8	44
30	Lipid discrimination in phospholipid monolayers by the antimicrobial frog skin peptide PGLa. A synchrotron X-ray grazing incidence and reflectivity study. <i>European Biophysics Journal</i> , 2002, 31, 428-437.	2.2	44
31	Protegrin interaction with lipid monolayers: grazing incidence X-ray diffraction and X-ray reflectivity study. <i>Soft Matter</i> , 2008, 4, 1665.	2.7	43
32	Real-time X-ray diffraction measurements of structural dynamics and polymorphism in diindenoperylene growth. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 233-239.	2.3	42
33	Physical mechanisms of bacterial survival revealed by combined grazing-incidence X-ray scattering and Monte Carlo simulation. <i>Comptes Rendus Chimie</i> , 2009, 12, 209-217.	0.5	42
34	Collagen containing microcapsules: Smart containers for disease controlled therapy. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 56-62.	9.4	42
35	Gold Nanoparticles at the Liquid-Liquid Interface: X-ray Study and Monte Carlo Simulation. <i>Langmuir</i> , 2009, 25, 952-958.	3.5	41
36	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. <i>Journal of the American Chemical Society</i> , 2017, 139, 8474-8486.	13.7	40

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37	Hierarchical Assembly of Ultranarrow Alkylamine-Coated ZnS Nanorods: A Synchrotron Surface X-Ray Diffraction Study. <i>Nano Letters</i> , 2008, 8, 3858-3864.	9.1	39
38	Crucial roles of charged saccharide moieties in survival of gram negative bacteria against protamine revealed by combination of grazing incidence x-ray structural characterizations and Monte Carlo simulations. <i>Physical Review E</i> , 2010, 81, 041901.	2.1	39
39	Synchrotron Scattering Methods for Nanomaterials and Soft Matter Research. <i>Materials</i> , 2020, 13, 752.	2.9	39
40	The Link Between Self-Assembly and Molecular Conformation of Amphiphilic Block Copolymers Monolayers at the Air/Water Interface: The Spreading Parameter. <i>Langmuir</i> , 2015, 31, 8856-8864.	3.5	37
41	Surface induced smectic order in ionic liquids – an X-ray reflectivity study of [C ₂₂ C ₁ im] ⁺ [NTf ₂] ⁻ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26651-26661.	2.8	37
42	Synchrotron XRR study of soft nanofilms at the mica-water interface. <i>Soft Matter</i> , 2012, 8, 5055.	2.7	36
43	Nanoscale Structure of Si/SiO ₂ /Organics Interfaces. <i>ACS Nano</i> , 2014, 8, 12676-12681.	14.6	36
44	X-ray grazing incidence studies of the 2D crystallization of monolayers of 1-alcohols at the air-water interface. <i>Thin Solid Films</i> , 1994, 248, 95-99.	1.8	35
45	Synchrotron Radiation Diffraction from Two-Dimensional Protein Crystals at the Air/Water Interface. <i>Biophysical Journal</i> , 2000, 79, 496-500.	0.5	35
46	In situ characterization of lipid A interaction with antimicrobial peptides using surface X-ray scattering. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 232-240.	2.6	34
47	Self-assembled iron oxide nanoparticle multilayer: x-ray and polarized neutron reflectivity. <i>Nanotechnology</i> , 2012, 23, 055707.	2.6	34
48	Structural Study of the DNA Dipalmitoylphosphatidylcholine Complex at the Air-Water Interface. <i>Biomacromolecules</i> , 2007, 8, 2270-2275.	5.4	33
49	Nonequilibrium Phases of Nanoparticle Langmuir Films. <i>Langmuir</i> , 2012, 28, 10409-10414.	3.5	33
50	Physical interactions of fish protamine and antiseptic peptide drugs with bacterial membranes revealed by combination of specular x-ray reflectivity and grazing-incidence x-ray fluorescence. <i>Physical Review E</i> , 2013, 88, 012705.	2.1	33
51	Monitoring Self-Assembly and Ligand Exchange of PbS Nanocrystal Superlattices at the Liquid/Air Interface in Real Time. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 739-744.	4.6	33
52	Structural Studies of the Neural-Cell-Adhesion Molecule by X-ray and Neutron Reflectivity. <i>Biochemistry</i> , 2005, 44, 546-554.	2.5	32
53	Total reflection X-ray fluorescence study of Langmuir monolayers on water surface. <i>Journal of Applied Crystallography</i> , 2003, 36, 727-731.	4.5	31
