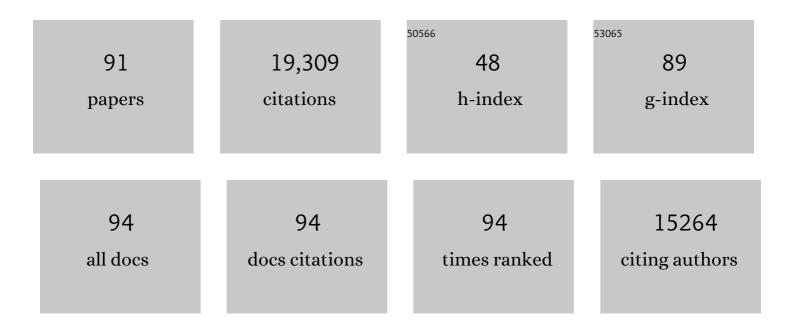
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7996068/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Integrative RNA-omics Discovers <i>GNAS</i> Alternative Splicing as a Phenotypic Driver of Splicing Factor–Mutant Neoplasms. Cancer Discovery, 2022, 12, 836-855. | 7.7 | 19 |
| 2 | Binding pathway determines norepinephrine selectivity for the human β1AR over β2AR. Cell Research, 2021, 31, 569-579. | 5.7 | 65 |
| 3 | Delineating the conformational landscape of the adenosine A2A receptor during G protein coupling. Cell, 2021, 184, 1884-1894.e14. | 13.5 | 97 |
| 4 | Molecular Mechanism of GPCRâ€mediated ERK Pathway in Cancer. FASEB Journal, 2021, 35, . | 0.2 | 1 |
| 5 | A photoswitchable GPCR-based opsin for presynaptic inhibition. Neuron, 2021, 109, 1791-1809.e11. | 3.8 | 62 |
| 6 | Leveraging nonstructural data to predict structures and affinities of protein–ligand complexes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 17 |
| 7 | An allosteric modulator binds to a conformational hub in the β2 adrenergic receptor. Nature Chemical Biology, 2020, 16, 749-755. | 3.9 | 51 |
| 8 | Structure of a D2 dopamine receptor–G-protein complex in a lipid membrane. Nature, 2020, 584, 125-129. | 13.7 | 128 |
| 9 | Structure and selectivity engineering of the M ₁ muscarinic receptor toxin complex. Science, 2020, 369, 161-167. | 6.0 | 35 |
| 10 | Structure of an endosomal signaling GPCR–G protein–β-arrestin megacomplex. Nature Structural and Molecular Biology, 2019, 26, 1123-1131. | 3.6 | 139 |
| 11 | Mechanistic insights into allosteric regulation of the A2A adenosine G protein-coupled receptor by physiological cations. Nature Communications, 2018, 9, 1372. | 5.8 | 126 |
| 12 | Structure-based discovery of selective positive allosteric modulators of antagonists for the M ₂ muscarinic acetylcholine receptor. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2419-E2428. | 3.3 | 57 |
| 13 | Structure-guided development of selective M3 muscarinic acetylcholine receptor antagonists. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12046-12050. | 3.3 | 64 |
| 14 | Structural insights into binding specificity, efficacy and bias of a β2AR partial agonist. Nature Chemical Biology, 2018, 14, 1059-1066. | 3.9 | 155 |
| 15 | Rules of Engagement: GPCRs and G Proteins. ACS Pharmacology and Translational Science, 2018, 1, 73-83. | 2.5 | 93 |
| 16 | Functional dissection of the N-terminal extracellular domains of Frizzled 6 reveals their roles for receptor localization and Dishevelled recruitment. Journal of Biological Chemistry, 2018, 293, 17875-17887. | 1.6 | 18 |
| 17 | Measuring ligand efficacy at the mu-opioid receptor using a conformational biosensor. ELife, 2018, 7, . | 2.8 | 40 |
| 18 | Inhibition of cocaine selfâ€administration by a novel mutant cocaine esterase (ET CocE) in rats. FASEB Journal, 2018, 32, 550.10. | 0.2 | 0 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 19 | In Situ Reconstitution of the Adenosine A2A Receptor in Spontaneously Formed Synthetic Liposomes. Journal of the American Chemical Society, 2017, 139, 3607-3610. | 6.6 | 34 |
| 20 | Structure-Based Design and Discovery of New M ₂ Receptor Agonists. Journal of Medicinal Chemistry, 2017, 60, 9239-9250. | 2.9 | 19 |
| 21 | ER/K linked GPCR-G protein fusions systematically modulate second messenger response in cells. Scientific Reports, 2017, 7, 7749. | 1.6 | 22 |
| 22 | Genetic evidence that β-arrestins are dispensable for the initiation of β ₂ -adrenergic receptor signaling to ERK. Science Signaling, 2017, 10, . | 1.6 | 155 |
| 23 | Purification of family B G protein-coupled receptors using nanodiscs: Application to human glucagon-like peptide-1 receptor. PLoS ONE, 2017, 12, e0179568. | 1.1 | 23 |
