

# Jonathan A Javitch

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

263  
papers

22,094  
citations

84  
h-index

143  
g-index

307  
ext. papers

24,488  
ext. citations

9.7  
avg, IF

6.66  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 263 | Functional Genomic Analysis of Amphetamine Sensitivity in .. <i>Frontiers in Psychiatry</i> , <b>2022</b> , 13, 831597  | 5    | 0         |
| 262 | OZITX, a pertussis toxin-like protein for occluding inhibitory G protein signalling including G $\beta$ <i>Communications Biology</i> , <b>2022</b> , 5, 256  | 6.7  | 0         |
| 261 | A non-helical region in transmembrane helix 6 of hydrophobic amino acid transporter MhsT mediates substrate recognition. <i>EMBO Journal</i> , <b>2021</b> , 40, e105164                                    | 13   | 4         |
| 260 | Tianeptine, but not fluoxetine, decreases avoidant behavior in a mouse model of early developmental exposure to fluoxetine. <i>Scientific Reports</i> , <b>2021</b> , 11, 22852                             | 4.9  | 0         |
| 259 | Dopamine D2 receptors modulate the cholinergic pause and inhibitory learning. <i>Molecular Psychiatry</i> , <b>2021</b> ,   | 15.1 | 3         |
| 258 | Delineating the interactions between the cannabinoid CB receptor and its regulatory effectors; Arrestins and G protein-coupled receptor kinases. <i>British Journal of Pharmacology</i> , <b>2021</b> ,     | 8.6  | 2         |
| 257 | Disrupting D1-NMDA or D2-NMDA receptor heteromerization prevents cocaine's rewarding effects but preserves natural reward processing. <i>Science Advances</i> , <b>2021</b> , 7, eabg5970                   | 14.3 | 3         |
| 256 | Assays for detecting arrestin interaction with GPCRs. <i>Methods in Cell Biology</i> , <b>2021</b> , 166, 43-65   | 1.8  | 0         |
| 255 | Single-molecule FRET imaging of GPCR dimers in living cells. <i>Nature Methods</i> , <b>2021</b> , 18, 397-405  | 21.6 | 30        |
| 254 | Input-specific regulation of glutamatergic synaptic transmission in the medial prefrontal cortex by mGlu/mGlu receptor heterodimers. <i>Science Signaling</i> , <b>2021</b> , 14,                           | 8.8  | 5         |
| 253 | New phosphosite-specific antibodies to unravel the role of GRK phosphorylation in dopamine D receptor regulation and signaling. <i>Scientific Reports</i> , <b>2021</b> , 11, 8288                          | 4.9  | 5         |
| 252 | Site selective C-H functionalization of Mitragyna alkaloids reveals a molecular switch for tuning opioid receptor signaling efficacy. <i>Nature Communications</i> , <b>2021</b> , 12, 3858                 | 17.4 | 9         |
| 251 | Dopamine D2 receptor overexpression in the nucleus accumbens core induces robust weight loss during scheduled fasting selectively in female mice. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 3765-3777 | 15.1 | 17        |
| 250 | Crystal structures of LeuT reveal conformational dynamics in the outward-facing states. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100609  | 5.4  | 3         |
| 249 | Controlling opioid receptor functional selectivity by targeting distinct subpockets of the orthosteric site. <i>ELife</i> , <b>2021</b> , 10,   | 8.9  | 16        |
| 248 | The Role of the Dopamine Transporter in the Effects of Amphetamine on Sleep and Sleep Architecture in <i>Drosophila</i> . <i>Neurochemical Research</i> , <b>2021</b> , 1                                   | 4.6  | 1         |
| 247 | How changes in dopamine D2 receptor levels alter striatal circuit function and motivation. <i>Molecular Psychiatry</i> , <b>2021</b> ,  | 15.1 | 2         |

