

Motomu Tanaka

List of Publications by Year in descending order

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193
papers

6,322
citations

108046

37
h-index

97045

71
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204
all docs

204
docs citations

204
times ranked

7386
citing authors

#	ARTICLE	IF	CITATIONS
1	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm ² . <i>Advanced Materials</i> , 2022, 34, e2106465.	11.1	3
2	Superiority of Mature Differentiated Cultured Human Corneal Endothelial Cell Injection Therapy for Corneal Endothelial Failure. <i>American Journal of Ophthalmology</i> , 2022, 237, 267-277.	1.7	16
3	One-Step Synthesis of Gelatin-Conjugated Supramolecular Hydrogels for Dynamic Regulation of Adhesion Contact and Morphology of Myoblasts. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2595-2603.	2.0	5
4	CDK7/12/13 inhibition targets an oscillating leukemia stem cell network and synergizes with venetoclax in acute myeloid leukemia. <i>EMBO Molecular Medicine</i> , 2022, 14, e14990.	3.3	14
5	Glucose Metabolism and Aging of Hematopoietic Stem and Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3028.	1.8	6
6	Loss of ASAP1 in the MMTV-PyMT model of luminal breast cancer activates AKT, accelerates tumorigenesis, and promotes metastasis. <i>Cancer Letters</i> , 2022, 533, 215600.	3.2	2
7	Id1 and Id3 Are Regulated Through Matrix-Assisted Autocrine BMP Signaling and Represent Therapeutic Targets in Melanoma. <i>Advanced Therapeutics</i> , 2021, 4, 2000065.	1.6	1
8	Physical Concepts Toward Cell-Material Integration. <i>Fundamental Biomedical Technologies</i> , 2021, , 199-215.	0.2	0
9	Critical role of lipid membranes in polarization and migration of cells: a biophysical view. <i>Biophysical Reviews</i> , 2021, 13, 123-138.	1.5	13
10	Dendronized oligoethylene glycols with phosphonate tweezers for cell-repellent coating of oxide surfaces: coarse-scale and nanoscopic interfacial forces. <i>RSC Advances</i> , 2021, 11, 17727-17733.	1.7	2
11	Extreme deformability of insect cell membranes is governed by phospholipid scrambling. <i>Cell Reports</i> , 2021, 35, 109219.	2.9	25
12	Functionalized supported membranes for quantifying adhesion of P.Âfalciparum-infected erythrocytes. <i>Biophysical Journal</i> , 2021, 120, 3315-3328.	0.2	9
13	Elevated Central Carbon Metabolism - a Hallmark for Senescent Cells in Aging Human Hematopoietic Stem Cell Compartment. <i>Blood</i> , 2021, 138, 1088-1088.	0.6	1
14	Interplay of Trans- and Cis-Interactions of Glycolipids in Membrane Adhesion. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 754654.	1.6	4
15	Influence of Semifluorinated Alkane Surface Domains on Phase Behavior and Linear and Nonlinear Viscoelasticity of Phospholipid Monolayers. <i>Langmuir</i> , 2020, 36, 781-788.	1.6	5
16	Mechanical stimulation of single cells by reversible host-guest interactions in 3D microscavolds. <i>Science Advances</i> , 2020, 6, .	4.7	61
17	Ion-Mediated Cross-linking of Biopolymers Confined at Liquid/Liquid Interfaces Probed by In Situ High-Energy Grazing Incidence X-ray Photon Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8937-8942.	1.2	5
18	Force generation by a propagating wave of supramolecular nanofibers. <i>Nature Communications</i> , 2020, 11, 3541.	5.8	24

