

# Randy A Hall

## List of Publications by Year in descending order

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126  
papers

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citations

26567

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35952

97  
g-index

127  
all docs

127  
docs citations

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times ranked

10243  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | TAZ: a novel transcriptional co-activator regulated by interactions with 14-3-3 and PDZ domain proteins. <i>EMBO Journal</i> , 2000, 19, 6778-6791.  | 3.5  | 623       |
| 2  | The $\beta$ 2-adrenergic receptor interacts with the Na <sup>+</sup> /H <sup>+</sup> -exchanger regulatory factor to control Na <sup>+</sup> /H <sup>+</sup> exchange. <i>Nature</i> , 1998, 392, 626-630.   | 13.7 | 566       |
| 3  | Fine-tuning of GPCR activity by receptor-interacting proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 819-830.   | 16.1 | 413       |
| 4  | A C-terminal motif found in the $\beta$ 2-adrenergic receptor, P2Y1 receptor and cystic fibrosis transmembrane conductance regulator determines binding to the Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor family of PDZ proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 8496-8501. | 3.3  | 393       |
| 5  | International Union of Basic and Clinical Pharmacology. XCIV. Adhesion G Protein-Coupled Receptors. <i>Pharmacological Reviews</i> , 2015, 67, 338-367.  | 7.1  | 392       |
| 6  | Heterodimerization of G Protein-Coupled Receptors: Specificity and Functional Significance. <i>Pharmacological Reviews</i> , 2005, 57, 289-298.  | 7.1  | 338       |
| 7  | Heptahelical Receptor Signaling: Beyond the G Protein Paradigm. <i>Journal of Cell Biology</i> , 1999, 145, 927-932.   | 2.3  | 297       |
| 8  | Platelet-Derived Growth Factor Receptor Association with Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor Potentiates Receptor Activity. <i>Molecular and Cellular Biology</i> , 2000, 20, 8352-8363.   | 1.1  | 201       |
| 9  | Regulation of G Protein-Coupled Receptor Signaling by Scaffold Proteins. <i>Circulation Research</i> , 2002, 91, 672-680.  | 2.0  | 201       |
| 10 | GTPase Activating Specificity of RGS12 and Binding Specificity of an Alternatively Spliced PDZ (PSD-95/Dlg/ZO-1) Domain. <i>Journal of Biological Chemistry</i> , 1998, 273, 17749-17755.  | 1.6  | 194       |
| 11 | GPR37 and GPR37L1 are receptors for the neuroprotective and glioprotective factors prosaptide and prosaposin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9529-9534.   | 3.3  | 162       |
| 12 | THE ASSOCIATION OF NHERF ADAPTOR PROTEINS WITH G PROTEIN-COUPLED RECEPTORS AND RECEPTOR TYROSINE KINASES. <i>Annual Review of Physiology</i> , 2006, 68, 491-505.  | 5.6  | 160       |
| 13 | $\beta$ 1-Adrenergic Receptor Association with PSD-95. <i>Journal of Biological Chemistry</i> , 2000, 275, 38659-38666.  | 1.6  | 155       |
| 14 | The N Terminus of the Adhesion G Protein-coupled Receptor GPR56 Controls Receptor Signaling Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 28914-28921.   | 1.6  | 153       |
| 15 | The G Protein-coupled Receptor Kinase 2 Is a Microtubule-associated Protein Kinase That Phosphorylates Tubulin. <i>Journal of Biological Chemistry</i> , 1998, 273, 12316-12324.   | 1.6  | 144       |
| 16 | Cell Surface Expression of $\beta$ 1D-Adrenergic Receptors Is Controlled by Heterodimerization with $\beta$ 1B-Adrenergic Receptors. <i>Journal of Biological Chemistry</i> , 2004, 279, 15541-15549.  | 1.6  | 143       |
| 17 | Differential Surface Expression and Phosphorylation of the N-Methyl-D-aspartate Receptor Subunits NR1 and NR2 in Cultured Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 1997, 272, 4135-4140.  | 1.6  | 134       |
| 18 | Identification of the endophilins (SH3p4/p8/p13) as novel binding partners for the beta 1-adrenergic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 12559-12564.   | 3.3  | 134       |

