

# O V Konovalov

## List of Publications by Year in descending order

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212  
papers

5,053  
citations

87888

38  
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128289

60  
g-index

215  
all docs

215  
docs citations

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times ranked

6027  
citing authors

#	ARTICLE	IF	CITATIONS
1	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of $\mu\text{m}^2$ . <i>Advanced Materials</i> , 2022, 34, e2106465.	21.0	3
2	Photo-triggerable liposomes based on lipid-porphyrin conjugate and cholesterol combination: Formulation and mechanistic study on monolayers and bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183812.	2.6	5
3	Cross-sectional shape evolution of GaN nanowires during molecular beam epitaxy growth on Si(111). <i>Nanoscale Advances</i> , 2022, 4, 562-572.	4.6	2
4	Influence of the porphyrin structure and linker length on the interfacial behavior of phospholipid-porphyrin conjugates. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 441-450.	9.4	6
5	Preserving the stoichiometry of triple-cation perovskites by carrier-gas-free antisolvent spraying. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19743-19749.	10.3	6
6	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
7	Small-angle X-ray scattering from GaN nanowires on Si(111): facet truncation rods, facet roughness and Porod's law. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, 42-53.	0.1	2
8	Dendronized oligoethylene glycols with phosphonate <i>tweezers</i> for cell-repellent coating of oxide surfaces: coarse-scale and nanoscopic interfacial forces. <i>RSC Advances</i> , 2021, 11, 17727-17733.	3.6	2
9	MXene-based gas separation membranes with sorption type selectivity. <i>Journal of Membrane Science</i> , 2021, 621, 118994.	8.2	47
10	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
11	Real-Time Multiscale Monitoring and Tailoring of Graphene Growth on Liquid Copper. <i>ACS Nano</i> , 2021, 15, 9638-9648.	14.6	28
12	Tuning the randomization of lamellar orientation in poly(3-hexylthiophene) thin films with substrate nano-curvature. <i>Polymer</i> , 2021, 230, 124071.	3.8	4
13	XANES Measurements for Studies of Adsorbed Protein Layers at Liquid Interfaces. <i>Materials</i> , 2020, 13, 4635.	2.9	7
14	Ion-Mediated Cross-linking of Biopolymers Confined at Liquid/Liquid Interfaces Probed by <i>In Situ</i> High-Energy Grazing Incidence X-ray Photon Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8937-8942.	2.6	5
15	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
16	Theoretical Approach to Analysis of X-Ray Grazing-Incidence Diffraction from 2D Crystals. <i>Crystallography Reports</i> , 2020, 65, 772-778.	0.6	0
17	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. <i>Crystal Growth and Design</i> , 2020, 20, 5269-5276.	3.0	5
18	X-Ray Reflectivity and Diffraction Studies of Doxorubicin Binding to Model Lipid Membranes. <i>BioNanoScience</i> , 2020, 10, 618-624.	3.5	2

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19	Synchrotron Scattering Methods for Nanomaterials and Soft Matter Research. <i>Materials</i> , 2020, 13, 752.	2.9	39
20	Reorientation of $\Gamma$ -conjugated molecules on few-layer $\text{MoS}_2$ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	2.8	11
21	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
22	Crystallization and Organic Field-Effect Transistor Performance of a Hydrogen-Bonded Quaterthiophene. <i>Chemistry - A European Journal</i> , 2020, 26, 10265-10275.	3.3	5
23	Unravelling three-dimensional adsorption geometries of PbSe nanocrystal monolayers at a liquid-air interface. <i>Communications Chemistry</i> , 2020, 3, .	4.5	19
24	Radius-dependent homogeneous strain in uncoalesced GaN nanowires. <i>Acta Materialia</i> , 2020, 195, 87-97.	7.9	9
25	Direct observation of amorphous to crystalline phase transitions in $\text{GeSbTe}$ thin films by grazing incidence X-ray diffraction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10196-10206.	2.2	4
26	Refractive optics based x-ray reflecto-interferometry. , 2020, , .		0
27	Quantification of the Structure of Colloidal Gas-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8372-8377.	4.6	0
28	Quantification of the Structure of Colloidal Gas-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8372-8377.	4.6	4
29	Diindenoperylene thin-film structure on $\text{MoS}_2$ monolayer. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	14
30	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
31	Thin graphene oxide membranes for gas dehumidification. <i>Journal of Membrane Science</i> , 2019, 577, 184-194.	8.2	52
32	Surface Phases and Surface Freezing in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3058-3066.	3.1	15
33	Layer-by-layer growth in solution deposition of monocrystalline lead sulfide thin films on $\text{GaAs}(111)$ . <i>Materials Chemistry Frontiers</i> , 2019, 3, 1538-1544.	5.9	13
34	Operando study of water vapor transport through ultra-thin graphene oxide membranes. <i>2D Materials</i> , 2019, 6, 035039.	4.4	25
35	Influence of Perfluorohexane-Enriched Atmosphere on Viscoelasticity and Structural Order of Self-Assembled Semifluorinated Alkanes at the Air-Water Interface. <i>ChemPhysChem</i> , 2019, 20, 1698-1705.	2.1	4
36	Spontaneous MXene monolayer assembly at the liquid-air interface. <i>Nanoscale</i> , 2019, 11, 9980-9986.	5.6	24