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19	Glycogen accumulation, central carbon metabolism, and aging of hematopoietic stem and progenitor cells. <i>Scientific Reports</i> , 2020, 10, 11597.	1.6	12
20	Specific localisation of ions in bacterial membranes unravels physical mechanism of effective bacteria killing by sanitiser. <i>Scientific Reports</i> , 2020, 10, 12302.	1.6	7
21	Editorial: Interfacial Water: A Physical Chemistry Perspective. <i>Frontiers in Chemistry</i> , 2020, 8, 760.	1.8	0
22	Stimuli-responsive hydrogels as a model of the dynamic cellular microenvironment. <i>Polymer Journal</i> , 2020, 52, 861-870.	1.3	55
23	Nanofocused Scanning X-ray Fluorescence Microscopy Revealing an Effect of Heterozygous Hemoglobin S and C on Biochemical Activities in <i>Plasmodium falciparum</i> -Infected Erythrocytes. <i>Analytical Chemistry</i> , 2020, 92, 5765-5771.	3.2	1
24	Interplays of Interfacial Forces Modulate Structure and Function of Soft and Biological Matters in Aquatic Environments. <i>Frontiers in Chemistry</i> , 2020, 8, 165.	1.8	1
25	Hemoglobin S and C affect biomechanical membrane properties of <i>P. falciparum</i> -infected erythrocytes. <i>Communications Biology</i> , 2019, 2, 311.	2.0	8
26	A physical biomarker of the quality of cultured corneal endothelial cells and of the long-term prognosis of corneal restoration in patients. <i>Nature Biomedical Engineering</i> , 2019, 3, 953-960.	11.6	13
27	Preface to the Interfaces and Biology 1: Mechanobiology Special Issue. <i>Langmuir</i> , 2019, 35, 7333-7334.	1.6	0
28	In Vitro Dynamic Phenotyping for Testing Novel Mobilizing Agents. <i>Methods in Molecular Biology</i> , 2019, 2017, 11-27.	0.4	1
29	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.	1.0	4
30	Hybrid coating of alginate microbeads based on protein-biopolymer multilayers for encapsulation of probiotics. <i>Biotechnology Progress</i> , 2019, 35, e2806.	1.3	16
31	New Class of Crosslinker-Free Nanofiber Biomaterials from Hydra Nematocyst Proteins. <i>Scientific Reports</i> , 2019, 9, 19116.	1.6	8
32	3D Cellular Architecture Modulates Tyrosine Kinase Activity, Thereby Switching CD95-Mediated Apoptosis to Survival. <i>Cell Reports</i> , 2019, 29, 2295-2306.e6.	2.9	21
33	Shear-Enhanced Dynamic Adhesion of <i>Lactobacillus rhamnosus</i> GG on Intestinal Epithelia: Correlative Effect of Protein Expression and Interface Mechanics. <i>Langmuir</i> , 2019, 35, 529-537.	1.6	9
34	Long-Range Lateral Correlation between Self-Assembled Domains of Fluorocarbon-Hydrocarbon Tetrablocks by Quantitative GISAXS. <i>ChemPhysChem</i> , 2019, 20, 898-904.	1.0	3
35	Controlling the shape of 3D microstructures by temperature and light. <i>Nature Communications</i> , 2019, 10, 232.	5.8	193
36	Dynamic Contact Guidance of Myoblasts by Feature Size and Reversible Switching of Substrate Topography: Orchestration of Cell Shape, Orientation, and Nematic Ordering of Actin Cytoskeletons. <i>Langmuir</i> , 2019, 35, 7538-7551.	1.6	24