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|----|---|-----|-----------|
| 19 | G Protein-coupled Receptor Kinase 6A Phosphorylates the Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor via a PDZ Domain-mediated Interaction. <i>Journal of Biological Chemistry</i> , 1999, 274, 24328-24334.             | 1.6 | 129       |
| 20 | Heterodimerization with $\hat{\nu}2$ -Adrenergic Receptors Promotes Surface Expression and Functional Activity of $\hat{\nu}1$ D-Adrenergic Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 16-23. | 1.3 | 124       |
| 21 | $\hat{\nu}1$ -Adrenergic Receptor Association with the Synaptic Scaffolding Protein Membrane-associated Guanylate Kinase Inverted-2 (MAGI-2). <i>Journal of Biological Chemistry</i> , 2001, 276, 41310-41317.                          | 1.6 | 121       |
| 22 | Differential synaptology of vGluT2-containing thalamostriatal afferents between the patch and matrix compartments in rats. <i>Journal of Comparative Neurology</i> , 2006, 499, 231-243.  | 0.9 | 119       |
| 23 | LPA2 receptor mediates mitogenic signals in human colon cancer cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C2-C11.  | 2.1 | 118       |
| 24 | PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. <i>Nature Neuroscience</i> , 2016, 19, 443-453.  | 7.1 | 118       |
| 25 | Amitriptyline is a TrkA and TrkB Receptor Agonist that Promotes TrkA/TrkB Heterodimerization and Has Potent Neurotrophic Activity. <i>Chemistry and Biology</i> , 2009, 16, 644-656.  | 6.2 | 117       |
| 26 | Heterodimerization of $\hat{\nu}2$ A- and $\hat{\nu}1$ -Adrenergic Receptors. <i>Journal of Biological Chemistry</i> , 2003, 278, 10770-10777.  | 1.6 | 112       |
| 27 | Adhesion G Protein-Coupled Receptors: Signaling, Pharmacology, and Mechanisms of Activation. <i>Molecular Pharmacology</i> , 2012, 82, 777-783.   | 1.0 | 108       |
| 28 | JAM-A associates with ZO-2, afadin, and PDZ-GEF1 to activate Rap2c and regulate epithelial barrier function. <i>Molecular Biology of the Cell</i> , 2013, 24, 2849-2860.  | 0.9 | 108       |
| 29 | Hetero-oligomerization between GABAA and GABAB Receptors Regulates GABAB Receptor Trafficking. <i>Journal of Biological Chemistry</i> , 2004, 279, 18840-18850.   | 1.6 | 106       |
| 30 | Proteomic Analysis of $\hat{\nu}1$ -Adrenergic Receptor Interactions with PDZ Scaffold Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 2820-2827.   | 1.6 | 105       |
| 31 | Olfactory receptor surface expression is driven by association with the $\hat{\nu}2$ -adrenergic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13672-13676.             | 3.3 | 102       |
| 32 | The protective role of prosaposin and its receptors in the nervous system. <i>Brain Research</i> , 2014, 1585, 1-12.  | 1.1 | 101       |
| 33 | Oligomerization of NHERF-1 and NHERF-2 PDZ Domains: Differential Regulation by Association with Receptor Carboxyl-Termini and by Phosphorylation. <i>Biochemistry</i> , 2001, 40, 8572-8580.  | 1.2 | 100       |
| 34 | Stalk-dependent and Stalk-independent Signaling by the Adhesion G Protein-coupled Receptors GPR56 (ADGRG1) and BAI1 (ADGRB1). <i>Journal of Biological Chemistry</i> , 2016, 291, 3385-3394.  | 1.6 | 100       |
| 35 | Differential synaptic plasticity of the corticostriatal and thalamostriatal systems in an MPTP-treated monkey model of parkinsonism. <i>European Journal of Neuroscience</i> , 2008, 27, 1647-1658.                                     | 1.2 | 97        |
| 36 | Subtype-Specific Dimerization of $\hat{\nu}1$ -Adrenoceptors: Effects on Receptor Expression and Pharmacological Properties. <i>Molecular Pharmacology</i> , 2003, 64, 1379-1390.   | 1.0 | 93        |