54	Interaction of DNA Oligomers with Cationic Lipidic Monolayers: Complexation and Splitting. <i>Langmuir</i> , 2007, 23, 4414-4420.	3.5	31

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55	Superlattice Formation in Fatty Acid Monolayers on a Divalent Ion Subphase: Role of Chain Length, Temperature, and Subphase Concentration. <i>Langmuir</i> , 2003, 19, 10808-10815.	3.5	28
56	A comparative study on the interactions of SMAP-29 with lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 851-860.	2.6	28
57	Real-Time Multiscale Monitoring and Tailoring of Graphene Growth on Liquid Copper. <i>ACS Nano</i> , 2021, 15, 9638-9648.	14.6	28
58	Two-Dimensional Crystallization of a Histidine-Tagged Protein on Monolayers of Fluidity-Enhanced Ni ²⁺ -Chelating Lipids. <i>Langmuir</i> , 2002, 18, 9502-9512.	3.5	27
59	Investigation of the Protonation State of Novel Cationic Lipids Designed for Gene Transfection. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13845-13850.	2.6	27
60	Newly Synthesized Lipid-Porphyrin Conjugates: Evaluation of Their Self-Assembling Properties, Their Miscibility with Phospholipids and Their Photodynamic Activity In Vitro. <i>Chemistry - A European Journal</i> , 2018, 24, 19179-19194.	3.3	26
61	Long-Range Nanometer-Scale Organization of Semifluorinated Alkane Monolayers at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 13497-13505.	3.5	25
62	Operando study of water vapor transport through ultra-thin graphene oxide membranes. <i>2D Materials</i> , 2019, 6, 035039.	4.4	25
63	In Situ X-ray Reflectivity Study of Polystyrene Ultrathin Films Swollen in Carbon Dioxide. <i>Macromolecules</i> , 2012, 45, 6611-6617.	4.8	24
64	Spontaneous MXene monolayer assembly at the liquid-air interface. <i>Nanoscale</i> , 2019, 11, 9980-9986.	5.6	24
65	Elastic strain relaxation in axialSi ⁺ -Gewhisker heterostructures. <i>Physical Review B</i> , 2007, 75, .	3.2	23
66	Self-Organization of Polystyrene-polyacrylic Acid (PS-PAA) Monolayer at the Air/Water Interface: A Process Driven by the Release of the Solvent Spreading. <i>Langmuir</i> , 2016, 32, 1971-1980.	3.5	23
67	Air/Liquid Interfacial Nanoassembly of Molecular Building Blocks into Preferentially Oriented Porous Organic Nanosheet Crystals via Hydrogen Bonding. <i>ACS Nano</i> , 2017, 11, 10875-10882.	14.6	23
68	X-Ray Reflectivity Measurements of Layer-by-Layer Films at the Solid/Liquid Interface. <i>Langmuir</i> , 2008, 24, 12093-12096.	3.5	22
69	Interface Induced Crystal Structures of Dioctyl-Terthiophene Thin Films. <i>Langmuir</i> , 2012, 28, 8530-8536.	3.5	22
70	How exfoliated graphene oxide nanosheets organize at the water interface: evidence for a spontaneous bilayer self-assembly. <i>Nanoscale</i> , 2017, 9, 12543-12548.	5.6	22
71	X-Ray Reflectivity at Polarized Liquid-Hg-Aqueous-Electrolyte Interface: Challenging Macroscopic Approaches for Ion-Specificity Issues. <i>Physical Review Letters</i> , 2012, 108, 206102.	7.8	21
72	Measuring Ca ²⁺ -Induced Structural Changes in Lipid Monolayers: Implications for Synaptic Vesicle Exocytosis. <i>Biophysical Journal</i> , 2012, 102, 1394-1402.	0.5	21

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73	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. <i>ACS Applied Nano Materials</i> , 2018, 1, 2819-2826.	5.0	21
74	X-ray fluorescence methods for investigations of lipid/protein membrane models. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 511-516.	2.4	20
75	Using Three-Dimensional 3D Grazing-Incidence Small-Angle X-ray Scattering (GISAXS) Analysis To Probe Pore Deformation in Mesoporous Silica Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2686-2691.	8.0	20
76	Cell Differentiation of Pluripotent Tissue Sheets Immobilized on Supported Membranes Displaying Cadherin-11. <i>PLoS ONE</i> , 2013, 8, e54749.	2.5	20
77	Observation of Zinc Phthalocyanine Aggregates on a Water Surface Using Grazing Incidence X-ray Scattering. <i>Langmuir</i> , 2005, 21, 11161-11166.	3.5	19
78	X-ray diffraction from paclitaxel-loaded zwitterionic and cationic model membranes. <i>Chemistry and Physics of Lipids</i> , 2007, 150, 58-65.	3.2	19