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| 246 | A Novel Mitragynine Analog with Low-Efficacy Mu Opioid Receptor Agonism Displays Antinociception with Attenuated Adverse Effects. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 13873-13892   | 8.3  | 10 |
| 245 | Encephalopathy-causing mutations in G $\beta$ 1 alter regulation of neuronal GIRK channels. <i>iScience</i> , <b>2021</b> , 24, 103018  | 6.1  |    |
| 244 | Mu opioid receptors on hippocampal GABAergic interneurons are critical for the antidepressant effects of tianeptine. <i>Neuropsychopharmacology</i> , <b>2021</b> ,   | 8.7  | 3  |
| 243 | Cortical overgrowth in a preclinical forebrain organoid model of CNTNAP2-associated autism spectrum disorder. <i>Nature Communications</i> , <b>2021</b> , 12, 4087   | 17.4 | 5  |
| 242 | A novel luminescence-based $\beta$ arrestin recruitment assay for unmodified receptors. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100503  | 5.4  | 5  |
| 241 | Structure of human GABA receptor in an inactive state. <i>Nature</i> , <b>2020</b> , 584, 304-309   | 50.4 | 32 |
| 240 | X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. <i>Nature Communications</i> , <b>2020</b> , 11, 1005   | 17.4 | 15 |
| 239 | Signalling profiles of a structurally diverse panel of synthetic cannabinoid receptor agonists. <i>Biochemical Pharmacology</i> , <b>2020</b> , 175, 113871   | 6    | 15 |
| 238 | Detection of G Protein-Coupled Receptor Complexes in Postmortem Human Brain by Proximity Ligation Assay. <i>Current Protocols in Neuroscience</i> , <b>2020</b> , 91, e86   | 2.7  | 3  |
| 237 | Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , <b>2020</b> , 6, eaay9572   | 14.3 | 20 |
| 236 | Distinct inactive conformations of the dopamine D2 and D3 receptors correspond to different extents of inverse agonism. <i>ELife</i> , <b>2020</b> , 9,   | 8.9  | 18 |
| 235 | Synthesis and pharmacological evaluation of bivalent tethered ligands to target the mGlu heterodimeric receptor results in a compound with mGlu homodimer selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127212         | 2.9  | 3  |
| 234 | Detecting G protein-coupled receptor complexes in postmortem human brain with proximity ligation assay and a Bayesian classifier. <i>BioTechniques</i> , <b>2020</b> , 68, 122-129  | 2.5  | 4  |
| 233 | Measuring the effects of ketamine on mGluR5 using [F]FPEB and PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2020</b> , 40, 2254-2264   | 7.3  | 4  |
| 232 | G12/13 is activated by acute tethered agonist exposure in the adhesion GPCR ADGRL3. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1343-1350  | 11.7 | 12 |
| 231 | Novel Fluorescent Ligands Enable Single-Molecule Localization Microscopy of the Dopamine Transporter. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 3288-3300  | 5.7  | 3  |
| 230 | Tuning the Baird aromatic triplet-state energy of cyclooctatetraene to maximize the self-healing mechanism in organic fluorophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 24305-24315 | 11.5 | 17 |
| 229 | Agonist-induced formation of unproductive receptor-G complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21723-21730   | 11.5 | 13 |