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|----|---|-----|-----------|
| 37 | Cocaine- and amphetamine-regulated transcript (CART) peptide activates the extracellular signal-regulated kinase (ERK) pathway in AtT20 cells via putative G-protein coupled receptors. <i>Neuroscience Letters</i> , 2005, 384, 198-202.                   | 1.0 | 92        |
| 38 | P2Y1 receptor signaling is controlled by interaction with the PDZ scaffold NHERF-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8042-8047.  | 3.3 | 88        |
| 39 | Adhesion G Protein-Coupled Receptors as Drug Targets. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 429-449.  | 4.2 | 87        |
| 40 | Stable maintenance of glutamate receptors and other synaptic components in long-term hippocampal slices. <i>Hippocampus</i> , 1995, 5, 425-439.   | 0.9 | 86        |
| 41 | Brain-specific Angiogenesis Inhibitor-1 Signaling, Regulation, and Enrichment in the Postsynaptic Density. <i>Journal of Biological Chemistry</i> , 2013, 288, 22248-22256.   | 1.6 | 84        |
| 42 | GABAB Receptor Association with the PDZ Scaffold Mupp1 Alters Receptor Stability and Function. <i>Journal of Biological Chemistry</i> , 2007, 282, 4162-4171.   | 1.6 | 76        |
| 43 | Monitoring Protein-Protein Interactions between the Mammalian Integral Membrane Transporters and PDZ-interacting Partners Using a Modified Split-ubiquitin Membrane Yeast Two-hybrid System. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1362-1377. | 2.5 | 71        |
| 44 | BA11 regulates spatial learning and synaptic plasticity in the hippocampus. <i>Journal of Clinical Investigation</i> , 2015, 125, 1497-1508.  | 3.9 | 71        |
| 45 | Quantitation of AMPA receptor surface expression in cultured hippocampal neurons. <i>Neuroscience</i> , 1997, 78, 361-371.  | 1.1 | 70        |
| 46 | Heterodimers of $\beta$ 1B- and $\beta$ 1D-Adrenergic Receptors Form a Single Functional Entity. <i>Molecular Pharmacology</i> , 2006, 69, 45-55.   | 1.0 | 67        |
| 47 | Subcellular and subsynaptic localization of group I metabotropic glutamate receptors in the monkey subthalamic nucleus. <i>Journal of Comparative Neurology</i> , 2004, 474, 589-602.   | 0.9 | 65        |
| 48 | GPR37 Surface Expression Enhancement via N-Terminal Truncation or Protein-Protein Interactions. <i>Biochemistry</i> , 2009, 48, 10286-10297.  | 1.2 | 63        |
| 49 | Evidence that High- and Low-Affinity DL- $\beta$ -Amino- $\beta$ -Hydroxy- $\alpha$ -Methylisoxazole-Propionic Acid (AMPA) Binding Sites Reflect Membrane-Dependent States of a Single Receptor. <i>Journal of Neurochemistry</i> , 1992, 59, 1997-2004.    | 2.1 | 62        |
| 50 | Genome-wide Functional Annotation of Dual-Specificity Protein- and Lipid-Binding Modules that Regulate Protein Interactions. <i>Molecular Cell</i> , 2012, 46, 226-237.   | 4.5 | 62        |
| 51 | Phosphorylation and Cell Cycle-dependent Regulation of Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor-1 by Cdc2 Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 41559-41565.   | 1.6 | 61        |
| 52 | $\beta$ 2-Adrenergic receptors and their interacting proteins. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 281-288.   | 2.3 | 61        |
| 53 | Endothelial cell specific adhesion molecule (ESAM) localizes to platelet-platelet contacts and regulates thrombus formation in vivo. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 1886-1896.   | 1.9 | 61        |
| 54 | MAGI-3 Competes With NHERF-2 to Negatively Regulate LPA2 Receptor Signaling in Colon Cancer Cells. <i>Gastroenterology</i> , 2011, 140, 924-934.  | 0.6 | 61        |