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37	Reflectometry Reveals Accumulation of Surfactant Impurities at Bare Oil/Water Interfaces. <i>Molecules</i> , 2019, 24, 4113.	3.8	10
38	Long-Range Lateral Correlation between Self-Assembled Domains of Fluorocarbon-Hydrocarbon Tetrablocks by Quantitative GISAXS. <i>ChemPhysChem</i> , 2019, 20, 898-904.	2.1	3
39	X-ray reflecto-interferometer based on compound refractive lenses. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1572-1581.	2.4	8
40	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
41	The nanoscale structure of the electrolyte-metal oxide interface. <i>Energy and Environmental Science</i> , 2018, 11, 594-602.	30.8	46
42	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
43	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
44	Recent applications of synchrotron radiation and neutrons in the study of soft matter. <i>Crystallography Reviews</i> , 2017, 23, 160-226.	1.5	86
45	Element-specific density profiles in interacting biomembrane models. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 104001.	2.8	5
46	Three-Legged 2,2'-Bipyridine Monomer at the Air/Water Interface: Monolayer Structure and Reactions with Ni(II) Ions from the Subphase. <i>Langmuir</i> , 2017, 33, 1646-1654.	3.5	5
47	Liquid-Liquid Interfacial Imaging Using Atomic Force Microscopy. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700203.	3.7	17
48	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
49	Nonionic Fluorinated Surfactant Removal from Mesoporous Film Using $sc\text{-CO}_2$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3093-3101.	8.0	6
50	Surface induced smectic order in ionic liquids - an X-ray reflectivity study of $[C_{22}C_{11}im]^+ [NTf_2]^-$ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26651-26661.	2.8	37
51	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
52	Self-assembly of a binary mixture of iron oxide nanoparticles in Langmuir film: X-ray scattering study. <i>Materials Chemistry and Physics</i> , 2017, 202, 31-39.	4.0	4
53	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
54	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

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55	Fast and Ultrafast Energy-Dispersive X-Ray Reflectometry Based on Prism Optics. JETP Letters, 2017, 106, 828-832.	1.4	1
56	A new theoretical approach for treatment of GIXD maps. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C444-C444.	0.1	0
57	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. Angewandte Chemie, 2016, 128, 9472-9476.	2.0	7
58	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. Angewandte Chemie - International Edition, 2016, 55, 9326-9330.	13.8	53
59	Possibilities of surface-sensitive X-ray methods for studying the molecular mechanisms of interaction of nanoparticles with model membranes. Crystallography Reports, 2016, 61, 857-865.	0.6	3
60	Current Frontiers on Liquid-Liquid Interfaces Workshop. Neutron News, 2016, 27, 21-22.	0.2	6
61	Filling nanoporous polymer thin films: an easy route toward the full control of the 3D nanostructure. RSC Advances, 2016, 6, 9175-9179.	3.6	8
62	In situ study of the formation mechanism of two-dimensional superlattices from PbSe nanocrystals. Nature Materials, 2016, 15, 1248-1254.	27.5	199
63	Relative adsorption excess of ions in binary solvents determined by grazing-incidence X-ray fluorescence. Journal of Colloid and Interface Science, 2016, 484, 249-253.	9.4	3
64	X-ray scattering characterization of iron oxide nanoparticles Langmuir film on water surface and on a solid substrate. Thin Solid Films, 2016, 616, 43-47.	1.8	8
65	Real Space Imaging of Nanoparticle Assembly at Liquid-Liquid Interfaces with Nanoscale Resolution. Nano Letters, 2016, 16, 5463-5468.	9.1	55
66	Self-Organization of Polystyrene- <i>b</i> -polyacrylic Acid (PS- <i>b</i> -PAA) Monolayer at the Air/Water Interface: A Process Driven by the Release of the Solvent Spreading. Langmuir, 2016, 32, 1971-1980.	3.5	23
67	Microscopic segregation of hydrophilic ions in critical binary aqueous solvents. Soft Matter, 2015, 11, 5883-5888.	2.7	7
68	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. Journal of Physical Chemistry B, 2015, 119, 9787-9794.	2.6	12
69	The Link Between Self-Assembly and Molecular Conformation of Amphiphilic Block Copolymers Monolayers at the Air/Water Interface: The Spreading Parameter. Langmuir, 2015, 31, 8856-8864.	3.5	37
70	Structure of a liquid/liquid interface during solvent extraction combining X-ray and neutron reflectivity measurements. Physical Chemistry Chemical Physics, 2015, 17, 15093-15097.	2.8	45
71	Generic Role of Polymer Supports in the Fine Adjustment of Interfacial Interactions between Solid Substrates and Model Cell Membranes. Langmuir, 2015, 31, 4473-4480.	3.5	10
72	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. Langmuir, 2015, 31, 11639-11648.	3.5	13