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37	Local traction force in the proximal leading process triggers nuclear translocation during neuronal migration. <i>Neuroscience Research</i> , 2019, 142, 38-48.	1.0	15
38	Dynamic cellular phenotyping defines specific mobilization mechanisms of human hematopoietic stem and progenitor cells induced by SDF1 α versus synthetic agents. <i>Scientific Reports</i> , 2018, 8, 1841.	1.6	7
39	Emergence of Strong Nonlinear Viscoelastic Response of Semifluorinated Alkane Monolayers. <i>Langmuir</i> , 2018, 34, 2489-2496.	1.6	6
40	Flexible Modulation of Electronic Band Structures of Wide Band Gap GaN Semiconductors Using Bioinspired, Nonbiological Helical Peptides. <i>Advanced Functional Materials</i> , 2018, 28, 1704034.	7.8	9
41	Ib-AMP4 insertion causes surface rearrangement in the phospholipid bilayer of biomembranes: Implications from quartz-crystal microbalance with dissipation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 617-623.	1.4	13
42	2D Spherulites of a Semi-Fluorinated Alkane: Controlled Access to Either Radial Or Ring-Banded Morphologies. <i>ChemPhysChem</i> , 2018, 19, 29-33.	1.0	6
43	Frontispiece: 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, .	1.7	1
44	The sickle cell trait affects contact dynamics and endothelial cell activation in Plasmodium falciparum-infected erythrocytes. <i>Communications Biology</i> , 2018, 1, 211.	2.0	23
45	HIV-1 Nef Disrupts CD4+ T Lymphocyte Polarity, Extravasation, and Homing to Lymph Nodes via Its Nef-Associated Kinase Complex Interface. <i>Journal of Immunology</i> , 2018, 201, 2731-2743.	0.4	11
46	Optical Fluid Pump: Generation of Directional Flow via Microphase Segregation/Homogenization. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5792-5796.	2.1	1
47	Nonlinear Viscoelasticity of Highly Ordered, Two-Dimensional Assemblies of Metal Nanoparticles Confined at the Air/Water Interface. <i>Langmuir</i> , 2018, 34, 13025-13034.	1.6	4
48	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.	1.7	26
49	Nonclassical Interactions of Phosphatidylcholine with Mucin Protect Intestinal Surfaces: A Microinterferometry Study. <i>Langmuir</i> , 2018, 34, 14046-14057.	1.6	9
50	Low Cell-Matrix Adhesion Reveals Two Subtypes of Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 142-156.	2.3	37
51	Simple Physical Model Unravels Influences of Chemokine on Shape Deformation and Migration of Human Hematopoietic Stem Cells. <i>Scientific Reports</i> , 2018, 8, 10630.	1.6	5
52	Neutron Scattering Reveals Water Confined in a Watertight Bilayer Vesicle. <i>Journal of the American Chemical Society</i> , 2018, 140, 11261-11266.	6.6	13
53	Lipid-coated mesoporous silica microparticles for the controlled delivery of β -galactosidase into intestines. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5633-5639.	2.9	17
54	Biopolymer-Based Minimal Formulations Boost Viability and Metabolic Functionality of Probiotics <i>Lactobacillus rhamnosus</i> GG through Gastrointestinal Passage. <i>Langmuir</i> , 2018, 34, 11167-11175.	1.6	23

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55	Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. <i>Nature Communications</i> , 2018, 9, 2049.	5.8	127
56	Accumulation of phosphatidylcholine on gut mucosal surface is not dominated by electrostatic interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 959-965.	1.4	18
57	Mechanical diagnosis of human erythrocytes by ultra-high speed manipulation unraveled critical time window for global cytoskeletal remodeling. <i>Scientific Reports</i> , 2017, 7, 43134.	1.6	32
58	Red blood cell deformability upon continuous or repetitive loadings. , 2017, , .		2
59	Observation of cell pinball through high speed switching between reflection interference and phase contrast. , 2017, , .		2
60	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.	1.6	5
61	Mechanical Response of Single Triacylglycerol Spherulites by Using Microcolloidal Probes. <i>Chemistry Letters</i> , 2017, 46, 599-601.	0.7	5
62	Ion-Specific Modulation of Interfacial Interaction Potentials between Solid Substrates and Cell-Sized Particles Mediated via Zwitterionic, Super-Hydrophilic Poly(sulfobetaine) Brushes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1396-1404.	1.2	17
63	Lensless Tomographic Imaging of Near Surface Structures of Frozen Hydrated Malaria-Infected Human Erythrocytes by Coherent X-Ray Diffraction Microscopy. <i>Scientific Reports</i> , 2017, 7, 14081.	1.6	6
64	Dynamic Mechano-Regulation of Myoblast Cells on Supramolecular Hydrogels Cross-Linked by Reversible Host-Guest Interactions. <i>Scientific Reports</i> , 2017, 7, 7660.	1.6	46
65	Adsorption of galloyl catechin aggregates significantly modulates membrane mechanics in the absence of biochemical cues. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19937-19947.	1.3	18
66	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.	1.0	17
67	Existence of Two-Dimensional Physical Gels even at Zero Surface Pressure at the Air/Water Interface: Rheology of Self-Assembled Domains of Small Molecules. <i>Angewandte Chemie</i> , 2017, 129, 12777-12781.	1.6	3
68	Existence of Two-Dimensional Physical Gels even at Zero Surface Pressure at the Air/Water Interface: Rheology of Self-Assembled Domains of Small Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12603-12607.	7.2	14
69	Cooling induces phase separation in membranes derived from isolated CNS myelin. <i>PLoS ONE</i> , 2017, 12, e0184881.	1.1	4
70	High-resolution cell manipulation for longstanding load on red blood cells. , 2016, , .		1
71	Epidermal-specific deletion of CD44 reveals a function in keratinocytes in response to mechanical stress. <i>Cell Death and Disease</i> , 2016, 7, e2461-e2461.	2.7	35
72	N-glycosylation enables high lateral mobility of GPI-anchored proteins at a molecular crowding threshold. <i>Nature Communications</i> , 2016, 7, 12870.	5.8	29