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|----|--|-----|-----------|
| 55 | Interaction with Cystic Fibrosis Transmembrane Conductance Regulator-associated Ligand (CAL) Inhibits $\beta$ 21-Adrenergic Receptor Surface Expression. <i>Journal of Biological Chemistry</i> , 2004, 279, 50190-50196.  | 1.6 | 60        |
| 56 | Na/H Exchanger Regulatory Factors Control Parathyroid Hormone Receptor Signaling by Facilitating Differential Activation of G $\beta$ Protein Subunits. <i>Journal of Biological Chemistry</i> , 2010, 285, 26976-26986.   | 1.6 | 58        |
| 57 | Glycosylation of $\beta$ 21-adrenergic receptors regulates receptor surface expression and dimerization. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 565-572.  | 1.0 | 54        |
| 58 | The BAI subfamily of adhesion GPCRs: synaptic regulation and beyond. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 208-215.  | 4.0 | 54        |
| 59 | MAGI-3 regulates LPA-induced activation of Erk and RhoA. <i>Cellular Signalling</i> , 2007, 19, 261-268.   | 1.7 | 53        |
| 60 | Protein Kinase C $\beta$ Promotes Cell Migration through a PDZ-Dependent Interaction with its Novel Substrate Discs Large Homolog 1 (DLG1). <i>Journal of Biological Chemistry</i> , 2011, 286, 43559-43568.   | 1.6 | 53        |
| 61 | Studying Protein-Protein Interactions via Blot Overlay or Far Western Blot. , 2004, 261, 167-174.  |     | 51        |
| 62 | Syntrophins Regulate $\beta$ 1D-Adrenergic Receptors through a PDZ Domain-mediated Interaction. <i>Journal of Biological Chemistry</i> , 2006, 281, 12414-12420.   | 1.6 | 49        |
| 63 | Erbin Enhances Voltage-Dependent Facilitation of Cav1.3 Ca <sup>2+</sup> Channels through Relief of an Autoinhibitory Domain in the Cav1.3 $\beta$ 1 Subunit. <i>Journal of Neuroscience</i> , 2007, 27, 1374-1385.  | 1.7 | 47        |
| 64 | The PDZ Scaffold NHERF-2 Interacts with mGluR5 and Regulates Receptor Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 29949-29961.   | 1.6 | 46        |
| 65 | Enhancement of the surface expression of G protein-coupled receptors. <i>Trends in Biotechnology</i> , 2009, 27, 541-545.  | 4.9 | 44        |
| 66 | CART peptide stimulation of G protein-mediated signaling in differentiated PC12 Cells: Identification of PACAP 6-38 as a CART receptor antagonist. <i>Neuropeptides</i> , 2011, 45, 351-358.   | 0.9 | 44        |
| 67 | A New Human NHERF1 Mutation Decreases Renal Phosphate Transporter NPT2a Expression by a PTH-Independent Mechanism. <i>PLoS ONE</i> , 2012, 7, e34764.  | 1.1 | 44        |
| 68 | Adenosine A <sub>2A</sub> receptor in the monkey basal ganglia: Ultrastructural localization and colocalization with the metabotropic glutamate receptor 5 in the striatum. <i>Journal of Comparative Neurology</i> , 2012, 520, 570-589.                                      | 0.9 | 44        |
| 69 | Mouse telencephalon exhibits an age-related decrease in glutamate (AMPA) receptors but no change in nerve terminal markers. <i>Brain Research</i> , 1992, 589, 320-326.  | 1.1 | 41        |
| 70 | Cyclothiazide decreases [ <sup>3</sup> H]AMPA binding to rat brain membranes: evidence that AMPA receptor desensitization increases agonist affinity. <i>Brain Research</i> , 1993, 628, 345-348.  | 1.1 | 41        |
| 71 | Binding to Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 2 (NHERF2) affects trafficking and function of the enteropathogenic <i>Escherichia coli</i> type III secretion system effectors Map, Espl and NleH. <i>Cellular Microbiology</i> , 2010, 12, 1718-1731. | 1.1 | 41        |
| 72 | Agonist-induced polarized trafficking and surface expression of the adenosine 2b receptor in intestinal epithelial cells: role of SNARE proteins. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G1100-G1107.   | 1.6 | 40        |