79	Modulation of Substrate-Membrane Interactions by Linear Poly(2-methyl-2-oxazoline) Spacers Revealed by X-ray Reflectivity and Ellipsometry. <i>ChemPhysChem</i> , 2009, 10, 2876-2883.	2.1	19
80	Use of Total Reflection X-ray Fluorescence (TRXF) for the Quantification of DNA Binding to Lipid Monolayers at the Air-Water Interface. <i>Langmuir</i> , 2010, 26, 14766-14773.	3.5	19
81	Enantioselective Recognition between Polydiacetylene Nucleolipid Monolayers and Complementary Oligonucleotides. <i>Langmuir</i> , 2010, 26, 16424-16433.	3.5	19
82	Development of a reactor for the <i>in situ</i> monitoring of 2D materials growth on liquid metal catalysts, using synchrotron x-ray scattering, Raman spectroscopy, and optical microscopy. <i>Review of Scientific Instruments</i> , 2020, 91, 013907.	1.3	19
83	Unravelling three-dimensional adsorption geometries of PbSe nanocrystal monolayers at a liquid-air interface. <i>Communications Chemistry</i> , 2020, 3, .	4.5	19
84	Ultrathin Films of Semiconducting Polymers on Water. <i>Langmuir</i> , 2004, 20, 4116-4123.	3.5	17
85	Template Growth of Nanocrystalline PbS, CdS, and ZnS on a Polydiacetylene Langmuir Film: An <i>In Situ</i> Grazing Incidence X-ray Diffraction Study. <i>Advanced Functional Materials</i> , 2006, 16, 2398-2404.	14.9	17
86	Release kinetics of gold nanoparticles from collagen microcapsules by total reflection X-ray fluorescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 83-88.	4.7	17
87	Liquid-Liquid Interfacial Imaging Using Atomic Force Microscopy. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700203.	3.7	17
88	Size, Shape, and Lateral Correlation of Highly Uniform, Mesoscopic, Self-Assembled Domains of Fluorocarbon-Hydrocarbon Diblocks at the Air/Water Interface: A GISAXS Study. <i>ChemPhysChem</i> , 2017, 18, 2791-2798.	2.1	17
89	Grazing incidence x-ray diffraction at free-standing nanoscale islands: fine structure of diffuse scattering. <i>Journal Physics D: Applied Physics</i> , 2003, 36, A225-A230.	2.8	16
90	Microstructural analysis of the effects of incorporation of myelin basic protein in phospholipid layers. <i>European Biophysics Journal</i> , 2005, 34, 1041-1048.	2.2	16

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91	<i>In vitro</i> study of interaction of synaptic vesicles with lipid membranes. <i>New Journal of Physics</i> , 2010, 12, 105004.	2.9	16
92	Organization of Two-Dimensional Phospholipid Monolayers on a Gel-Forming Substrate. <i>Physical Review Letters</i> , 2001, 88, 025502.	7.8	15
93	Surface ordering in a concentrated suspension of colloidal particles investigated by x-ray scattering methods. <i>Physical Review E</i> , 2001, 64, 061406.	2.1	15
94	Strain in buried quantum wires: Analytical calculations and x-ray diffraction study. <i>Physical Review B</i> , 2002, 66, .	3.2	15
95	Langmuir monolayers on water surface investigated by X-ray total reflection fluorescence. <i>Materials Science and Engineering C</i> , 2003, 23, 567-570.	7.3	15
96	Elasticity of two-dimensional crystalline monolayers of fatty acid salts at an air-water surface. <i>Soft Matter</i> , 2009, 5, 203-207.	2.7	15
97	Negligible water surface charge determined using Kelvin probe and total reflection X-ray fluorescence techniques. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13991.	2.8	15
98	Surface Phases and Surface Freezing in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3058-3066.	3.1	15
99	Lipid model membranes for drug interaction study. <i>European Biophysics Journal</i> , 2006, 35, 431-438.	2.2	14
100	Studies of phospholipid monolayer at liquid/liquid interface in presence of an antimicrobial peptide. <i>Thin Solid Films</i> , 2007, 515, 5687-5690.	1.8	14
101	Structural reordering in monolayers of gold nanoparticles during transfer from water surface to solid substrate. <i>Physical Review E</i> , 2011, 83, 051605.	2.1	14
102	Measuring elastic properties of a protein monolayer at water surface by lateral compression. <i>Soft Matter</i> , 2013, 9, 2845.	2.7	14