| 24 | The Molecular Pharmacology of G Protein Signaling Then and Now: A Tribute to Alfred G. Gilman. Molecular Pharmacology, 2016, 89, 585-592. | 1.0 | 11 |
| 25 | GPCR-G Protein-β-Arrestin Super-Complex Mediates Sustained G Protein Signaling. Cell, 2016, 166, 907-919. | 13.5 | 443 |
| 26 | Mechanistic insights into GPCR–G protein interactions. Current Opinion in Structural Biology, 2016, 41, 247-254. | 2.6 | 112 |
| 27 | Allosteric coupling from G protein to the agonist-binding pocket in GPCRs. Nature, 2016, 535, 182-186. | 13.7 | 235 |
| 28 | Structural basis for nucleotide exchange in heterotrimeric G proteins. Science, 2015, 348, 1361-1365. | 6.0 | 250 |
| 29 | Pharmacological chaperone for α-crystallin partially restores transparency in cataract models. Science, 2015, 350, 674-677. | 6.0 | 195 |
| 30 | Structural Basis for Allosteric Enhancement of Agonist Affinity by G Proteins. FASEB Journal, 2015, 29, 935.5. | 0.2 | 0 |
| 31 | Calcium-Dependent Ligand Binding and G-protein Signaling of Family B GPCR Parathyroid Hormone 1 Receptor Purified in Nanodiscs. ACS Chemical Biology, 2013, 8, 617-625. | 1.6 | 38 |
| 32 | Conformational biosensors reveal GPCR signalling from endosomes. Nature, 2013, 495, 534-538. | 13.7 | 713 |
| 33 | Identification of GPCR-Interacting Cytosolic Proteins Using HDL Particles and Mass Spectrometry-Based Proteomic Approach. PLoS ONE, 2013, 8, e54942. | 1.1 | 23 |
| 34 | Detection of G Protein-selective G Protein-coupled Receptor (GPCR) Conformations in Live Cells. Journal of Biological Chemistry, 2013, 288, 17167-17178. | 1.6 | 60 |
| 35 | Long-Lasting Effects of a PEGylated Mutant Cocaine Esterase (CocE) on the Reinforcing and Discriminative Stimulus Effects of Cocaine in Rats. Neuropsychopharmacology, 2012, 37, 1092-1103. | 2.8 | 21 |
| 36 | Repeated Administration of a Mutant Cocaine Esterase: Effects on Plasma Cocaine Levels, Cocaine-Induced Cardiovascular Activity, and Immune Responses in Rhesus Monkeys. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 205-213. | 1.3 | 14 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Bacterial cocaine esterase: a protein-based therapy for cocaine overdose and addiction. Future Medicinal Chemistry, 2012, 4, 137-150. | 1.1 | 19 |
| 38 | Crystal structure of the µ-opioid receptor bound to a morphinan antagonist. Nature, 2012, 485, 321-326. | 13.7 | 1,202 |
| 39 | Crystal structure of the β2 adrenergic receptor–Gs protein complex. Nature, 2011, 477, 549-555. | 13.7 | 2,712 |
| 40 | Structure of a nanobody-stabilized active state of the \hat{I}^22 adrenoceptor. Nature, 2011, 469, 175-180. | 13.7 | 1,523 |
| 41 | Structure and function of an irreversible agonist-β2 adrenoceptor complex. Nature, 2011, 469, 236-240. | 13.7 | 741 |
| 42 | Conformational changes in the G protein Gs induced by the β2 adrenergic receptor. Nature, 2011, 477, 611-615. | 13.7 | 339 |
| 43 | The Ability of Bacterial Cocaine Esterase to Hydrolyze Cocaine Metabolites and Their Simultaneous Quantification Using High-Performance Liquid Chromatography-Tandem Mass Spectrometry. Molecular Pharmacology, 2011, 80, 1119-1127. | 1.0 | 14 |
| 44 | Structural flexibility of the Cαs α-helical domain in the β ₂ -adrenoceptor Gs complex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16086-16091. | 3.3 | 204 |
| 45 | Amelioration of the Cardiovascular Effects of Cocaine in Rhesus Monkeys by a Long-Acting Mutant Form of Cocaine Esterase. Neuropsychopharmacology, 2011, 36, 1047-1059. | 2.8 | 17 |
| 46 | Subunit Stabilization and Polyethylene Glycolation of Cocaine Esterase Improves In Vivo Residence Time. Molecular Pharmacology, 2011, 80, 1056-1065. | 1.0 | 19 |
