

Kenichi G N Suzuki

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

4,211
citations

257450

24
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

3974
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Supramolecular Nanostructures through in Situ Self-Assembly and Post-Assembly Modification of a Biocatalytically Constructed Dipeptide Hydrazide**. Chemistry - A European Journal, 2022, 28, .	3.3	1
2	Construction of a Reduction-responsive DNA Microsphere using a Reduction-cleavable Spacer based on a Nitrobenzene Scaffold. Chemistry - an Asian Journal, 2022, 17, .	3.3	5
3	Functional Reconstitution of Dopamine D2 Receptor into a Supported Model Membrane in a Nanometric Confinement. Advanced Biology, 2021, 5, e2100636.	2.5	1
4	Dynamic actin-mediated nano-scale clustering of CD44 regulates its meso-scale organization at the plasma membrane. Molecular Biology of the Cell, 2020, 31, 561-579.	2.1	38
5	Defining raft domains in the plasma membrane. Traffic, 2020, 21, 106-137.	2.7	94
6	Development of Fluorescent Ganglioside GD3 and GQ1b Analogs for Elucidation of Raft-Associated Interactions. Journal of Organic Chemistry, 2020, 85, 15998-16013.	3.2	14
7	One-Pot Construction of Multicomponent Supramolecular Materials Comprising Self-Sorted Supramolecular Architectures of DNA and Semi-Artificial Glycopeptides. ACS Applied Bio Materials, 2020, 3, 9082-9092.	4.6	11
8	High-speed single-molecule imaging reveals signal transduction by induced transbilayer raft phases. Journal of Cell Biology, 2020, 219, .	5.2	35
9	Hybrid Soft Nanomaterials Composed of DNA Microspheres and Supramolecular Nanostructures of Semi-artificial Glycopeptides. Chemistry - A European Journal, 2019, 25, 11955-11962.	3.3	20
10	Dual-FRET imaging of IP3 and Ca ²⁺ revealed Ca ²⁺ -induced IP3 production maintains long lasting Ca ²⁺ oscillations in fertilized mouse eggs. Scientific Reports, 2019, 9, 4829.	3.3	18
11	AMPA receptors in the synapse turnover by monomer diffusion. Nature Communications, 2019, 10, 5245.	12.8	22
12	Development of Fluorescently Labeled SSEA-3, SSEA-4, and Globo-H Glycosphingolipids for Elucidating Molecular Interactions in the Cell Membrane. International Journal of Molecular Sciences, 2019, 20, 6187.	4.1	16
13	Structural Biology of Glycans. , 2019, , 35-63.		0
14	Super-long single-molecule tracking reveals dynamic-anchorage-induced integrin function. Nature Chemical Biology, 2018, 14, 497-506.	8.0	93
15	Native prion protein homodimers are destabilized by oligomeric amyloid β 42 species as shown by single-molecule imaging. NeuroReport, 2018, 29, 106-111.	1.2	5
16	Unraveling of Lipid Raft Organization in Cell Plasma Membranes by Single-Molecule Imaging of Ganglioside Probes. Advances in Experimental Medicine and Biology, 2018, 1104, 41-58.	1.6	8
17	Evidence of lipid rafts based on the partition and dynamic behavior of sphingomyelins. Chemistry and Physics of Lipids, 2018, 215, 84-95.	3.2	29
18	Revealing the Raft Domain Organization in the Plasma Membrane by Single-Molecule Imaging of Fluorescent Ganglioside Analogs. Methods in Enzymology, 2018, 598, 267-282.	1.0	19

