Kaori Sugihara

List of Publications by Year
in descending order

37	1,117	623188	395343
papers	citations	14 h-index	33 g-index

38	38	38	1765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liposome and Lipid Bilayer Arrays Towards Biosensing Applications. Small, 2010, 6, 2481-2497.	5.2	191
2	Artificial Bacterial Flagella for Remoteâ€Controlled Targeted Singleâ€Cell Drug Delivery. Small, 2014, 10, 1953-1957.	5.2	178
3	Anion Transport with Pnictogen Bonds in Direct Comparison with Chalcogen and Halogen Bonds. Journal of the American Chemical Society, 2019, 141, 810-814.	6.6	149
4	Switching Transport through Nanopores with pH-Responsive Polymer Brushes for Controlled Ion Permeability. ACS Applied Materials & Interfaces, 2013, 5, 1400-1407.	4.0	90
5	Electrochemical plasmonic sensors. Analytical and Bioanalytical Chemistry, 2012, 402, 1773-1784.	1.9	71
6	Mechanosensitive Oligodithienothiophenes: Transmembrane Anion Transport Along Chalcogenâ€Bonding Cascades. Helvetica Chimica Acta, 2018, 101, e1800014.	1.0	46
7	Techniques for recording reconstituted ion channels. Analyst, The, 2011, 136, 1077.	1.7	45
8	Electrical polarization of nuclear spins in a breakdown regime of quantum Hall effect. Applied Physics Letters, 2007, 90, 022102.	1.5	44
9	A Gigaseal Obtained with a Self-Assembled Long-Lifetime Lipid Bilayer on a Single Polyelectrolyte Multilayer-Filled Nanopore. ACS Nano, 2010, 4, 5047-5054.	7.3	34
10	A universal method for planar lipid bilayer formation by freeze and thaw. Soft Matter, 2012, 8, 5525.	1.2	21
11	Directed Self-Assembly of Lipid Nanotubes from Inverted Hexagonal Structures. ACS Nano, 2012, 6, 6626-6632.	7.3	21
12	Mechanism of Polydiacetylene Blue-to-Red Transformation Induced by Antimicrobial Peptides. Macromolecules, 2020, 53, 6469-6475.	2.2	21
13	Recent progress in polydiacetylene mechanochromism. Nanoscale, 2022, 14, 1670-1678.	2.8	19
14	Simultaneous OWLS and EIS monitoring of supported lipid bilayers with the pore forming peptide melittin. Sensors and Actuators B: Chemical, 2012, 161, 600-606.	4.0	18
15	Quantitative and Anisotropic Mechanochromism of Polydiacetylene at Nanoscale. Nano Letters, 2021, 21, 543-549.	4.5	18
16	Mechanosensitivity of polydiacetylene with a phosphocholine headgroup. Soft Matter, 2017, 13, 1728-1736.	1.2	16
17	Combined Electrical and Optical Characterization of Polydiacetylene. Journal of Physical Chemistry B, 2016, 120, 3511-3515.	1.2	15
18	Detailed Study on the Failure of the Wedge Calibration Method at Nanonewton Setpoints for Friction Force Microscopy. Journal of Physical Chemistry C, 2018, 122, 11464-11474.	1.5	13

#	Article	IF	Citations
19	Cooperative Function of LL-37 and HNP1 Protects Mammalian Cell Membranes from Lysis. Biophysical Journal, 2020, 119, 2440-2450.	0.2	13
20	The deconvolution analysis of ATR-FTIR spectra of diacetylene during UV exposure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 23-32.	2.0	12
21	Black Lipid Membranes: Challenges in Simultaneous Quantitative Characterization by Electrophysiology and Fluorescence Microscopy. Langmuir, 2019, 35, 8748-8757.	1.6	10
22	Flipper Probes for the Community. Chimia, 2021, 75, 1004.	0.3	9
23	Recharging N95 masks using a van de Graaff generator for safe recycling. Soft Matter, 2021, 17, 10-15.	1.2	8
24	Label-free detection of cell-contractile activity with lipid nanotubes. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.6	7
25	Characterization of di-4-ANEPPS with nano-black lipid membranes. Nanoscale, 2018, 10, 1090-1098.	2.8	7
26	The Resistance of Polyelectrolyte Multilayers in a Free-Hanging Configuration. Journal of Physical Chemistry B, 2010, 114, 13982-13987.	1.2	6
27	Freely drawn single lipid nanotube patterns. Soft Matter, 2015, 11, 2029-2035.	1.2	6
28	Gold Nanowire Fabrication with Surfaceâ€Attached Lipid Nanotube Templates. Small, 2016, 12, 4830-4836.	5.2	6
29	Analysis of PDA Dose Curves for the Extraction of Antimicrobial Peptide Properties. Journal of Physical Chemistry B, 2021, 125, 12206-12213.	1.2	6
30	Lipid Nanotubes as an Organic Template for an Electrically Conductive Gold Nanostructure Network. Journal of Physical Chemistry B, 2020, 124, 5761-5769.	1.2	4
31	Spin-dependent nonlocal resistance in aSiâˆ•SiGequantum Hall conductor. Physical Review B, 2007, 75, .	1.1	3
32	Artificial tubular connections between cells based on synthetic lipid nanotubes. RSC Advances, 2017, 7, 20700-20708.	1.7	3
33	Electrically induced lipid migration in non-lamellar phase. Journal of Colloid and Interface Science, 2012, 386, 421-427.	5.0	2
34	Self-assembled Lipid Structures as Model Systems for Studying Electrical and Mechanical Properties of Cell Membranes. Chimia, 2016, 70, 805.	0.3	2
35	Effect of the nonspecific binding in differential impedance biosensing. Biointerphases, 2019, 14, 011004.	0.6	2
36	Lipid nanotubes as an organic template for the fabrication of carbon nanostructures by pyrolysis. Nanoscale, 2021, 13, 6927-6933.	2.8	1

#	Article	IF	Citations
37	Valley-splitting edge-channel transport in a Si/SiGe quantum Hall system. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1523-1525.	1.3	0