

# Kaori Sugihara

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,117  
citations

623188

14  
h-index

395343

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in polydiacetylene mechanochromism. <i>Nanoscale</i> , 2022, 14, 1670-1678.	2.8	19
2	Recharging N95 masks using a van de Graaff generator for safe recycling. <i>Soft Matter</i> , 2021, 17, 10-15.	1.2	8
3	Lipid nanotubes as an organic template for the fabrication of carbon nanostructures by pyrolysis. <i>Nanoscale</i> , 2021, 13, 6927-6933.	2.8	1
4	Quantitative and Anisotropic Mechanochromism of Polydiacetylene at Nanoscale. <i>Nano Letters</i> , 2021, 21, 543-549.	4.5	18
5	Analysis of PDA Dose Curves for the Extraction of Antimicrobial Peptide Properties. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12206-12213.	1.2	6
6	Flipper Probes for the Community. <i>Chimia</i> , 2021, 75, 1004.	0.3	9
7	Mechanism of Polydiacetylene Blue-to-Red Transformation Induced by Antimicrobial Peptides. <i>Macromolecules</i> , 2020, 53, 6469-6475.	2.2	21
8	Cooperative Function of LL-37 and HNP1 Protects Mammalian Cell Membranes from Lysis. <i>Biophysical Journal</i> , 2020, 119, 2440-2450.	0.2	13
9	Lipid Nanotubes as an Organic Template for an Electrically Conductive Gold Nanostructure Network. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5761-5769.	1.2	4
10	Black Lipid Membranes: Challenges in Simultaneous Quantitative Characterization by Electrophysiology and Fluorescence Microscopy. <i>Langmuir</i> , 2019, 35, 8748-8757.	1.6	10
11	The deconvolution analysis of ATR-FTIR spectra of diacetylene during UV exposure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 23-32.	2.0	12
12	Effect of the nonspecific binding in differential impedance biosensing. <i>Biointerphases</i> , 2019, 14, 011004.	0.6	2
13	Anion Transport with Pnictogen Bonds in Direct Comparison with Chalcogen and Halogen Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 810-814.	6.6	149
14	Characterization of di-4-ANEPPS with nano-black lipid membranes. <i>Nanoscale</i> , 2018, 10, 1090-1098.	2.8	7
15	Mechanosensitive Oligodithienothiophenes: Transmembrane Anion Transport Along Chalcogen-Bonding Cascades. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800014.	1.0	46
16	Detailed Study on the Failure of the Wedge Calibration Method at Nanonewton Setpoints for Friction Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11464-11474.	1.5	13
17	Mechanosensitivity of polydiacetylene with a phosphocholine headgroup. <i>Soft Matter</i> , 2017, 13, 1728-1736.	1.2	16
18	Artificial tubular connections between cells based on synthetic lipid nanotubes. <i>RSC Advances</i> , 2017, 7, 20700-20708.	1.7	3

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19	Self-assembled Lipid Structures as Model Systems for Studying Electrical and Mechanical Properties of Cell Membranes. <i>Chimia</i> , 2016, 70, 805.	0.3	2
20	Combined Electrical and Optical Characterization of Polydiacetylene. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3511-3515.	1.2	15
21	Gold Nanowire Fabrication with Surface-Attached Lipid Nanotube Templates. <i>Small</i> , 2016, 12, 4830-4836.	5.2	6
22	Freely drawn single lipid nanotube patterns. <i>Soft Matter</i> , 2015, 11, 2029-2035.	1.2	6
23	Artificial Bacterial Flagella for Remote-Controlled Targeted Single-Cell Drug Delivery. <i>Small</i> , 2014, 10, 1953-1957.	5.2	178
24	Label-free detection of cell-contractile activity with lipid nanotubes. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 107-114.	0.6	10
25	Switching Transport through Nanopores with pH-Responsive Polymer Brushes for Controlled Ion Permeability. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1400-1407.	4.0	90
26	A universal method for planar lipid bilayer formation by freeze and thaw. <i>Soft Matter</i> , 2012, 8, 5525.	1.2	21
27	Electrically induced lipid migration in non-lamellar phase. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 421-427.	5.0	2
28	Directed Self-Assembly of Lipid Nanotubes from Inverted Hexagonal Structures. <i>ACS Nano</i> , 2012, 6, 6626-6632.	7.3	21
29	Simultaneous OWLS and EIS monitoring of supported lipid bilayers with the pore forming peptide melittin. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 600-606.	4.0	18
30	Electrochemical plasmonic sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1773-1784.	1.9	71
31	Techniques for recording reconstituted ion channels. <i>Analyst</i> , 2011, 136, 1077.	1.7	45
32	Liposome and Lipid Bilayer Arrays Towards Biosensing Applications. <i>Small</i> , 2010, 6, 2481-2497.	5.2	191
33	The Resistance of Polyelectrolyte Multilayers in a Free-Hanging Configuration. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13982-13987.	1.2	6
34	A Gigaseal Obtained with a Self-Assembled Long-Lifetime Lipid Bilayer on a Single Polyelectrolyte Multilayer-Filled Nanopore. <i>ACS Nano</i> , 2010, 4, 5047-5054.	7.3	34
35	Valley-splitting edge-channel transport in a Si/SiGe quantum Hall system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1523-1525.	1.3	0
36	Spin-dependent nonlocal resistance in a Si/SiGe quantum Hall conductor. <i>Physical Review B</i> , 2007, 75, .	1.1	3

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37	Electrical polarization of nuclear spins in a breakdown regime of quantum Hall effect. Applied Physics Letters, 2007, 90, 022102.	1.5	44