

Tinglu Yang

List of Publications by Year in descending order

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37
papers

3,412
citations

236925

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315739

38
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38
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycolipids as Receptors for <i>Bacillus thuringiensis</i> Crystal Toxin. <i>Science</i> , 2005, 307, 922-925.	12.6	316
2	Specific Ion Effects on Interfacial Water Structure near Macromolecules. <i>Journal of the American Chemical Society</i> , 2007, 129, 12272-12279.	13.7	294
3	Fabrication of Phospholipid Bilayer-Coated Microchannels for On-Chip Immunoassays. <i>Analytical Chemistry</i> , 2001, 73, 165-169.	6.5	239
4	Single Ion-Channel Recordings Using Glass Nanopore Membranes. <i>Journal of the American Chemical Society</i> , 2007, 129, 11766-11775.	13.7	238
5	Design and Characterization of Immobilized Enzymes in Microfluidic Systems. <i>Analytical Chemistry</i> , 2002, 74, 379-385.	6.5	231
6	Stable Ordering in Langmuir-Blodgett Films. <i>Science</i> , 2001, 293, 1292-1295.	12.6	200
7	GM1 Clustering Inhibits Cholera Toxin Binding in Supported Phospholipid Membranes. <i>Journal of the American Chemical Society</i> , 2007, 129, 5954-5961.	13.7	175
8	A Microfluidic Device with a Linear Temperature Gradient for Parallel and Combinatorial Measurements. <i>Journal of the American Chemical Society</i> , 2002, 124, 4432-4435.	13.7	173
9	Evaporation-Induced Assembly of Quantum Dots into Nanorings. <i>ACS Nano</i> , 2009, 3, 173-180.	14.6	155
10	Positive and negative chemotaxis of enzyme-coated liposome motors. <i>Nature Nanotechnology</i> , 2019, 14, 1129-1134.	31.5	152
11	Effect of Average Phospholipid Curvature on Supported Bilayer Formation on Glass by Vesicle Fusion. <i>Biophysical Journal</i> , 2006, 90, 1241-1248.	0.5	133
12	Fluid and Air-Stable Lipopolymer Membranes for Biosensor Applications. <i>Langmuir</i> , 2005, 21, 7476-7482.	3.5	132
13	Investigations of Bivalent Antibody Binding on Fluid-Supported Phospholipid Membranes: The Effect of Hapten Density. <i>Journal of the American Chemical Society</i> , 2003, 125, 4779-4784.	13.7	125
14	Specific Anion Effects on Water Structure Adjacent to Protein Monolayers. <i>Langmuir</i> , 2010, 26, 16447-16454.	3.5	114
15	Creating Spatially Addressed Arrays of Planar Supported Fluid Phospholipid Membranes. <i>Journal of the American Chemical Society</i> , 1999, 121, 8130-8131.	13.7	95
16	Creating Fluid and Air-Stable Solid Supported Lipid Bilayers. <i>Journal of the American Chemical Society</i> , 2004, 126, 6512-6513.	13.7	88
17	Guanidinium can both Cause and Prevent the Hydrophobic Collapse of Biomacromolecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 863-870.	13.7	76
18	Impact of Hapten Presentation on Antibody Binding at Lipid Membrane Interfaces. <i>Biophysical Journal</i> , 2008, 94, 3094-3103.	0.5	59

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19	Weakly hydrated anions bind to polymers but not monomers in aqueous solutions. <i>Nature Chemistry</i> , 2022, 14, 40-45.	13.6	57
20	Protein Separation by Electrophoreticâ€“Electroosmotic Focusing on Supported Lipid Bilayers. <i>Analytical Chemistry</i> , 2011, 83, 7876-7880.	6.5	42
21	Creating Addressable Aqueous Microcompartments above Solid Supported Phospholipid Bilayers Using Lithographically Patterned Poly(dimethylsiloxane) Molds. <i>Analytical Chemistry</i> , 2000, 72, 2587-2589.	6.5	36
22	Sensing Small Molecule Interactions with Lipid Membranes by Local pH Modulation. <i>Analytical Chemistry</i> , 2013, 85, 10240-10248.	6.5	35
23	Supported Lipid Bilayers with Phosphatidylethanolamine as the Major Component. <i>Langmuir</i> , 2017, 33, 13423-13429.	3.5	33
24	Introduction of Positive Charges into Zwitterionic Phospholipid Monolayers Disrupts Water Structure Whereas Negative Charges Enhances It. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12260-12270.	2.6	29
25	Multistep Interactions between Ibuprofen and Lipid Membranes. <i>Langmuir</i> , 2018, 34, 10782-10792.	3.5	28
26	Multiplexing Ligandâˆ“Receptor Binding Measurements by Chemically Patterning Microfluidic Channels. <i>Analytical Chemistry</i> , 2008, 80, 6078-6084.	6.5	27
27	Benchtop chemistry for the rapid prototyping of label-free biosensors: Transmission localized surface plasmon resonance platforms. <i>Biointerphases</i> , 2009, 4, 80-85.	1.6	22
28	Deflected Capillary Force Lithography. <i>ACS Nano</i> , 2012, 6, 1548-1556.	14.6	22
29	A stepwise mechanism for aqueous two-phase system formation in concentrated antibody solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15784-15791.	7.1	21
30	Spatially Selective Optical Tuning of Quantum Dot Thin Film Luminescence. <i>Journal of the American Chemical Society</i> , 2009, 131, 18204-18205.	13.7	20
31	Zn ²⁺ Binds to Phosphatidylserine and Induces Membrane Blebbing. <i>Journal of the American Chemical Society</i> , 2020, 142, 18679-18686.	13.7	14
32	Monitoring Phosphatidic Acid Formation in Intact Phosphatidylcholine Bilayers upon Phospholipase D Catalysis. <i>Analytical Chemistry</i> , 2014, 86, 1753-1759.	6.5	9
33	Simultaneous Detection of Multiple Proteins that Bind to the Identical Ligand in Supported Lipid Bilayers. <i>Analytical Chemistry</i> , 2015, 87, 7163-7170.	6.5	6
34	Contact Ion Pair Formation Is Not Necessarily Stronger than Solvent Shared Ion Pairing. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 923-930.	4.6	6
35	Immobilization of Phosphatidylinositides Revealed by Bilayer Leaflet Decoupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 13003-13010.	13.7	5
36	Modulation of Cu ²⁺ Binding to Sphingosine-1-Phosphate by Lipid Charge. <i>Langmuir</i> , 2019, 35, 824-830.	3.5	2

#	ARTICLE	IF	CITATIONS
37	Study on crystalline MgO catalyst treated by shock waves. Journal of Materials Science Letters, 1997, 16, 927-929.	0.5	1