

Jean-Louis BanÃres

List of Publications by Year in descending order

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71
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3,633
citations

126907

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75
all docs

75
docs citations

75
times ranked

3605
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of the dynamic interplay between lipids and membrane proteins by hydrostatic pressure. <i>Nature Communications</i> , 2022, 13, 1780.	12.8	12
2	Structural Insights into the Intrinsically Disordered GPCR C-Terminal Region, Major Actor in Arrestin-GPCR Interaction. <i>Biomolecules</i> , 2022, 12, 617.	4.0	7
3	Design and characterization of a triazole-based growth hormone secretagogue receptor modulator inhibiting the glucoregulatory and feeding actions of ghrelin. <i>Biochemical Pharmacology</i> , 2022, 202, 115114.	4.4	0
4	Fluorescent PEHydroxyphosphole for Peptide Labeling through PEN Bond Formation. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
5	The ups and downs of growth hormone secretagogue receptor signaling. <i>FEBS Journal</i> , 2021, 288, 7213-7229.	4.7	19
6	G proteinEcoupled receptors can control the Hippo/YAP pathway through Gq signaling. <i>FASEB Journal</i> , 2021, 35, e21668.	0.5	14
7	Allosteric modulation of ghrelin receptor signaling by lipids. <i>Nature Communications</i> , 2021, 12, 3938.	12.8	26
8	Agonists and allosteric modulators promote signaling from different metabotropic glutamate receptor 5 conformations. <i>Cell Reports</i> , 2021, 36, 109648.	6.4	32
9	LEAP2 Impairs the Capability of the Growth Hormone Secretagogue Receptor to Regulate the Dopamine 2 Receptor Signaling. <i>Frontiers in Pharmacology</i> , 2021, 12, 712437.	3.5	13
10	Concerted conformational dynamics and water movements in the ghrelin G protein-coupled receptor. <i>ELife</i> , 2021, 10, .	6.0	5
11	Structural basis of human ghrelin receptor signaling by ghrelin and the synthetic agonist ibutamoren. <i>Nature Communications</i> , 2021, 12, 6410.	12.8	27
12	Development of Nonpeptidic Inverse Agonists of the Ghrelin Receptor (GHSR) Based on the 1,2,4-Triazole Scaffold. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10796-10815.	6.4	10
13	Biotinylated non-ionic amphipols for GPCR ligands screening. <i>Methods</i> , 2020, 180, 69-78.	3.8	6
14	IDPs and their complexes in GPCR and nuclear receptor signaling. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 174, 105-155.	1.7	6
15	Structure of the agonist 12EHHT in its BLT2 receptor-bound state. <i>Scientific Reports</i> , 2020, 10, 2630.	3.3	8
16	Structure and dynamics of G protein-coupled receptorEbound ghrelin reveal the critical role of the octanoyl chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17525-17530.	7.1	53
17	Development of a novel fluorescent ligand of growth hormone secretagogue receptor based on the N-Terminal Leap2 region. <i>Molecular and Cellular Endocrinology</i> , 2019, 498, 110573.	3.2	24
18	NMR analysis of GPCR conformational landscapes and dynamics. <i>Molecular and Cellular Endocrinology</i> , 2019, 484, 69-77.	3.2	30