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| 73 | Specificity of Olfactory Receptor Interactions with Other G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 19042-19051.   | 1.6 | 40        |
| 74 | Î² Opioid Receptor Interacts with Na <sup>+</sup> /H <sup>+</sup> -exchanger Regulatory Factor-1/Ezrin-Radixin-Moesin-binding Phosphoprotein-50 (NHERF-1/EBP50) to Stimulate Na <sup>+</sup> /H <sup>+</sup> Exchange Independent of Gi/Go Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 25002-25009. | 1.6 | 39        |
| 75 | Protective effects of GPR37 <i>via</i> regulation of inflammation and multiple cell death pathways after ischemic stroke in mice. <i>FASEB Journal</i> , 2019, 33, 10680-10691.   | 0.2 | 39        |
| 76 | GPR37L1 modulates seizure susceptibility: Evidence from mouse studies and analyses of a human GPR37L1 variant. <i>Neurobiology of Disease</i> , 2017, 106, 181-190.   | 2.1 | 38        |
| 77 | Cell cycle-dependent phosphorylation of Disabled-2 by cdc2. <i>Oncogene</i> , 2003, 22, 4524-4530.  | 2.6 | 37        |
| 78 | Ultrastructural localization of <sc>DREADD</sc>s in monkeys. <i>European Journal of Neuroscience</i> , 2019, 50, 2801-2813.   | 1.2 | 37        |
| 79 | The Protein Scaffold NHERF-1 Controls the Amplitude and Duration of Localized Protein Kinase D Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 24653-24661.   | 1.6 | 36        |
| 80 | Localization and Expression of Group I Metabotropic Glutamate Receptors in the Mouse Striatum, Globus Pallidus, and Subthalamic Nucleus: Regulatory Effects of MPTP Treatment and Constitutive Homer Deletion. <i>Journal of Neuroscience</i> , 2007, 27, 6249-6260.  | 1.7 | 35        |
| 81 | Mice lacking Gpr37 exhibit decreased expression of the myelin-associated glycoprotein MAG and increased susceptibility to demyelination. <i>Neuroscience</i> , 2017, 358, 49-57.  | 1.1 | 32        |
| 82 | Disease-associated extracellular loop mutations in the adhesion G protein-coupled receptor G1 (ADGRC1; GPR56) differentially regulate downstream signaling. <i>Journal of Biological Chemistry</i> , 2017, 292, 9711-9720.  | 1.6 | 31        |
| 83 | Interaction between metabotropic glutamate receptor 7 and alpha tubulin. <i>Journal of Neurochemistry</i> , 2002, 80, 980-988.  | 2.1 | 30        |
| 84 | A C-terminal class I PDZ binding motif of EspI/NleA modulates the virulence of attaching and effacing <i>Escherichia coli</i> and <i>Citrobacter rodentium</i> . <i>Cellular Microbiology</i> , 2007, 10, 071103031556003-???   | 1.1 | 30        |
| 85 | Olfactory receptor trafficking to the plasma membrane. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2289-2295.   | 2.4 | 29        |
| 86 | Distinct distributions of Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionate (AMPA) receptor subunits and a related 53,000 Mr antigen (GR53) in brain tissue. <i>Neuroscience</i> , 1996, 74, 707-721.   | 1.1 | 28        |
| 87 | Novel Interaction between the M4 Muscarinic Acetylcholine Receptor and Elongation Factor 1A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 29268-29274.  | 1.6 | 28        |
| 88 | Î±2C-Adrenergic Receptors Exhibit Enhanced Surface Expression and Signaling upon Association with Î±2-Adrenergic Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 974-981.  | 1.3 | 28        |
| 89 | AMPA Receptor Development in Rat Telencephalon: [ <sup>3</sup> H]AMPA Binding and Western Blot Studies. <i>Journal of Neurochemistry</i> , 1994, 63, 1658-1665.   | 2.1 | 27        |
| 90 | Elucidation of a Novel Extracellular Calcium-binding Site on Metabotropic Glutamate Receptor 1Î± (mGluR1Î±) That Controls Receptor Activation*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33463-33474.  | 1.6 | 27        |

