## Rinshi S Kasai

List of Publications by Year in descending order

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DINCHI S KACAL

#	Article	IF	CITATIONS
1	Functional Reconstitution of Dopamine D2 Receptor into a Supported Model Membrane in a Nanometric Confinement. Advanced Biology, 2021, 5, e2100636.	2.5	1
2	Reconstitution of Membrane Proteins into a Model Biological Membrane. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 1340-1343.	0.2	0
3	Defining raft domains in the plasma membrane. Traffic, 2020, 21, 106-137.	2.7	94
4	Synergetic Roles of Formyl Peptide Receptor 1 Oligomerization in Ligand-Induced Signal Transduction. ACS Chemical Biology, 2020, 15, 2577-2587.	3.4	11
5	A synthetic ion channel with anisotropic ligand response. Nature Communications, 2020, 11, 2924.	12.8	36
6	High-speed single-molecule imaging reveals signal transduction by induced transbilayer raft phases. Journal of Cell Biology, 2020, 219, .	5.2	35
7	Dynamic Regulation of AMPA Receptor and Stargazin Concentration in the Spine in the Time Scale of 0.1 S to Several 100 S; Unraveling by Single-Molecule Tracking. Biophysical Journal, 2019, 116, 305a.	0.5	0
8	Transient Hetero-Dimerization of Opioid Receptors (GPCRS) Revealed by Single-Molecule Tracking. Biophysical Journal, 2018, 114, 202a.	0.5	1
9	Super-long single-molecule tracking reveals dynamic-anchorage-induced integrin function. Nature Chemical Biology, 2018, 14, 497-506.	8.0	93
10	The Class-A GPCR Dopamine D2 Receptor Forms Transient Dimers Stabilized by Agonists: Detection by Single-Molecule Tracking. Cell Biochemistry and Biophysics, 2018, 76, 29-37.	1.8	67
11	Dynamic Meso-Scale Anchorage of GPI-Anchored Receptors in the Plasma Membrane: Prion Protein vs. Thy1. Cell Biochemistry and Biophysics, 2017, 75, 399-412.	1.8	5
12	A novel sphingomyelin/cholesterol domainâ€specific probe reveals the dynamics of the membrane domains during virus release and in Niemannâ€Pick type C. FASEB Journal, 2017, 31, 1301-1322.	0.5	34
13	Ultrafast Diffusion of a Fluorescent Cholesterol Analog in Compartmentalized Plasma Membranes. Traffic, 2014, 15, 583-612.	2.7	77
14	Single-molecule imaging revealed dynamic GPCR dimerization. Current Opinion in Cell Biology, 2014, 27, 78-86.	5.4	132
15	Tracking single molecules at work in living cells. Nature Chemical Biology, 2014, 10, 524-532.	8.0	290
16	Single-Molecule Imaging of Receptor–Receptor Interactions. Methods in Cell Biology, 2013, 117, 373-390.	1.1	20
17	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. Journal of Cell Biology, 2013, 202, 967-983.	5.2	48
18	ABCA1 dimer–monomer interconversion during HDL generation revealed by single-molecule imaging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5034-5039.	7.1	89

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19	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. Journal of General Physiology, 2013, 142, 1424OIA31.	1.9	0
20	3PT172 Dynamics of normal prion protein, a raft-associated GPI-anchored molecule, in the live neuronal plasma membrane(The 50th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2012, 52, S170-S171.	0.1	0
21	Dynamic Organizing Principles of the Plasma Membrane that Regulate Signal Transduction: Commemorating the Fortieth Anniversary of Singer and Nicolson's Fluid-Mosaic Model. Annual Review of Cell and Developmental Biology, 2012, 28, 215-250.	9.4	394
22	Dynamic Monomer-Dimer Equilibrium of a Prototypical GPCR, Beta2 Adrenergic Receptor: A Single Molecule Imaging Study. Biophysical Journal, 2012, 102, 239a.	0.5	0
23	Membrane mechanisms for signal transduction: The coupling of the meso-scale raft domains to membrane-skeleton-induced compartments and dynamic protein complexes. Seminars in Cell and Developmental Biology, 2012, 23, 126-144.	5.0	127
24	Transient GPI-anchored protein homodimers are units for raft organization and function. Nature Chemical Biology, 2012, 8, 774-783.	8.0	234
25	Raf Inhibitors Target Ras Spatiotemporal Dynamics. Current Biology, 2012, 22, 945-955.	3.9	65
26	2K1436 Dynamic monomer-dimer equilibrium of a prototypical GPCR, beta2 adrenergic receptor : a single molecule imaging study(Cell biology 2,The 48th Annual Meeting of the Biophysical Society of) Tj ETQq0 0	0 r <b>g:B</b> T /Ov	enbock 10 Tf
27	Hierarchical mesoscale domain organization of the plasma membrane. Trends in Biochemical Sciences, 2011, 36, 604-615.	7.5	299
28	Full characterization of GPCR monomer–dimer dynamic equilibrium by single molecule imaging. Journal of Cell Biology, 2011, 192, 463-480.	5.2	310
29	2P228 Dimer-monomer equilibrium of a GPCR : direct dimer detection by single-molecule bimolecular fluorescence complementation (SM-BiFC)(The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S122-S123.	0.1	0
30	1TA3-09 First determination of the dimer dissociation constant of GPCR in the living cell membrane by single-molecule imaging(The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S29.	0.1	0
31	2S2-2 Three dimensional interplay of the membrane skeleton with the plasma membrane as visualized by freeze-etch electron tomography(2S2 Interactions between the cell membrane and the actin) Tj ETQq1 1 0.7843	14 rgBT /C	verlock 10
32	1P-191 Dimers of formyl peptide receptor, a GPCR, exist under physiological conditions : a study using single-molecule tracking(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S51.	0.1	0
33	3P206 Single-molecule tracking revealed the complete kinetics of a GPCR monomer-dimer dynamic equilibrium(Cell biological problems-adhesion, mobility, cytoskeleton, signaling, and membrane.) Tj ETQq1 1 0.78	4 <b>3∂11</b> 4 rgB⊺	「∕Øverlock ]
34	S01H1 Direct determination of monomer-dimer dynamic equilibrium of a GPCR by a single fluorescent-molecule tracking(Systems Biology of Intracellular Signaling as Studied by) Tj ETQq0 0 0 rgBT /Overlo	ockobo Tf5	0@37 Td (Si
35	Three-dimensional reconstruction of the membrane skeleton at the plasma membrane interface by electron tomography. Journal of Cell Biology, 2006, 174, 851-862.	5.2	343
36	Fluorescence Imaging for Monitoring the Colocalization of Two Single Molecules in Living Cells. Biophysical Journal, 2005, 88, 2126-2136.	0.5	154

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37	Paradigm Shift of the Plasma Membrane Concept from the Two-Dimensional Continuum Fluid to the Partitioned Fluid: High-Speed Single-Molecule Tracking of Membrane Molecules. Annual Review of Biophysics and Biomolecular Structure, 2005, 34, 351-378.	18.3	1,010
38	Accumulation of anchored proteins forms membrane diffusion barriers during neuronal polarization. Nature Cell Biology, 2003, 5, 626-632.	10.3	324