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| 228 | New roles for dopamine D and D receptors in pancreatic beta cell insulin secretion. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2070-2085  | 15.1 | 30 |
| 227 | Come Fly with Me: An overview of dopamine receptors in <i>Drosophila melanogaster</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2020</b> , 126 Suppl 6, 56-65   | 3.1  | 13 |
| 226 | Arrestin recruitment to dopamine D2 receptor mediates locomotion but not incentive motivation. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2086-2100   | 15.1 | 32 |
| 225 | Do Toxic Synthetic Cannabinoid Receptor Agonists Have Signature in Vitro Activity Profiles? A Case Study of AMB-FUBINACA. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4350-4360                                     | 5.7  | 21 |
| 224 | The differential actions of clozapine and other antipsychotic drugs on the translocation of dopamine D2 receptors to the cell surface. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 5604-5615                 | 5.4  | 9  |
| 223 | Genetically Targeted Optical Control of an Endogenous G Protein-Coupled Receptor. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11522-11530   | 16.4 | 32 |
| 222 | 7-Hydroxymitragynine Is an Active Metabolite of Mitragynine and a Key Mediator of Its Analgesic Effects. <i>ACS Central Science</i> , <b>2019</b> , 5, 992-1001  | 16.8 | 75 |
| 221 | Cannabinoid CB1 and CB2 Receptor-Mediated Arrestin Translocation: Species, Subtype, and Agonist-Dependence. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 350   | 5.6  | 26 |
| 220 | Molecular Determinants of the Intrinsic Efficacy of the Antipsychotic Aripiprazole. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1780-1792  | 4.9  | 14 |
| 219 | Quantifying secondary transport at single-molecule resolution. <i>Nature</i> , <b>2019</b> , 575, 528-534  | 50.4 | 22 |
| 218 | The allosteric mechanism of substrate-specific transport in SLC6 is mediated by a volumetric sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15947-15956 | 11.5 | 16 |
| 217 | Role of Tau Protein in Remodeling of Circadian Neuronal Circuits and Sleep. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 320   | 5.3  | 11 |
| 216 | Regional Heterogeneity of D2-Receptor Signaling in the Dorsal Striatum and Nucleus Accumbens. <i>Neuron</i> , <b>2018</b> , 98, 575-587.e4   | 13.9 | 41 |
| 215 | Gs- versus Golf-dependent functional selectivity mediated by the dopamine D receptor. <i>Nature Communications</i> , <b>2018</b> , 9, 486  | 17.4 | 24 |
| 214 | A partially-open inward-facing intermediate conformation of LeuT is associated with Na release and substrate transport. <i>Nature Communications</i> , <b>2018</b> , 9, 230  | 17.4 | 28 |
| 213 | Phosphorylation of the Amino Terminus of the Dopamine Transporter: Regulatory Mechanisms and Implications for Amphetamine Action. <i>Advances in Pharmacology</i> , <b>2018</b> , 82, 205-234                                | 5.7  | 6  |
| 212 | The action of a negative allosteric modulator at the dopamine D receptor is dependent upon sodium ions. <i>Scientific Reports</i> , <b>2018</b> , 8, 1208  | 4.9  | 13 |
| 211 | The structural determinants of the bitopic binding mode of a negative allosteric modulator of the dopamine D receptor. <i>Biochemical Pharmacology</i> , <b>2018</b> , 148, 315-328  | 6    | 18 |

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| 210 | Accumbens dopamine D2 receptors increase motivation by decreasing inhibitory transmission to the ventral pallidum. <i>Nature Communications</i> , <b>2018</b> , 9, 1086  | 17.4 | 48  |
| 209 | Treatment resistant depression: A multi-scale, systems biology approach. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2018</b> , 84, 272-288   | 9    | 209 |
| 208 | Luciferase complementation based-detection of G-protein-coupled receptor activity. <i>BioTechniques</i> , <b>2018</b> , 65, 9-14   | 2.5  | 10  |
| 207 | The LeuT-fold neurotransmitter:sodium symporter MhsT has two substrate sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E7924-E7931  | 11.5 | 14  |
| 206 | The E2.65A mutation disrupts dynamic binding poses of SB269652 at the dopamine D2 and D3 receptors. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1005948   | 5    | 15  |
| 205 | Reply to Antipsychotics with similar association kinetics at dopamine D receptors differ in extrapyramidal side-effectsP <i>Nature Communications</i> , <b>2018</b> , 9, 3568  | 17.4 | 1   |
| 204 | Exploring Substrate Binding in the Extracellular Vestibule of MhsT by Atomistic Simulations and Markov Models. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 1244-1252   | 6.1  | 3   |
| 203 | Potentiating SLC transporter activity: Emerging drug discovery opportunities. <i>Biochemical Pharmacology</i> , <b>2017</b> , 135, 1-11  | 6    | 35  |
| 202 | Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2017</b> , 2, 449-456                           | 2.4  | 36  |
| 201 | Phospho-specific antibodies targeting the amino terminus of the human dopamine transporter. <i>Journal of Chemical Neuroanatomy</i> , <b>2017</b> , 83-84, 91-98   | 3.2  | 4   |
| 200 | Single-molecule analysis of ligand efficacy in AR-G-protein activation. <i>Nature</i> , <b>2017</b> , 547, 68-73   | 50.4 | 164 |
| 199 | The role of transmembrane segment 5 (TM5) in Na <sup>+</sup> release and the conformational transition of neurotransmitter:sodium symporters toward the inward-open state. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 7372-7384 | 5.4  | 17  |
| 198 | The Behavioral Effects of the Antidepressant Tianeptine Require the Mu-Opioid Receptor. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 2052-2063   | 8.7  | 123 |
| 197 | Toward Understanding the Structural Basis of Partial Agonism at the Dopamine D Receptor. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 580-593   | 8.3  | 33  |
| 196 | Extrapyramidal side effects of antipsychotics are linked to their association kinetics at dopamine D receptors. <i>Nature Communications</i> , <b>2017</b> , 8, 763  | 17.4 | 97  |
| 195 | Development of novel biosensors to study receptor-mediated activation of the G-protein $\beta$ subunits G and G. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 19989-19998   | 5.4  | 8   |
| 194 | Extreme Vetting of Dopamine Receptor Oligomerization <b>2017</b> , 99-127  |      | 2   |
| 193 | Neuronal Depolarization Drives Increased Dopamine Synaptic Vesicle Loading via VGLUT. <i>Neuron</i> , <b>2017</b> , 95, 1074-1088.e7   | 13.9 | 42  |