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| 91  | Autonomic Modulation of Olfactory Signaling. <i>Science Signaling</i> , 2011, 4, pe1.  | 1.6  | 27        |
| 92  | Role of SAP97 Protein in the Regulation of Corticotropin-releasing Factor Receptor 1 Endocytosis and Extracellular Signal-regulated Kinase 1/2 Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 15023-15034. | 1.6  | 26        |
| 93  | An electron microscope immunocytochemical study of GABAB R2 receptors in the monkey basal ganglia: A comparative analysis with GABAB R1 receptor distribution. <i>Journal of Comparative Neurology</i> , 2004, 476, 65-79. | 0.9  | 25        |
| 94  | A disease-associated mutation in the adhesion GPCR BAI2 ( <i>ADGRB2</i> ) increases receptor signaling activity. <i>Human Mutation</i> , 2017, 38, 1751-1760.  | 1.1  | 24        |
| 95  | Extracellular Calcium Modulates Actions of Orthosteric and Allosteric Ligands on Metabotropic Glutamate Receptor 1. <i>Journal of Biological Chemistry</i> , 2014, 289, 1649-1661.   | 1.6  | 22        |
| 96  | The tyrosine phosphatase PTPN13/FAP-1 links calpain-2, TBI and tau tyrosine phosphorylation. <i>Scientific Reports</i> , 2017, 7, 11771.   | 1.6  | 22        |
| 97  | Versatile Signaling Activity of Adhesion GPCRs. <i>Handbook of Experimental Pharmacology</i> , 2016, 234, 127-146.   | 0.9  | 21        |
| 98  | Evidence against enhanced glutamate transport in the anticonvulsant mechanism of the ketogenic diet. <i>Epilepsy Research</i> , 2007, 74, 232-236.   | 0.8  | 19        |
| 99  | Effects of heparin on the properties of solubilized and reconstituted rat brain AMPA receptors. <i>Neuroscience Letters</i> , 1996, 217, 179-183.  | 1.0  | 18        |
| 100 | Heparin modulates the single channel kinetics of reconstituted AMPA receptors from rat brain. <i>Synapse</i> , 1999, 31, 203-209.  | 0.6  | 17        |
| 101 | Single channel recordings of reconstituted AMPA receptors reveal low and high conductance states. <i>Neuroscience Letters</i> , 1993, 150, 80-84.  | 1.0  | 16        |
| 102 | The expanding functional roles and signaling mechanisms of adhesion G protein-coupled receptors. <i>Annals of the New York Academy of Sciences</i> , 2019, 1456, 5-25.   | 1.8  | 16        |
| 103 | GABAB receptors in the centromedian/parafascicular thalamic nuclear complex: An ultrastructural analysis of GABABR1 and GABABR2 in the monkey thalamus. <i>Journal of Comparative Neurology</i> , 2006, 496, 269-287.      | 0.9  | 15        |
| 104 | Functional Reconstitution of $\alpha$ -Amino-3-Hydroxy-5-Methylisoxazole-4-Propionate (AMPA) Receptors from Rat Brain. <i>Journal of Neurochemistry</i> , 1992, 59, 1979-1982.   | 2.1  | 14        |
| 105 | Systematic family-wide analysis of sodium bicarbonate cotransporter NBCn1/SLC4A7 interactions with PDZ scaffold proteins. <i>Physiological Reports</i> , 2014, 2, e12016.  | 0.7  | 14        |
| 106 | Adhesion G protein-coupled receptors: structure, signaling, physiology, and pathophysiology. <i>Physiological Reviews</i> , 2022, 102, 1587-1624.  | 13.1 | 14        |
| 107 | Kainate binding to the AMPA receptor in rat brain. <i>Neurochemical Research</i> , 1994, 19, 777-782.  | 1.6  | 13        |
| 108 | Design of a selective chemical probe for class I PDZ domains. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 546-548.   | 1.0  | 13        |