| 47 | PEGylation of bacterial cocaine esterase for protection against protease digestion and immunogenicity. Journal of Controlled Release, 2010, 142, 174-179. | 4.8 | 32 |
| 48 | A Thermally Stable Form of Bacterial Cocaine Esterase: A Potential Therapeutic Agent for Treatment of Cocaine Abuse. Molecular Pharmacology, 2010, 77, 593-600. | 1.0 | 31 |
| 49 | Prevention and reversal by cocaine esterase of cocaine-induced cardiovascular effects in rats. Drug and Alcohol Dependence, 2010, 106, 219-229. | 1.6 | 23 |
| 50 | A thermostable mutant of a bacterial cocaine esterase reverses acute cocaine toxicity in the rabbit isolated heart. FASEB Journal, 2010, 24, 764.2. | 0.2 | 0 |
| 51 | Proerectile Effects of Dopamine D ₂ -Like Agonists Are Mediated by the D ₃ Receptor in Rats and Mice. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 210-217. | 1.3 | 41 |
| 52 | The effect of ligand efficacy on the formation and stability of a GPCR-G protein complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9501-9506. | 3.3 | 218 |
| 53 | Cocaine Esterase Prevents Cocaine-Induced Toxicity and the Ongoing Intravenous Self-Administration of Cocaine in Rats. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 445-455. | 1.3 | 41 |
| 54 | Thermostable Variants of Cocaine Esterase for Long-Time Protection against Cocaine Toxicity. Molecular Pharmacology, 2009, 75, 318-323. | 1.0 | 81 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Purification and Functional Reconstitution of Monomeric μ-Opioid Receptors. Journal of Biological Chemistry, 2009, 284, 26732-26741. | 1.6 | 159 |
| 56 | Ligand-regulated oligomerization of β2-adrenoceptors in a model lipid bilayer. EMBO Journal, 2009, 28, 3315-3328. | 3.5 | 172 |
| 57 | A Bacterial Cocaine Esterase Protects Against Cocaine-Induced Epileptogenic Activity and Lethality. Annals of Emergency Medicine, 2009, 54, 409-420. | 0.3 | 23 |
| 58 | Effects of cocaine esterase following its repeated administration with cocaine in mice. Drug and Alcohol Dependence, 2009, 101, 202-209. | 1.6 | 19 |
| 59 | Efficient Coupling of Transducin to Monomeric Rhodopsin in a Phospholipid Bilayer. Journal of Biological Chemistry, 2008, 283, 4387-4394. | 1.6 | 233 |
| 60 | A monomeric G protein-coupled receptor isolated in a high-density lipoprotein particle efficiently activates its G protein. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7682-7687. | 3.3 | 593 |
| 61 | N-Terminal Residues Control Proteasomal Degradation of RGS2, RGS4, and RGS5 in Human Embryonic Kidney 293 Cells. Molecular Pharmacology, 2007, 71, 1040-1050. | 1.0 | 84 |
| 62 | SUMO modification regulates inactivation of the voltage-gated potassium channel Kv1.5. Proceedings of the United States of America, 2007, 104, 1805-1810. | 3.3 | 131 |
| 63 | Cocaine Esterase: Interactions with Cocaine and Immune Responses in Mice. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 926-933. | 1.3 | 41 |
| 64 | Identification of Small-Molecule Inhibitors of RGS4 Using a High-Throughput Flow Cytometry Protein Interaction Assay. Molecular Pharmacology, 2007, 71, 169-175. | 1.0 | 123 |
| 65 | Mechanism of Action and Structural Requirements of Constrained Peptide Inhibitors of RGS Proteins. Chemical Biology and Drug Design, 2006, 67, 266-274. | 1.5 | 27 |
| 66 | ARF6 activation by Gαq signaling: Gαq forms molecular complexes with ARNO and ARF6. Cellular Signalling, 2006, 18, 1988-1994. | 1.7 | 27 |
| 67 | Rapid and Robust Protection against Cocaine-Induced Lethality in Rats by the Bacterial Cocaine Esterase. Molecular Pharmacology, 2006, 70, 1885-1891. | 1.0 | 49 |
| 68 | Nitric Oxide-dependent Allosteric Inhibitory Role of a Second Nucleotide Binding Site in Soluble Guanylyl Cyclase. Journal of Biological Chemistry, 2005, 280, 11513-11519. | 1.6 | 47 |