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| 192 | Optical Control of Dopamine Receptors Using a Photoswitchable Tethered Inverse Agonist. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18522-18535  | 16.4 | 43  |
| 191 | In vivo variation in same-day estimates of metabotropic glutamate receptor subtype 5 binding using [C]ABP688 and [F]FPEB. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 2716-2727  | 7.3  | 34  |
| 190 | Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. <i>Chemical Science</i> , <b>2017</b> , 8, 755-762  | 9.4  | 36  |
| 189 | Dopamine D2 Receptors in the Paraventricular Thalamus Attenuate Cocaine Locomotor Sensitization. <i>ENeuro</i> , <b>2017</b> , 4,   | 3.9  | 22  |
| 188 | Mechanisms of amphetamine action illuminated through optical monitoring of dopamine synaptic vesicles in Drosophila brain. <i>Nature Communications</i> , <b>2016</b> , 7, 10652  | 17.4 | 70  |
| 187 | Conformational Dynamics on the Extracellular Side of LeuT Controlled by Na <sup>+</sup> and K <sup>+</sup> Ions and the Protonation State of Glu290. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 19786-99                           | 5.4  | 16  |
| 186 | Development and Antiparkinsonian Activity of VU0418506, a Selective Positive Allosteric Modulator of Metabotropic Glutamate Receptor 4 Homomers without Activity at mGlu2/4 Heteromers. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 1201-11 | 5.7  | 47  |
| 185 | The role of kinetic context in apparent biased agonism at GPCRs. <i>Nature Communications</i> , <b>2016</b> , 7, 10842  | 17.4 | 206 |
| 184 | Role of Annular Lipids in the Functional Properties of Leucine Transporter LeuT Proteomicelles. <i>Biochemistry</i> , <b>2016</b> , 55, 850-9   | 3.2  | 10  |
| 183 | Development of a Rapid Insulin Assay by Homogenous Time-Resolved Fluorescence. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148684   | 3.7  | 18  |
| 182 | Novel Analogues of (R)-5-(Methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinolin-2(1H)-one (Sumanitrolol) Provide Clues to Dopamine D2/D3 Receptor Agonist Selectivity. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 2973-88            | 8.3  | 26  |
| 181 | Synthetic and Receptor Signaling Explorations of the Mitragyna Alkaloids: Mitragynine as an Atypical Molecular Framework for Opioid Receptor Modulators. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6754-64               | 16.4 | 161 |
| 180 | Dual agonist occupancy of AT1-R $\beta$ C-AR heterodimers results in atypical Gs-PKA signaling. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 271-9  | 11.7 | 76  |
| 179 | Evidence for limited D1 and D2 receptor coexpression and colocalization within the dorsal striatum of the neonatal mouse. <i>Journal of Comparative Neurology</i> , <b>2015</b> , 523, 1175-89  | 3.4  | 21  |
| 178 | High Affinity Dopamine D3 Receptor (D3R)-Selective Antagonists Attenuate Heroin Self-Administration in Wild-Type but not D3R Knockout Mice. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 6195-213                                      | 8.3  | 35  |
| 177 | Upregulation of dopamine D2 receptors in the nucleus accumbens indirect pathway increases locomotion but does not reduce alcohol consumption. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 1609-18  | 8.7  | 34  |
| 176 | Substrate-induced unlocking of the inner gate determines the catalytic efficiency of a neurotransmitter:sodium symporter. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 26725-38  | 5.4  | 28  |
| 175 | Mechanism of the Association between Na <sup>+</sup> Binding and Conformations at the Intracellular Gate in Neurotransmitter:Sodium Symporters. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 13992-4003                              | 5.4  | 41  |