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19	N-Terminal Liver-Expressed Antimicrobial Peptide 2 (LEAP2) Region Exhibits Inverse Agonist Activity toward the Ghrelin Receptor. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 965-973.	6.4	103
20	GHSR-D2R heteromerization modulates dopamine signaling through an effect on G protein conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4501-4506.	7.1	55
21	Conditional and Reversible Activation of Class A and B G Protein-Coupled Receptors Using Tethered Pharmacology. <i>ACS Central Science</i> , 2018, 4, 166-179.	11.3	27
22	Illuminating the Energy Landscape of GPCRs: The Key Contribution of Solution-State NMR Associated with <i>Escherichia coli</i> as an Expression Host. <i>Biochemistry</i> , 2018, 57, 2297-2307.	2.5	19
23	Direct coupling of detergent purified human mGlu5 receptor to the heterotrimeric G proteins Gq and Gs. <i>Scientific Reports</i> , 2018, 8, 4407.	3.3	18
24	NMR Spectroscopy for the Characterization of GPCR Energy Landscapes. <i>Topics in Medicinal Chemistry</i> , 2017, , 27-52.	0.8	2
25	New ligands of the ghrelin receptor based on the 1,2,4-triazole scaffold by introduction of a second chiral center. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2408-2412.	2.2	6
26	Cardioprotective Angiotensin-(1 ^{–7}) Peptide Acts as a Natural-Biased Ligand at the Angiotensin II Type 1 Receptor. <i>Hypertension</i> , 2016, 68, 1365-1374.	2.7	87
27	Functional Modulation of a G Protein-Coupled Receptor Conformational Landscape in a Lipid Bilayer. <i>Journal of the American Chemical Society</i> , 2016, 138, 11170-11175.	13.7	78
28	The novel nonapeptide acein targets angiotensin converting enzyme in the brain and induces dopamine release. <i>British Journal of Pharmacology</i> , 2016, 173, 1314-1328.	5.4	9
29	Detergent-free Isolation of Functional G Protein-Coupled Receptors into Nanometric Lipid Particles. <i>Biochemistry</i> , 2016, 55, 38-48.	2.5	85
30	Agonism, Antagonism, and Inverse Agonism Bias at the Ghrelin Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 27021-27039.	3.4	76
31	Ghrelin receptor conformational dynamics regulate the transition from a preassembled to an active receptor:Gq complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1601-1606.	7.1	69
32	Recombinant Human Melatonin Receptor MT1 Isolated in Mixed Detergents Shows Pharmacology Similar to That in Mammalian Cell Membranes. <i>PLoS ONE</i> , 2014, 9, e100616.	2.5	21
33	Amphipols in G Protein-Coupled Receptor Pharmacology: What Are They Good For?. <i>Journal of Membrane Biology</i> , 2014, 247, 853-860.	2.1	12
34	Bacterial Expression and Stabilization of GPCRs. , 2014, , 71-86.		0
35	Heterodimerization with Its Splice Variant Blocks the Ghrelin Receptor 1a in a Non-signaling Conformation. <i>Journal of Biological Chemistry</i> , 2013, 288, 24656-24665.	3.4	48
36	How ligands and signalling proteins affect G-protein-coupled receptors' conformational landscape. <i>Biochemical Society Transactions</i> , 2013, 41, 144-147.	3.4	10

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37	Rapid sensing of circulating ghrelin by hypothalamic appetite-modifying neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1512-1517.	7.1	258
38	Distinct roles of metabotropic glutamate receptor dimerization in agonist activation and G-protein coupling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16342-16347.	7.1	152
39	Structural insights into biased G protein-coupled receptor signaling revealed by fluorescence spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6733-6738.	7.1	173
40	Nonionic Homopolymeric Amphipols: Application to Membrane Protein Folding, Cell-Free Synthesis, and Solution Nuclear Magnetic Resonance. Biochemistry, 2012, 51, 1416-1430.	2.5	86
41	High Constitutive Activity Is an Intrinsic Feature of Ghrelin Receptor Protein. Journal of Biological Chemistry, 2012, 287, 3630-3641.	3.4	132
42	Ligands and signaling proteins govern the conformational landscape explored by a G protein-coupled receptor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8304-8309.	7.1	95
43	New advances in production and functional folding of G-protein-coupled receptors. Trends in Biotechnology, 2011, 29, 314-322.	9.3	73
44	Electrostatically-driven fast association and perdeuteration allow detection of transferred cross-relaxation for G protein-coupled receptor ligands with equilibrium dissociation constants in the high-to-low nanomolar range. Journal of Biomolecular NMR, 2011, 50, 191-195.	2.8	21
45	Homogeneous time-resolved fluorescence-based assay to screen for ligands targeting the growth hormone secretagogue receptor type 1a. Analytical Biochemistry, 2011, 408, 253-262.	2.4	75
46	G Protein Activation by Serotonin Type 4 Receptor Dimers. Journal of Biological Chemistry, 2011, 286, 9985-9997.	3.4	69
47	Leukotriene BLT2 Receptor Monomers Activate the Gi2 GTP-binding Protein More Efficiently than Dimers. Journal of Biological Chemistry, 2010, 285, 6337-6347.	3.4	51
48	Structure of a GPCR Ligand in Its Receptor-Bound State: Leukotriene B4 Adopts a Highly Constrained Conformation When Associated to Human BLT2. Journal of the American Chemical Society, 2010, 132, 9049-9057.	13.7	66
49	Activation of the Ghrelin Receptor is Described by a Privileged Collective Motion: A Model for Constitutive and Agonist-induced Activation of a Sub-class A G-Protein Coupled Receptor (GPCR). Journal of Molecular Biology, 2010, 395, 769-784.	4.2	32
50	Mammalian Membrane Receptors Expression as Inclusion Bodies in Escherichia coli. Methods in Molecular Biology, 2010, 601, 39-48.	0.9	11
51	Inhibition of Heterotrimeric G Protein Signaling by a Small Molecule Acting on G $\beta\gamma$ Subunit. Journal of Biological Chemistry, 2009, 284, 29136-29145.	3.4	67
52	Spermidinyl-CoA-based HAT inhibitors block DNA repair and provide cancer-specific chemo- and radiosensitization. Cell Cycle, 2009, 8, 2779-2788.	2.6	44
53	Engineering a G protein-coupled receptor for structural studies: Stabilization of the BLT1 receptor ground state. Protein Science, 2009, 18, NA-NA.	7.6	13
54	Removing the invariant salt bridge of parvalbumin increases flexibility in the AB-loop structure. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 733-743.	2.5	4