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|-----|---|-----|-----------|
| 109 | Astrocytic and neuronal localization of the scaffold protein Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 2 (NHERF-2) in mouse brain. <i>Journal of Comparative Neurology</i> , 2006, 494, 752-762.  | 0.9 | 12        |
| 110 | GLAST stability and activity are enhanced by interaction with the PDZ scaffold NHERF-2. <i>Neuroscience Letters</i> , 2011, 487, 3-7.   | 1.0 | 12        |
| 111 | Group II metabotropic glutamate receptor interactions with NHERF scaffold proteins: Implications for receptor localization in brain. <i>Neuroscience</i> , 2017, 353, 58-75.  | 1.1 | 11        |
| 112 | Ultraviolet radiation, thiol reagents, and solubilization enhance AMPA receptor binding affinity via a common mechanism. <i>Neurochemical Research</i> , 1996, 21, 963-968.   | 1.6 | 9         |
| 113 | Identification of novel G protein-coupled receptor-interacting proteins. <i>Methods in Enzymology</i> , 2002, 343, 611-621.   | 0.4 | 9         |
| 114 | Chronic loss of noradrenergic tone produces $\beta$ -arrestin2-mediated cocaine hypersensitivity and alters cellular D <sub>2</sub> responses in the nucleus accumbens. <i>Addiction Biology</i> , 2016, 21, 35-48. | 1.4 | 9         |
| 115 | Olfactory Receptor Localization and Function: An Emerging Role for GPCR Heterodimerization. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2004, 4, 321-322.   | 3.4 | 9         |
| 116 | Mice lacking full length Adgrb1 (Bai1) exhibit social deficits, increased seizure susceptibility, and altered brain development. <i>Experimental Neurology</i> , 2022, 351, 113994.                                 | 2.0 | 9         |
| 117 | Studying Protein-Protein Interactions via Blot Overlay/Far Western Blot. <i>Methods in Molecular Biology</i> , 2015, 1278, 371-379.   | 0.4 | 8         |
| 118 | $\beta$ -AKAP2:PKA RII:PDZK1 ternary complex structure: Insights from the nucleation of a polyvalent scaffold. <i>Protein Science</i> , 2015, 24, 105-116.  | 3.1 | 8         |
| 119 | Quantitative Proteomics Reveal an Altered Pattern of Protein Expression in Brain Tissue from Mice Lacking GPR37 and GPR37L1. <i>Journal of Proteome Research</i> , 2020, 19, 744-755.                               | 1.8 | 8         |
| 120 | Olfactory Receptor Interactions with Other Receptors. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 147-149.  | 1.8 | 7         |
| 121 | SAP97 promotes the stability of Na <sup>+</sup> channels at the plasma membrane. <i>FEBS Letters</i> , 2012, 586, 3805-3812.  | 1.3 | 6         |
| 122 | GPR37 modulates progenitor cell dynamics in a mouse model of ischemic stroke. <i>Experimental Neurology</i> , 2021, 342, 113719.  | 2.0 | 5         |
| 123 | Chronic loss of Noradrenergic Tone Produces $\beta$ -Arrestin2-Mediated Cocaine Hypersensitivity and a G $\beta$ 1 to G $\beta$ s switch in D2 Receptor Coupling in the Nucleus Accumbens. , 2014, , 111.           |     | 1         |
| 124 | Localized PKD activity at PDZ domain-containing scaffolds. <i>FASEB Journal</i> , 2008, 22, 1048.13.  | 0.2 | 0         |
| 125 | Detection and Characterization of Receptor Interactions with PDZ Domains. <i>Methods in Molecular Biology</i> , 2011, 756, 345-356.   | 0.4 | 0         |
| 126 | PDZ interactions between PHLPP phosphatases and the NHERF scaffold. <i>FASEB Journal</i> , 2012, 26, 761.26.  | 0.2 | 0         |