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73	Frequent mechanical stress suppresses proliferation of mesenchymal stem cells from human bone marrow without loss of multipotency. <i>Scientific Reports</i> , 2016, 6, 24264.	1.6	39
74	Tracking mechanical and morphological dynamics of regenerating Hydra tissue fragments using a two fingered micro-robotic hand. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	9
75	Catch, load and launch toward on-chip active cell evaluation. , 2016, , .		11
76	Fine Adjustment of Interfacial Potential between pH-Responsive Hydrogels and Cell-Sized Particles. <i>Langmuir</i> , 2015, 31, 8689-8696.	1.6	11
77	Cytoadhesion of <i>Plasmodium falciparum</i> infected erythrocytes to chondroitin-4-sulfate is cooperative and shear enhanced. <i>Blood</i> , 2015, 125, 383-391.	0.6	36
78	Quantification of the Influence of Endotoxins on the Mechanics of Adult and Neonatal Red Blood Cells. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7837-7845.	1.2	10
79	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.	1.2	12
80	Impact of Lipid Oxidization on Biophysical Properties of Model Cell Membranes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5857-5863.	1.2	29
81	Bacterial lipopolysaccharides form physically cross-linked, two-dimensional gels in the presence of divalent cations. <i>Soft Matter</i> , 2015, 11, 6037-6044.	1.2	49
82	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.	1.6	10
83	Influence of length and conformation of saccharide head groups on the mechanics of glycolipid membranes: Unraveled by off-specular neutron scattering. <i>Journal of Chemical Physics</i> , 2015, 142, 154907.	1.2	6
84	Combination of MD Simulations with Two-State Kinetic Rate Modeling Elucidates the Chain Melting Transition of Phospholipid Bilayers for Different Hydration Levels. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14157-14167.	1.2	23
85	Live cell tracking of symmetry break in actin cytoskeleton triggered by abrupt changes in micromechanical environments. <i>Biomaterials Science</i> , 2015, 3, 1539-1544.	2.6	13
86	Quantifying Adhesion Mechanisms and Dynamics of Human Hematopoietic Stem and Progenitor Cells. <i>Scientific Reports</i> , 2015, 5, 9370.	1.6	29
87	High Precision, Electrochemical Detection of Reversible Binding of Recombinant Proteins on Wide Bandgap GaN Electrodes Functionalized with Biomembrane Models. <i>Advanced Functional Materials</i> , 2014, 24, 4927-4934.	7.8	4
88	Mechanistic Investigation of Interactions between Steroidal Saponin Digitonin and Cell Membrane Models. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14632-14639.	1.2	48
89	Counteracting the inhibitory effect of proteins towards lung surfactant substitutes: a fluorocarbon gas helps displace albumin at the air/water interface. <i>Chemical Communications</i> , 2014, 50, 11576-11579.	2.2	18
90	High Contrast Visualization of Cell-Hydrogel Contact by Advanced Interferometric Optical Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 253-257.	2.1	14