103	Quantitative Determination of Lateral Concentration and Depth Profile of Histidine-Tagged Recombinant Proteins Probed by Grazing Incidence X-ray Fluorescence. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5002-5008.	2.6	14
104	Diindenoperylene thin-film structure on MoS ₂ monolayer. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	14
105	Drug loading to lipid-based cationic nanoparticles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 238, 290-293.	1.4	13
106	Molecular organization in protein-lipid film on the water surface studied by x-ray standing wave measurements under total external reflection. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1399-1403.	2.9	13
107	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	13
108	Substantial Difference in Ordering of 10, 15, and 20 nm Iron Oxide Nanoparticles on a Water Surface: <i>In Situ</i> Characterization by the Grazing Incidence X-ray Scattering. <i>Langmuir</i> , 2015, 31, 11639-11648.	3.5	13

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109	Layer-by-layer growth in solution deposition of monocrystalline lead sulfide thin films on GaAs(111). <i>Materials Chemistry Frontiers</i> , 2019, 3, 1538-1544.	5.9	13
110	Neutron reflectivity study of structural changes in barium stearate Langmuir-Blodgett films during annealing. <i>Physica B: Condensed Matter</i> , 1996, 221, 185-191.	2.7	12
111	Microscopic Structure of Crystalline Langmuir Monolayers of Hydroxystearic Acids by X-ray Reflectivity and GID: OH Group Position and Dimensionality Effect. <i>Langmuir</i> , 2005, 21, 11213-11219.	3.5	12
112	Structure of Synthetic Transmembrane Lipid Membranes at the Solid/Liquid Interface Studied by Specular X-ray Reflectivity. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10041-10044.	2.6	12
113	Impact of Lipid Oxidization on Vertical Structures and Electrostatics of Phospholipid Monolayers Revealed by Combination of Specular X-ray Reflectivity and Grazing-Incidence X-ray Fluorescence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9787-9794.	2.6	12
114	Evolution of Pore Ordering during Anodizing of Aluminum Single Crystals: <i>In Situ</i> Small-Angle X-ray Scattering Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9287-9295.	3.1	12
115	In situ studies of the transition from solution to solid film of poly(octylthiophene). <i>Synthetic Metals</i> , 2001, 123, 165-170.	3.9	11
116	The structure of DNA-containing complexes suggests the idea for a new adaptive sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 158-162.	4.7	11
117	The sequential growth mechanism of a protein monolayer at the air-water interface. <i>Soft Matter</i> , 2010, 6, 3826.	2.7	11
118	Decay of interfacial fluid ordering probed by X-ray reflectivity. <i>Soft Matter</i> , 2012, 8, 5180.	2.7	11
119	Reorientation of Γ -conjugated molecules on few-layer MoS ₂ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	2.8	11
120	The bending rigidity of phospholipid monolayers in presence of an antimicrobial frog peptide studied by X-ray grazing incidence diffraction. <i>Physica B: Condensed Matter</i> , 2005, 357, 185-189.	2.7	10
121	GISAXS studies of self-assembling of colloidal Co nanoparticles. <i>Materials Science and Engineering C</i> , 2006, 26, 1136-1140.	7.3	10
122	Doping-Induced Conductivity Transitions in Molecular Layers of Polyaniline: Detailed Structural Study. <i>Langmuir</i> , 2009, 25, 12429-12434.	3.5	10
123	Regulation of adhesion behavior of murine macrophage using supported lipid membranes displaying tunable mannose domains. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 285102.	1.8	10
124	Generic Role of Polymer Supports in the Fine Adjustment of Interfacial Interactions between Solid Substrates and Model Cell Membranes. <i>Langmuir</i> , 2015, 31, 4473-4480.	3.5	10
125	Reflectometry Reveals Accumulation of Surfactant Impurities at Bare Oil/Water Interfaces. <i>Molecules</i> , 2019, 24, 4113.	3.8	10
126	Study of floating alcohol monolayers in contact with a reservoir drop: phase diagram and application to Langmuir-Blodgett deposition without a movable barrier. <i>Thin Solid Films</i> , 1994, 248, 47-50.	1.8	9