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73	Elastic response of a protein monolayer adsorbed at decorated water surface. AIP Conference Proceedings, 2015, , .	0.4	1
74	Edge diffraction effect at the refraction of X rays in a diamond prism. JETP Letters, 2014, 100, 540-542.	1.4	3
75	Colloid Stabilization by an Oppositely Charged Polysaccharide: Mechanism of Interaction and Interface Studied with Synchrotron X-Rays. International Journal of Polymer Analysis and Characterization, 2014, 19, 1-9.	1.9	4
76	Nanoscale Structure of Si/SiO <sub>2</sub> /Organics Interfaces. ACS Nano, 2014, 8, 12676-12681.	14.6	36
77	Using Three-Dimensional 3D Grazing-Incidence Small-Angle X-ray Scattering (GISAXS) Analysis To Probe Pore Deformation in Mesoporous Silica Films. ACS Applied Materials & Interfaces, 2014, 6, 2686-2691.	8.0	20
78	Synchrotron X-ray Scattering techniques for soft matter industrial research and development. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1329-C1329.	0.1	0
79	Measuring elastic properties of a protein monolayer at water surface by lateral compression. Soft Matter, 2013, 9, 2845.	2.7	14
80	Negligible water surface charge determined using Kelvin probe and total reflection X-ray fluorescence techniques. Physical Chemistry Chemical Physics, 2013, 15, 13991.	2.8	15
81	Interfacial growth of large-area single-layer metal-organic framework nanosheets. Scientific Reports, 2013, 3, 2506.	3.3	115
82	Bottom-up assembly of ultrathin sub-micron size metal-organic framework sheets. Dalton Transactions, 2013, 42, 15931.	3.3	49
83	Fast acquisition of extensive X-ray diffraction patterns of a gas-liquid interface in grazing-incidence geometry. Journal of Applied Crystallography, 2013, 46, 270-275.	4.5	4
84	Release kinetics of gold nanoparticles from collagen microcapsules by total reflection X-ray fluorescence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 417, 83-88.	4.7	17
85	Quantitative Determination of Lateral Concentration and Depth Profile of Histidine-Tagged Recombinant Proteins Probed by Grazing Incidence X-ray Fluorescence. Journal of Physical Chemistry B, 2013, 117, 5002-5008.	2.6	14
86	BIOMEMBRANE MODELS AND ORGANIC MONOLAYERS ON LIQUID AND SOLID SURFACES. Series on Synchrotron Radiation Techniques and Applications, 2013, , 355-368.	0.2	2
87	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. Physical Review E, 2013, 88, 012705.	2.1	33
88	Prolonged reorganization of thiol-capped Au nanoparticles layered structures. AIP Advances, 2013, 3, 092130.	1.3	6
89	Cell Differentiation of Pluripotent Tissue Sheets Immobilized on Supported Membranes Displaying Cadherin-11. PLoS ONE, 2013, 8, e54749.	2.5	20
90	X-Ray Reflectivity at Polarized Liquid-Hg-Aqueous-Electrolyte Interface: Challenging Macroscopic Approaches for Ion-Specificity Issues. Physical Review Letters, 2012, 108, 206102.	7.8	21