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55	Î²-arrestin1 phosphorylation by GRK5 regulates G protein-independent 5-HT4 receptor signalling. EMBO Journal, 2009, 28, 2706-2718.	7.8	62
56	Amphipol-Assisted in Vitro Folding of G Protein-Coupled Receptors. Biochemistry, 2009, 48, 6516-6521.	2.5	93
57	G Protein Activation by the Leukotriene B4 Receptor Dimer. Journal of Biological Chemistry, 2008, 283, 21084-21092.	3.4	42
58	New tensio-active molecules stabilize a human G protein-coupled receptor in solution. FEBS Letters, 2007, 581, 1944-1950.	2.8	11
59	Serine Phosphorylation-Dependent Coregulation of Topoisomerase I by the p14ARF Tumor Suppressor. Biochemistry, 2007, 46, 14325-14334.	2.5	11
60	Asymmetric conformational changes in a GPCR dimer controlled by G-proteins. EMBO Journal, 2006, 25, 5693-5702.	7.8	133
61	Molecular Characterization of a Purified 5-HT4 Receptor. Journal of Biological Chemistry, 2005, 280, 20253-20260.	3.4	133
62	Cooperative Conformational Changes in a G-protein-coupled Receptor Dimer, the Leukotriene B4 Receptor BLT1. Journal of Biological Chemistry, 2004, 279, 49664-49670.	3.4	67
63	Nonpeptide RGD Antagonists: A Novel Class of Mimetics, the 5,8-Disubstituted 1-Azabicyclo[5.2.0]nonan-2-one Lactam.. ChemInform, 2003, 34, no.	0.0	0
64	Nonpeptide RGD antagonists: A novel class of mimetics, the 5,8-disubstituted 1-azabicyclo[5.2.0]nonan-2-one lactam. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1561-1564.	2.2	19
65	Structure-based Analysis of GPCR Function: Conformational Adaptation of both Agonist and Receptor upon Leukotriene B4 Binding to Recombinant BLT1. Journal of Molecular Biology, 2003, 329, 801-814.	4.2	148
66	Structure-based Analysis of GPCR Function: Evidence for a Novel Pentameric Assembly between the Dimeric Leukotriene B4 Receptor BLT1 and the G-protein. Journal of Molecular Biology, 2003, 329, 815-829.	4.2	265
67	Photochemical Rearrangement of Oxaziridines and Nitrones in the Hexahydroindole Series: A Convenient Synthetic Route to 1-Azabicyclo[5.2.0]nonan-2-ones as Novel RGD Mimetics. Organic Letters, 2001, 3, 3067-3070.	4.6	29
68	A Minimized Human Integrin Î±5Î²1 That Retains Ligand Recognition. Journal of Biological Chemistry, 2000, 275, 5888-5903.	3.4	44
69	Synthesis and Glutathione S-Transferase Structure-Affinity Relationships of Nonpeptide and Peptidase-Stable Glutathione Analogues. Journal of Medicinal Chemistry, 1998, 41, 2278-2288.	6.4	13
70	The Cation-binding Domain from the Î± Subunit of Integrin Î±5Î²1 Is a Minimal Domain for Fibronectin Recognition. Journal of Biological Chemistry, 1998, 273, 24744-24753.	3.4	34
71	The N tails of histones H3 and H4 adopt a highly structured conformation in the nucleosome 1 Edited by T. Richmond. Journal of Molecular Biology, 1997, 273, 503-508.	4.2	78