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127	Two- and Three-Dimensional Stacking of Chiral Alcohols. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12778-12785.	2.6	9
128	Radius-dependent homogeneous strain in uncoalesced GaN nanowires. <i>Acta Materialia</i> , 2020, 195, 87-97.	7.9	9
129	Molecular relaxation and microscopic structure of multilayers and superlattices of a photosensitive liquid-crystalline polymer. <i>Physical Review E</i> , 2002, 66, 041801.	2.1	8
130	The drying behaviour of conjugated polymer solutions. <i>Synthetic Metals</i> , 2003, 139, 361-369.	3.9	8
131	Grazing incidence X-ray diffraction study of the tilted phases of Langmuir films: Determination of molecular conformations using simulated annealing. <i>Thin Solid Films</i> , 2007, 515, 5691-5695.	1.8	8
132	Surface structure of sterically stabilized ferrofluids in a normal magnetic field: Grazing-incidence x-ray study. <i>Physical Review E</i> , 2009, 79, 031403.	2.1	8
133	Comparing the growth of a molecular semiconductor on amorphous and semi-crystalline polycarbonate substrates. <i>Organic Electronics</i> , 2012, 13, 1594-1601.	2.6	8
134	Chitosan-Behenic Acid Monolayer Interaction at the Air-Water Interface: Characterization of the Adsorbed Polymer Layers by X-Ray Reflectivity. <i>International Journal of Polymer Analysis and Characterization</i> , 2012, 17, 11-20.	1.9	8
135	Filling nanoporous polymer thin films: an easy route toward the full control of the 3D nanostructure. <i>RSC Advances</i> , 2016, 6, 9175-9179.	3.6	8
136	X-ray scattering characterization of iron oxide nanoparticles Langmuir film on water surface and on a solid substrate. <i>Thin Solid Films</i> , 2016, 616, 43-47.	1.8	8
137	The Enhancement of Metal-Binding Properties in Hemoglobin: The Role of Mild Damaging Factors. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8370-8377.	2.6	8
138	X-ray reflecto-interferometer based on compound refractive lenses. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1572-1581.	2.4	8
139	X-ray reflectivity from curved surfaces as illustrated by a graphene layer on molten copper. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 711-720.	2.4	8
140	Structural Analysis of PEO [~] PBO Copolymer Monolayers at the Air [~] Water Interface. <i>Langmuir</i> , 2006, 22, 8821-8825.	3.5	7
141	Permeability Variation Study in Collagen-Based Polymeric Capsules. <i>BioNanoScience</i> , 2011, 1, 192-197.	3.5	7
142	Anion-specificity at water [~] air interface probed by total reflection X-ray fluorescence (TRXF). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 184-190.	4.7	7
143	Interplay between H [~] Bonding and Alkyl [~] Chain Ordering in Self [~] Assembly of Monodendritic α -Alanine Derivatives. <i>ChemPhysChem</i> , 2012, 13, 1470-1478.	2.1	7
144	Microscopic segregation of hydrophilic ions in critical binary aqueous solvents. <i>Soft Matter</i> , 2015, 11, 5883-5888.	2.7	7

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145	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie</i> , 2016, 128, 9472-9476.	2.0	7
146	XANES Measurements for Studies of Adsorbed Protein Layers at Liquid Interfaces. <i>Materials</i> , 2020, 13, 4635.	2.9	7
147	Specific localisation of ions in bacterial membranes unravels physical mechanism of effective bacteria killing by sanitiser. <i>Scientific Reports</i> , 2020, 10, 12302.	3.3	7
148	X-ray reflectivity investigations of two-dimensional assemblies of C-cadherins: First steps in structural and functional studies. <i>European Physical Journal Special Topics</i> , 2002, 12, 365-378.	0.2	7
149	Preparation and structural analysis of Langmuir-Blodgett films of acidic and zwitterionic phospholipids. <i>Thin Solid Films</i> , 1996, 288, 262-267.	1.8	6
150	Grazing incidence X-ray diffraction determination of the structure of two-dimensional organic-inorganic crystals at the water surface. <i>Soft Matter</i> , 2010, 6, 1923.	2.7	6
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