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91	Unraveling Mesoscopic, Hierarchical Structures of Bio/Soft Interfaces Using Grazing Incidence Scattering and Fluorescence. <i>Seibutsu Butsuri</i> , 2014, 54, 114-117.	0.0	0
92	Physics of interactions at biological and biomaterial interfaces. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 432-439.	3.4	13
93	Grazing-Incidence Neutron-Induced Fluorescence Probes Density Profiles of Labeled Molecules at Solid/Liquid Interfaces. <i>Langmuir</i> , 2013, 29, 4084-4091.	1.6	4
94	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.	1.2	14
95	Morphology and Adhesion Strength of Myoblast Cells on Photocurable Gelatin under Native and Non-native Micromechanical Environments. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4081-4088.	1.2	31
96	Supported Membranes Meet Flat Fluidics: Monitoring Dynamic Cell Adhesion on Pump-Free Microfluidics Chips Functionalized with Supported Membranes Displaying Mannose Domains. <i>Materials</i> , 2013, 6, 669-681.	1.3	2
97	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.	0.8	33
98	Cell Differentiation of Pluripotent Tissue Sheets Immobilized on Supported Membranes Displaying Cadherin-11. <i>PLoS ONE</i> , 2013, 8, e54749.	1.1	20
99	Quantitative determination of the lateral density and intermolecular correlation between proteins anchored on the membrane surfaces using grazing incidence small-angle X-ray scattering and grazing incidence X-ray fluorescence. <i>Journal of Chemical Physics</i> , 2012, 137, 204907.	1.2	21
100	Quantitative Evaluation of Adhesion of Osteosarcoma Cells to Hydrophobic Polymer Substrate with Tunable Elasticity. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8024-8030.	1.2	18
101	Functional expression of Ca ²⁺ dependent mammalian transmembrane gap junction protein Cx43 in slime mold <i>Dictyostelium discoideum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 165-169.	1.0	2
102	5.13 Supported Membranes “ Structure and Interactions. , 2012, , 261-272.		0
103	Functional Coating of Porous Silica Microparticles with Native Biomembranes towards Portable Flow-through Biochemical Microreactors. <i>Advanced Functional Materials</i> , 2012, 22, 4873-4878.	7.8	9
104	Spatio-Temporal Patterns of Pancreatic Cancer Cells Expressing CD44 Isoforms on Supported Membranes Displaying Hyaluronic Acid Oligomers Arrays. <i>PLoS ONE</i> , 2012, 7, e42991.	1.1	34
105	Dissipative Structure Formation in Lipid/Lipopolymer Monolayers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2256-2263.	1.2	9
106	Quantitative Evaluation of Mechanosensing of Cells on Dynamically Tunable Hydrogels. <i>Journal of the American Chemical Society</i> , 2011, 133, 1367-1374.	6.6	164
107	Membrane Adhesion via Homophilic Saccharide-Saccharide Interactions Investigated by Neutron Scattering. <i>Biophysical Journal</i> , 2011, 100, 2151-2159.	0.2	37
108	Physical Chemistry of Biological Interfaces: Generic and Specific Roles of Soft Interlayers. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1728-1738.	1.7	2