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|-----|---|------|-----|
| 174 | What can crystal structures of aminergic receptors tell us about designing subtype-selective ligands?. <i>Pharmacological Reviews</i> , <b>2015</b> , 67, 198-213   | 22.5 | 75  |
| 173 | Using Bioluminescence Resonance Energy Transfer (BRET) to Characterize Agonist-Induced Arrestin Recruitment to Modified and Unmodified G Protein-Coupled Receptors. <i>Current Protocols in Pharmacology</i> , <b>2015</b> , 70, 2.14.1-2.14.14 | 4.1  | 32  |
| 172 | Evidence against dopamine D1/D2 receptor heteromers. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 1373-85  | 15.1 | 83  |
| 171 | Imaging Functional Dynamic Processes within Integral Membrane Proteins at the Single-Molecule Scale. <i>FASEB Journal</i> , <b>2015</b> , 29, 498.3   | 0.9  |     |
| 170 | A mechanism for intracellular release of Na <sup>+</sup> by neurotransmitter/sodium symporters. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 1006-12  | 17.6 | 119 |
| 169 | Identification of novel functionally selective $\mu$ opioid receptor scaffolds. <i>Molecular Pharmacology</i> , <b>2014</b> , 85, 83-90   | 4.3  | 95  |
| 168 | CrossTalk opposing view: Weighing the evidence for class A GPCR dimers, the jury is still out. <i>Journal of Physiology</i> , <b>2014</b> , 592, 2443-5   | 3.9  | 63  |
| 167 | A new mechanism of allostery in a G protein-coupled receptor dimer. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 745-52   | 11.7 | 95  |
| 166 | The atypical antidepressant and neurorestorative agent tianeptine is a $\mu$ opioid receptor agonist. <i>Translational Psychiatry</i> , <b>2014</b> , 4, e411   | 8.6  | 74  |
| 165 | Discovery and characterization of a G protein-biased agonist that inhibits $\beta$ arrestin recruitment to the D2 dopamine receptor. <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 96-105   | 4.3  | 59  |
| 164 | PIP2 regulates psychostimulant behaviors through its interaction with a membrane protein. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 582-589  | 11.7 | 83  |
| 163 | Mutation of three residues in the third intracellular loop of the dopamine D2 receptor creates an internalization-defective receptor. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 33663-75                                      | 5.4  | 24  |
| 162 | Conformational dynamics of ligand-dependent alternating access in LeuT. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 472-9  | 17.6 | 102 |
| 161 | Cross-Talk between G Protein-Coupled Receptors: Challenges of Distinguishing Upstream from Downstream Mechanisms <b>2014</b> , 93-94  |      |     |
| 160 | Rebuttal from Nevin A. Lambert and Jonathan A. Javitch. <i>Journal of Physiology</i> , <b>2014</b> , 592, 2449  | 3.9  | 12  |
| 159 | Conformational changes in dopamine transporter intracellular regions upon cocaine binding and dopamine translocation. <i>Neurochemistry International</i> , <b>2014</b> , 73, 4-15  | 4.4  | 10  |
| 158 | Dopamine receptor activation increases HIV entry into primary human macrophages. <i>PLoS ONE</i> , <b>2014</b> , 9, e108232   | 3.7  | 45  |
| 157 | Towards Better Understanding of G(s) Coupling in Catecholamine Receptors <b>2014</b> , 89-90  |      |     |