#	ARTICLE	IF	CITATIONS
19	Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. <i>Journal of Cell Biology</i> , 2017, 216, 1183-1204.	5.2	108
20	Development of new ganglioside probes and unraveling of raft domain structure by single-molecule imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2494-2506.	2.4	32
21	Syntheses of Fluorescent Gangliosides for the Studies of Raft Domains. <i>Methods in Enzymology</i> , 2017, 597, 239-263.	1.0	17
22	Raft-based interactions of gangliosides with a GPI-anchored receptor. <i>Nature Chemical Biology</i> , 2016, 12, 402-410.	8.0	165
23	Confined diffusion of transmembrane proteins and lipids induced by the same actin meshwork lining the plasma membrane. <i>Molecular Biology of the Cell</i> , 2016, 27, 1101-1119.	2.1	165
24	Single-Molecule Imaging of Signal Transduction via GPI-Anchored Receptors. <i>Methods in Molecular Biology</i> , 2016, 1376, 229-238.	0.9	9
25	New Insights into the Organization of Plasma Membrane and Its Role in Signal Transduction. <i>International Review of Cell and Molecular Biology</i> , 2015, 317, 67-96.	3.2	14
26	Single Molecule Imaging. , 2015, , 557-564.		0
27	Ultrafast Diffusion of a Fluorescent Cholesterol Analog in Compartmentalized Plasma Membranes. <i>Traffic</i> , 2014, 15, 583-612.	2.7	77
28	Single-Molecule Imaging of Receptor Receptor Interactions. <i>Methods in Cell Biology</i> , 2013, 117, 373-390.	1.1	20
29	New Raft Hypothesis: Mechanisms for Signal Transduction & via Rafts in Cell Membranes. <i>Seibutsu Butsuri</i> , 2013, 53, 295-300.	0.1	0
30	Dynamic Organizing Principles of the Plasma Membrane that Regulate Signal Transduction: Commemorating the Fortieth Anniversary of Singer and Nicolson's Fluid-Mosaic Model. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 215-250.	9.4	394
31	Membrane mechanisms for signal transduction: The coupling of the meso-scale raft domains to membrane-skeleton-induced compartments and dynamic protein complexes. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 126-144.	5.0	127
32	Transient GPI-anchored protein homodimers are units for raft organization and function. <i>Nature Chemical Biology</i> , 2012, 8, 774-783.	8.0	234
33	Lipid rafts generate digital-like signal transduction in cell plasma membranes. <i>Biotechnology Journal</i> , 2012, 7, 753-761.	3.5	59
34	Archipelago architecture of the focal adhesion: Membrane molecules freely enter and exit from the focal adhesion zone. <i>Cytoskeleton</i> , 2012, 69, 380-392.	2.0	50
35	Membrane Molecules Mobile even after Chemical Fixation. <i>Seibutsu Butsuri</i> , 2011, 51, 226-227.	0.1	0
36	2K1512 Enhanced confinement of activated EGF receptor in the plasma membrane compartments revealed by ultra high-speed single-molecule tracking(<i>Cell biology 2</i> ,The 48th Annual Meeting of the) Tj ETQq0 0 0 0 BT /Overclock 10 Tf		

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37	2K1524 Regulation mechanism for signal propagation along the plasma membrane : a single-molecule tracking study(Cell biology 2,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S93-S94.	0.1	0
38	Hierarchical mesoscale domain organization of the plasma membrane. Trends in Biochemical Sciences, 2011, 36, 604-615.	7.5	299
39	Full characterization of GPCR monomer-dimer dynamic equilibrium by single molecule imaging. Journal of Cell Biology, 2011, 192, 463-480.	5.2	310
40	Hierarchical organization of the plasma membrane: Investigations by single-molecule tracking vs. fluorescence correlation spectroscopy. FEBS Letters, 2010, 584, 1814-1823.	2.8	157
41	Membrane molecules mobile even after chemical fixation. Nature Methods, 2010, 7, 865-866.	19.0	287
42	Both MHC Class II and its GPI-Anchored Form Undergo Hop Diffusion as Observed by Single-Molecule Tracking. Biophysical Journal, 2008, 95, 435-450.	0.5	109
43	Mechanism for signal transduction in the induced-raft domains as revealed by single-molecule tracking. Trends in Glycoscience and Glycotechnology, 2008, 20, 341-351.	0.1	2
44	Induced Raft Domains Working as a Platform for Digital Signal Transduction. Seibutsu Butsuri, 2008, 48, 320-324.	0.1	0
45	GPI-anchored receptor clusters transiently recruit Lyn and GÎ± for temporary cluster immobilization and Lyn activation: single-molecule tracking study 1. Journal of Cell Biology, 2007, 177, 717-730.	5.2	292
46	Dynamic recruitment of phospholipase CÎ³ at transiently immobilized GPI-anchored receptor clusters induces IP3-Ca2+ signaling: single-molecule tracking study 2. Journal of Cell Biology, 2007, 177, 731-742.	5.2	206
47	2P241 Microdomains and compartments in the smooth-muscle cell membrane : single-molecule tracking of phospholipids(Cell biological problems-adhesion, motility, cytoskeleton, signaling, and) Tj ETQq1 1 0.7843 14 rgBT /Overlo		
48	Rapid Hop Diffusion of a G-Protein-Coupled Receptor in the Plasma Membrane as Revealed by Single-Molecule Techniques. Biophysical Journal, 2005, 88, 3659-3680.	0.5	247
49	Ultrafine Membrane Compartments for Molecular Diffusion as Revealed by Single Molecule Techniques. Biophysical Journal, 2004, 86, 4075-4093.	0.5	400