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109	First order melting transitions of highly ordered dipalmitoyl phosphatidylcholine gel phase membranes in molecular dynamics simulations with atomistic detail. <i>Journal of Chemical Physics</i> , 2011, 135, 055105.	1.2	41
110	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.	3.3	112
111	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.	0.8	39
112	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.	0.7	10
113	Equivalent Aqueous Phase Modulation of Domain Segregation in Myelin Monolayers and Bilayer Vesicles. <i>Biophysical Journal</i> , 2010, 99, 1500-1509.	0.2	12
114	Modulation of Band Bending of Gallium Arsenide with Oriented Helical Peptide Monolayers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22677-22683.	1.5	9
115	Mechanical properties of interacting lipopolysaccharide membranes from bacteria mutants studied by specular and off-specular neutron scattering. <i>Physical Review E</i> , 2009, 80, 041929.	0.8	32
116	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.	1.5	59
117	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.	1.0	19
118	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.	0.2	42
119	Gallium nitride electrodes for membrane-based electrochemical biosensors. <i>European Physical Journal E</i> , 2009, 30, 233-8.	0.7	14
120	Covalent modification of chitin with silk-derivatives acts as an amphiphilic self-organizing template in nacre biomineralisation. <i>Journal of Structural Biology</i> , 2009, 167, 68-75.	1.3	27
121	Native supported membranes on planar polymer supports and micro-particle supports. <i>Journal of Structural Biology</i> , 2009, 168, 137-142.	1.3	20
122	Orientation-Selective Incorporation of Transmembrane F ₀ F ₁ ATP Synthase Complex from <i>Micrococcus luteus</i> in Polymer-Supported Membranes. <i>Macromolecular Bioscience</i> , 2008, 8, 1034-1043.	2.1	16
123	Diffusion of glycosylphosphatidylinositol (GPI)-anchored bovine prion protein (PrP _c) in supported lipid membranes studied by single-molecule and complementary ensemble methods. <i>Journal of Membrane Science</i> , 2008, 321, 61-68.	4.1	7
124	Native supported membranes: Creation of two-dimensional cell membranes on polymer supports (Review). <i>Biointerphases</i> , 2008, 3, FA12-FA16.	0.6	20
125	Structures of regenerated cellulose films revealed by grazing incidence small-angle x-ray scattering. <i>Biointerphases</i> , 2008, 3, 117-127.	0.6	28
126	Electrochemical Sensing of Membrane Potential and Enzyme Function Using Gallium Arsenide Electrodes Functionalized with Supported Membranes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5736-5741.	1.2	18

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127	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.	1.2	12
128	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	13
129	Modulation of intermembrane interaction and bending rigidity of biomembrane models via carbohydrates investigated by specular and off-specular neutron scattering. <i>Physical Review E</i> , 2008, 78, 061924.	0.8	26
130	Polymer-tethered membranes as quantitative models for the study of integrin-mediated cell adhesion. <i>Soft Matter</i> , 2007, 3, 333-336.	1.2	51
131	Frictional Drag and Electrical Manipulation of Recombinant Proteins in Polymer-Supported Membranes. <i>Langmuir</i> , 2007, 23, 5638-5644.	1.6	36
132	Quantitative in Vitro Biopolymerization to Chitin in Native Chitosomal Membranes Supported by Silica Microparticles. <i>Journal of the American Chemical Society</i> , 2007, 129, 10807-10813.	6.6	10
133	pH Sensitivity of Gallium Arsenide (GaAs) Electrodes Functionalized with Methylmercaptobiphenyl Monolayers. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12414-12419.	1.5	11
134	Control of Frictional Coupling of Transmembrane Cell Receptors in Model Cell Membranes with Linear Polymer Spacers. <i>Physical Review Letters</i> , 2007, 98, 078102.	2.9	37
135	Physical study of the arrangement of pure cationic glycolipids and interaction with phospholipids, in support of the optimisation of anti-HIV therapies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 303, 55-72.	2.3	12
136	Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 1:Å Lateral Chain Density and Conformation. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9171-9176.	1.2	40
137	Binding of Small Mono- and Oligomeric Integrin Ligands to Membrane-Embedded Integrins Monitored by Surface Plasmon-Enhanced Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2006, 78, 4524-4533.	3.2	21
138	Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 2:Å Membrane Interactions at the Solid/Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9177-9182.	1.2	30
139	Polymer-Supported Membranes: Physical Models of Cell Surfaces. <i>MRS Bulletin</i> , 2006, 31, 513-520.	1.7	35
140	Supported membranes as biofunctional interfaces and smart biosensor platforms. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3452-3462.	0.8	42
141	Polymer-supported membranes as models of the cell surface. <i>Nature</i> , 2005, 437, 656-663.	13.7	873
142	Oligomer-to-Polymer Transition in Short Ethylene Glycol Chains Connected to Mobile Hydrophobic Anchors. <i>ChemPhysChem</i> , 2005, 6, 101-109.	1.0	1
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