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| 156 | The Membrane-Raft Protein Flotillin-1 is Essential in Dopamine Neurons for Amphetamine-Induced Behavior in <i>Drosophila</i> <b>2014</b> , 58   |      |     |
| 155 | Deciphering the Functionally Selective Properties of D2R Ligands <b>2014</b> , 110  |      |     |
| 154 | High-Throughput Screening for Modulators of the D2 Dopamine Receptor Yields Unique and Selective Pharmacological Chemotypes <b>2014</b> , 115   |      |     |
| 153 | The membrane protein LeuT in micellar systems: aggregation dynamics and detergent binding to the S2 site. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14266-75   | 16.4 | 29  |
| 152 | Discovery of a novel selective kappa-opioid receptor agonist using crystal structure-based virtual screening. <i>Journal of Chemical Information and Modeling</i> , <b>2013</b> , 53, 521-6                                       | 6.1  | 54  |
| 151 | Increasing dopamine D2 receptor expression in the adult nucleus accumbens enhances motivation. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 1025-33  | 15.1 | 137 |
| 150 | Segregation of family A G protein-coupled receptor protomers in the plasma membrane. <i>Molecular Pharmacology</i> , <b>2013</b> , 84, 346-52   | 4.3  | 25  |
| 149 | Chloride binding site of neurotransmitter sodium symporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 8489-94  | 11.5 | 65  |
| 148 | A single glycine in extracellular loop 1 is the critical determinant for pharmacological specificity of dopamine D2 and D3 receptors. <i>Molecular Pharmacology</i> , <b>2013</b> , 84, 854-64                                    | 4.3  | 45  |
| 147 | Sensing conformational changes in metabotropic glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5742-3  | 11.5 | 1   |
| 146 | Getting to grips with ammonium. <i>ELife</i> , <b>2013</b> , 2, e01029  | 8.9  | 1   |
| 145 | Imaging the high-affinity state of the dopamine D2 receptor in vivo: fact or fiction?. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 193-8  | 6    | 51  |
| 144 | Dopamine-mediated autocrine inhibitory circuit regulating human insulin secretion in vitro. <i>Molecular Endocrinology</i> , <b>2012</b> , 26, 1757-72  |      | 61  |
| 143 | Experimental conditions can obscure the second high-affinity site in LeuT. <i>Nature Structural and Molecular Biology</i> , <b>2012</b> , 19, 207-11  | 17.6 | 82  |
| 142 | Yohimbine depresses excitatory transmission in BNST and impairs extinction of cocaine place preference through orexin-dependent, norepinephrine-independent processes. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 2253-66 | 8.7  | 28  |
| 141 | Structure and functional interaction of the extracellular domain of human GABA(B) receptor GBR2. <i>Nature Neuroscience</i> , <b>2012</b> , 15, 970-8   | 25.5 | 53  |
| 140 | Molecular determinants of selectivity and efficacy at the dopamine D3 receptor. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 6689-99   | 8.3  | 131 |
| 139 | 6PGuanidinonaltrindole (6PGNTI) is a G protein-biased $\mu$ opioid receptor agonist that inhibits arrestin recruitment. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 27050-4                                       | 5.4  | 82  |



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| 138 | Cyanine fluorophore derivatives with enhanced photostability. <i>Nature Methods</i> , <b>2011</b> , 9, 68-71   | 21.6 | 203 |
| 137 | CODA-RET reveals functional selectivity as a result of GPCR heteromerization. <i>Nature Chemical Biology</i> , <b>2011</b> , 7, 624-30   | 11.7 | 92  |
| 136 | Making structural sense of dimerization interfaces of delta opioid receptor homodimers. <i>Biochemistry</i> , <b>2011</b> , 50, 1682-90  | 3.2  | 66  |
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| 7  | Uptake of MPP(+) by dopamine neurons explains selectivity of parkinsonism-inducing neurotoxin, MPTP. <i>European Journal of Pharmacology</i> , <b>1984</b> , 106, 455-6   | 5.3  | 242  |
| 6  | [3H]mazindol binding associated with neuronal dopamine uptake sites in corpus striatum membranes. <i>European Journal of Pharmacology</i> , <b>1983</b> , 90, 461-2   | 5.3  | 84   |
| 5  | Substituted Cysteine Accessibility Method (SCAM)229-250   |      |      |
| 4  | Distinct antagonist-bound inactive states underlie the divergence in the structures of the dopamine D2 and D3 receptors   |      | 1    |
| 3  | A novel luminescence-based $\beta$ arrestin membrane recruitment assay for unmodified GPCRs   |      | 1    |
| 2  | Dopamine D2 receptors modulate the cholinergic pause and inhibitory learning  |      | 2    |
| 1  | Novel Class of Psychedelic Iboga Alkaloids Disrupts Opioid Addiction States   |      | 1    |