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91	Self-assembled iron oxide nanoparticle multilayer: x-ray and polarized neutron reflectivity. <i>Nanotechnology</i> , 2012, 23, 055707.	2.6	34
92	Structural Study of Formation of Mn-Doped ZnO Nanocrystals Embedded in Alumina Matrix from ZnMnO/Al <sub>2</sub> O <sub>3</sub> Multilayer Nanostructures. <i>Applied Physics Express</i> , 2012, 5, 041101.	2.4	0
93	Synchrotron XRR study of soft nanofilms at the mica-water interface. <i>Soft Matter</i> , 2012, 8, 5055.	2.7	36
94	In Situ X-ray Reflectivity Study of Polystyrene Ultrathin Films Swollen in Carbon Dioxide. <i>Macromolecules</i> , 2012, 45, 6611-6617.	4.8	24
95	Interface Induced Crystal Structures of Dioctyl-Terthiophene Thin Films. <i>Langmuir</i> , 2012, 28, 8530-8536.	3.5	22
96	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
97	Total external reflection X-ray fluorescence analysis of protein-metal ion interactions in biological systems. <i>Crystallography Reports</i> , 2012, 57, 648-655.	0.6	5
98	Nonequilibrium Phases of Nanoparticle Langmuir Films. <i>Langmuir</i> , 2012, 28, 10409-10414.	3.5	33
99	Decay of interfacial fluid ordering probed by X-ray reflectivity. <i>Soft Matter</i> , 2012, 8, 5180.	2.7	11
100	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
101	Measuring Ca <sup>2+</sup> -Induced Structural Changes in Lipid Monolayers: Implications for Synaptic Vesicle Exocytosis. <i>Biophysical Journal</i> , 2012, 102, 1394-1402.	0.5	21
102	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
103	Interplay between H-Bonding and Alkyl-Chain Ordering in Self-Assembly of Monodendritic Alanine Derivatives. <i>ChemPhysChem</i> , 2012, 13, 1470-1478.	2.1	7
104	In situ GISAXS study of a nanoparticle Langmuir film formation for plasmonic applications. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s237-s237.	0.3	0
105	Surface-Induced Micelle Orientation in Nafion Films. <i>Macromolecules</i> , 2011, 44, 2893-2899.	4.8	131
106	Long-Range Nanometer-Scale Organization of Semifluorinated Alkane Monolayers at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 13497-13505.	3.5	25
107	Specific bilayer on the surface of water-based ferrofluids: Structure and particular persistence. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	2
108	Spectral-selective X-ray methods for structure diagnostics of ordered bioorganic nanosystems on a liquid surface. <i>Journal of Surface Investigation</i> , 2011, 5, 816-821.	0.5	3



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109	Permeability Variation Study in Collagen-Based Polymeric Capsules. <i>BioNanoScience</i> , 2011, 1, 192-197.	3.5	7
110	Compressibility study of quaternary phospholipid blend monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 153-160.	5.0	4
111	Collagen containing microcapsules: Smart containers for disease controlled therapy. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 56-62.	9.4	42
112	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
113	An X-Ray Thermo-Pressure Cell For Carbon Dioxide. , 2010, , .		3
114	Measuring The Source Brilliance at An Undulator Beamline. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	4
115	Surface Structure of Nafion in Vapor and Liquid. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3784-3790.	2.6	155
116	<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
117	Quantitative determination of ion distributions in bacterial lipopolysaccharide membranes by grazing-incidence X-ray fluorescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9147-9151.	7.1	112
118	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
119	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
120	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
121	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
122	Enantioselective Recognition between Polydiacetylene Nucleolipid Monolayers and Complementary Oligonucleotides. <i>Langmuir</i> , 2010, 26, 16424-16433.	3.5	19
123	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
124	The sequential growth mechanism of a protein monolayer at the air-water interface. <i>Soft Matter</i> , 2010, 6, 3826.	2.7	11
125	Calcium ions induce collapse of charged O-side chains of lipopolysaccharides from <i>Pseudomonas aeruginosa</i> . <i>Journal of the Royal Society Interface</i> , 2009, 6, S671-8.	3.4	59
126	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



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127	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
128	<i>In situ</i> monitoring by synchrotron radiation of the formation of ZnO nanoparticles by aqueous chemical growth. <i>Journal of Applied Crystallography</i> , 2009, 42, 815-819.	4.5	4
129	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
130	X-ray fluorescence studies for the elemental composition and molecular organization of protein films on the surface of the liquid subphase. <i>Crystallography Reports</i> , 2009, 54, 920-928.	0.6	4
131	Gold Nanoparticles at the Liquid-Liquid Interface: X-ray Study and Monte Carlo Simulation. <i>Langmuir</i> , 2009, 25, 952-958.	3.5	41
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	Structural Transitions in Polydiacetylene Langmuir Films. <i>Langmuir</i> , 2009, 25, 4469-4477.	3.5	90
134	Doping-Induced Conductivity Transitions in Molecular Layers of Polyaniline: Detailed Structural Study. <i>Langmuir</i> , 2009, 25, 12429-12434.	3.5	10
135	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2115-2118.	8.0	92
136	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
137	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
138	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
139	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
140	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
141	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
142	X-Ray Reflectivity Measurements of Layer-by-Layer Films at the Solid/Liquid Interface. <i>Langmuir</i> , 2008, 24, 12093-12096.	3.5	22
143	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
144	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	13

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145	Specific Ion Adsorption and Short-Range Interactions at the Air Aqueous Solution Interface. <i>Physical Review Letters</i> , 2007, 99, 086105.	7.8	74
146	Elastic strain relaxation in axialSi <sup>+</sup> Gewhisker heterostructures. <i>Physical Review B</i> , 2007, 75, .	3.2	23
147	Structural Study of the DNA Dipalmitoylphosphatidylcholine Complex at the Air <sup>~</sup> Water Interface. <i>Biomacromolecules</i> , 2007, 8, 2270-2275.	5.4	33
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149	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
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