

Sophie J Bradley

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

755
citations

516710

16
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting the Type 5 Metabotropic Glutamate Receptor: A Potential Therapeutic Strategy for Neurodegenerative Diseases?. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	9
2	The M ₁ muscarinic receptor is present in situ as a ligand-regulated mixture of monomers and oligomeric complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
3	Inhibition of neuroinflammatory nitric oxide signaling suppresses glycation and prevents neuronal dysfunction in mouse prion disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
4	From structure to clinic: Design of a muscarinic M1 receptor agonist with the potential to treat Alzheimer's disease. <i>Cell</i> , 2021, 184, 5886-5901.e22.	28.9	44
5	Biased M1 muscarinic receptor mutant mice show accelerated progression of prion neurodegenerative disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
6	Biased M1-muscarinic-receptor-mutant mice inform the design of next-generation drugs. <i>Nature Chemical Biology</i> , 2020, 16, 240-249.	8.0	36
7	Editorial for <i>Advances in G Protein-Coupled Receptor Signal Transduction Special Issue</i> . <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 169-170.	4.9	0
8	Fine Tuning Muscarinic Acetylcholine Receptor Signaling Through Allosterity and Bias. <i>Frontiers in Pharmacology</i> , 2020, 11, 606656.	3.5	30
9	M1 muscarinic acetylcholine receptors: A therapeutic strategy for symptomatic and disease-modifying effects in Alzheimer's disease?. <i>Advances in Pharmacology</i> , 2020, 88, 277-310.	2.0	32
10	Call for Papers: <i>Advances in G Protein Coupled Receptor Signal Transduction</i> . <i>ACS Pharmacology and Translational Science</i> , 2019, 2, 147-147.	4.9	0
11	Chemogenetics defines receptor-mediated functions of short chain free fatty acids. <i>Nature Chemical Biology</i> , 2019, 15, 489-498.	8.0	52
12	Bitopic Binding Mode of an M ₁ Muscarinic Acetylcholine Receptor Agonist Associated with Adverse Clinical Trial Outcomes. <i>Molecular Pharmacology</i> , 2018, 93, 645-656.	2.3	25
13	The use of chemogenetic approaches to study the physiological roles of muscarinic acetylcholine receptors in the central nervous system. <i>Neuropharmacology</i> , 2018, 136, 421-426.	4.1	13
14	DREADD Agonist 21 Is an Effective Agonist for Muscarinic-Based DREADDs <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Pharmacology and Translational Science</i> , 2018, 1, 61-72.	4.9	143
15	Muscarinic acetylcholine receptors in the central nervous system. <i>Neuropharmacology</i> , 2018, 136, 361.	4.1	0
16	Alterations in neuronal metabolism contribute to the pathogenesis of prion disease. <i>Cell Death and Differentiation</i> , 2018, 25, 1408-1425.	11.2	24
17	Mapping physiological G protein-coupled receptor signaling pathways reveals a role for receptor phosphorylation in airway contraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4524-4529.	7.1	46
18	An Antibody Biosensor Establishes the Activation of the M1 Muscarinic Acetylcholine Receptor during Learning and Memory. <i>Journal of Biological Chemistry</i> , 2016, 291, 8862-8875.	3.4	34

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19	Design of Next-Generation G Protein-Coupled Receptor Drugs: Linking Novel Pharmacology and In Vivo Animal Models. <i>Annual Review of Pharmacology and Toxicology</i> , 2016, 56, 535-559.	9.4	26
20	M1 muscarinic allosteric modulators slow prion neurodegeneration and restore memory loss. <i>Journal of Clinical Investigation</i> , 2016, 127, 487-499.	8.2	56
21	Employing novel animal models in the design of clinically efficacious GPCR ligands. <i>Current Opinion in Cell Biology</i> , 2014, 27, 117-125.	5.4	7
22	G protein-coupled receptor signalling in astrocytes in health and disease: A focus on metabotropic glutamate receptors. <i>Biochemical Pharmacology</i> , 2012, 84, 249-259.	4.4	51
23	Quantitative Analysis Reveals Multiple Mechanisms of Allosteric Modulation of the mGlu5 Receptor in Rat Astroglia. <i>Molecular Pharmacology</i> , 2011, 79, 874-885.	2.3	54
24	Effects of Positive Allosteric Modulators on Single-Cell Oscillatory Ca ²⁺ Signaling Initiated by the Type 5 Metabotropic Glutamate Receptor. <i>Molecular Pharmacology</i> , 2009, 76, 1302-1313.	2.3	24