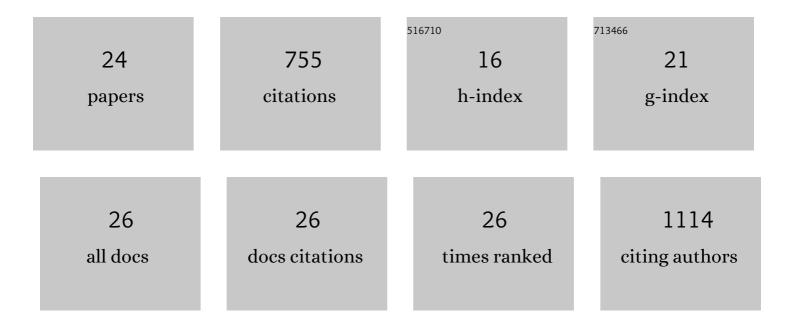
## Sophie J Bradley

List of Publications by Year in descending order

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

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