

Rinshi S Kasai

List of Publications by Year in descending order

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38
papers

4,302
citations

331259

21
h-index

525886

27
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50
all docs

50
docs citations

50
times ranked

4864
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Reconstitution of Dopamine D2 Receptor into a Supported Model Membrane in a Nanometric Confinement. <i>Advanced Biology</i> , 2021, 5, e2100636.	1.4	1
2	Reconstitution of Membrane Proteins into a Model Biological Membrane. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2021, 141, 1340-1343.	0.1	0
3	Defining raft domains in the plasma membrane. <i>Traffic</i> , 2020, 21, 106-137.	1.3	94
4	Synergetic Roles of Formyl Peptide Receptor 1 Oligomerization in Ligand-Induced Signal Transduction. <i>ACS Chemical Biology</i> , 2020, 15, 2577-2587.	1.6	11
5	A synthetic ion channel with anisotropic ligand response. <i>Nature Communications</i> , 2020, 11, 2924.	5.8	36
6	High-speed single-molecule imaging reveals signal transduction by induced transbilayer raft phases. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	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. <i>Biophysical Journal</i> , 2019, 116, 305a.	0.2	0
8	Transient Hetero-Dimerization of Opioid Receptors (GPCRS) Revealed by Single-Molecule Tracking. <i>Biophysical Journal</i> , 2018, 114, 202a.	0.2	1
9	Super-long single-molecule tracking reveals dynamic-anchorage-induced integrin function. <i>Nature Chemical Biology</i> , 2018, 14, 497-506.	3.9	93
10	The Class-A GPCR Dopamine D2 Receptor Forms Transient Dimers Stabilized by Agonists: Detection by Single-Molecule Tracking. <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 29-37.	0.9	67
11	Dynamic Meso-Scale Anchorage of GPI-Anchored Receptors in the Plasma Membrane: Prion Protein vs. Thy1. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 399-412.	0.9	5
12	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
13	Ultrafast Diffusion of a Fluorescent Cholesterol Analog in Compartmentalized Plasma Membranes. <i>Traffic</i> , 2014, 15, 583-612.	1.3	77
14	Single-molecule imaging revealed dynamic GPCR dimerization. <i>Current Opinion in Cell Biology</i> , 2014, 27, 78-86.	2.6	132
15	Tracking single molecules at work in living cells. <i>Nature Chemical Biology</i> , 2014, 10, 524-532.	3.9	290
16	Single-Molecule Imaging of Receptor-Receptor Interactions. <i>Methods in Cell Biology</i> , 2013, 117, 373-390.	0.5	20
17	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. <i>Journal of Cell Biology</i> , 2013, 202, 967-983.	2.3	48
18	ABCA1 dimer-monomer interconversion during HDL generation revealed by single-molecule imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5034-5039.	3.3	89

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19	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. <i>Journal of General Physiology</i> , 2013, 142, 1424-1431.	0.9	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). <i>Seibutsu Butsuri</i> , 2012, 52, S170-S171.	0.0	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. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 215-250.	4.0	394
22	Dynamic Monomer-Dimer Equilibrium of a Prototypical GPCR, Beta2 Adrenergic Receptor: A Single Molecule Imaging Study. <i>Biophysical Journal</i> , 2012, 102, 239a.	0.2	0
23	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.	2.3	127
24	Transient GPI-anchored protein homodimers are units for raft organization and function. <i>Nature Chemical Biology</i> , 2012, 8, 774-783.	3.9	234
25	Raf Inhibitors Target Ras Spatiotemporal Dynamics. <i>Current Biology</i> , 2012, 22, 945-955.	1.8	65
26	2K1436 Dynamic monomer-dimer equilibrium of a prototypical GPCR, beta2 adrenergic receptor : a single molecule imaging study (The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010, 50, S122-S123.	0.0	0
27	Hierarchical mesoscale domain organization of the plasma membrane. <i>Trends in Biochemical Sciences</i> , 2011, 36, 604-615.	3.7	299
28	Full characterization of GPCR monomer-dimer dynamic equilibrium by single molecule imaging. <i>Journal of Cell Biology</i> , 2011, 192, 463-480.	2.3	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). <i>Seibutsu Butsuri</i> , 2010, 50, S122-S123.	0.0	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). <i>Seibutsu Butsuri</i> , 2009, 49, S29.	0.0	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). <i>Seibutsu Butsuri</i> , 2008, 48, S8.	0.0	0
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). <i>Seibutsu Butsuri</i> , 2008, 48, S51.	0.0	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.) <i>Seibutsu Butsuri</i> , 2008, 48, S8.	0.0	0
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). <i>Seibutsu Butsuri</i> , 2008, 48, S51.	0.0	0
35	Three-dimensional reconstruction of the membrane skeleton at the plasma membrane interface by electron tomography. <i>Journal of Cell Biology</i> , 2006, 174, 851-862.	2.3	343
36	Fluorescence Imaging for Monitoring the Colocalization of Two Single Molecules in Living Cells. <i>Biophysical Journal</i> , 2005, 88, 2126-2136.	0.2	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. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2005, 34, 351-378.	18.3	1,010
38	Accumulation of anchored proteins forms membrane diffusion barriers during neuronal polarization. <i>Nature Cell Biology</i> , 2003, 5, 626-632.	4.6	324