| 69 | Human paraoxonases (PON1, PON2, and PON3) are lactonases with overlapping and distinct substrate specificities. Journal of Lipid Research, 2005, 46, 1239-1247. | 2.0 | 607 |
| 70 | Real-time Detection of Basal and Stimulated G Protein GTPase Activity Using Fluorescent GTP Analogues. Journal of Biological Chemistry, 2005, 280, 7712-7719. | 1.6 | 41 |
| 71 | Differentially Regulated Expression of Endogenous RGS4 and RGS7. Journal of Biological Chemistry, 2004, 279, 2593-2599. | 1.6 | 65 |
| 72 | Zinc inhibition of adenylyl cyclase correlates with conformational changes in the enzyme. Cellular Signalling, 2004, 16, 1177-1185. | 1.7 | 33 |

ROGER K SUNAHARA

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Detection of G Proteins by Affinity Probe Capillary Electrophoresis Using a Fluorescently Labeled GTP Analogue. Analytical Chemistry, 2003, 75, 4297-4304. | 3.2 | 36 |
| 74 | The Hsp90 Cochaperone p23 Is the Limiting Component of the Multiprotein Hsp90/Hsp70-based Chaperone System in Vivo Where It Acts to Stabilize the Client Protein·Hsp90 Complex. Journal of Biological Chemistry, 2003, 278, 48754-48763. | 1.6 | 86 |
| 75 | Zinc Inhibition of cAMP Signaling. Journal of Biological Chemistry, 2002, 277, 11859-11865. | 1.6 | 62 |
| 76 | Isoforms of Mammalian Adenylyl Cyclase: Multiplicities of Signaling. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 168-184. | 3.4 | 361 |
| 77 | Dopamine D5 receptor immunolocalization in rat and monkey brain. Synapse, 2000, 37, 125-145. | 0.6 | 197 |
| 78 | Isolation and Characterization of Constitutively Active Mutants of Mammalian Adenylyl Cyclase. Journal of Biological Chemistry, 2000, 275, 38626-38632. | 1.6 | 16 |
| 79 | Molecular Basis for P-Site Inhibition of Adenylyl Cyclase,. Biochemistry, 2000, 39, 14464-14471. | 1.2 | 112 |
| 80 | Two-Metal-Ion Catalysis in Adenylyl Cyclase. Science, 1999, 285, 756-760. | 6.0 | 306 |
| 81 | Exchange of Substrate and Inhibitor Specificities between Adenylyl and Guanylyl Cyclases. Journal of Biological Chemistry, 1998, 273, 16332-16338. | 1.6 | 211 |
| 82 | Interaction of Gsα with the Cytosolic Domains of Mammalian Adenylyl Cyclase. Journal of Biological Chemistry, 1997, 272, 22265-22271. | 1.6 | 161 |
| 83 | Crystal Structure of the Catalytic Domains of Adenylyl Cyclase in a Complex with Gs·GTPS. Science, 1997, 278, 1907-1916. | 6.0 | 736 |
| 84 | Receptor-receptor link in membranes revealed by ligand competition: Example for dopamine D1 and D2 receptors. Synapse, 1994, 17, 62-64. | 0.6 | 26 |
| 85 | Schizophrenia: Dopamine D1 Receptor Sequence Is Normal, But Has DNA Polymorphisms. Neuropsychopharmacology, 1993, 8, 131-135. | 2.8 | 34 |
| 86 | Dopamine Receptors and Antipsychotic Drug Response. British Journal of Psychiatry, 1993, 163, 31-38. | 1.7 | 52 |
| 87 | The cloned dopamine D2 receptor reveals different densities for dopamine receptor antagonist ligands. Implications for human brain positron emission tomography. European Journal of Pharmacology, 1992, 227, 139-146. | 2.7 | 66 |
| 88 | Transcription of a human dopamine D5 pseudogene. Biochemical and Biophysical Research Communications, 1991, 181, 16-21. | 1.0 | 39 |
| 89 | Cloning of the gene for a human dopamine D4 receptor with high affinity for the antipsychotic clozapine. Nature, 1991, 350, 610-614. | 13.7 | 1,967 |
| 90 | Cloning of the gene for a human dopamine D5 receptor with higher affinity for dopamine than D1. Nature, 1991, 350, 614-619. | 13.7 | 1,103 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 91 | Human dopamine D1 receptor encoded by an intronless gene on chromosome 5. Nature, 1990, 347, 80-83. | 13.7 | 470 |