

# Jonathan A Javitch

## List of Publications by Year in descending order

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266  
papers

26,351  
citations

3530

90  
h-index

7348

152  
g-index

307  
all docs

307  
docs citations

307  
times ranked

17714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parkinsonism-inducing neurotoxin, N-methyl-4-phenyl-1,2,3,6 -tetrahydropyridine: uptake of the metabolite N-methyl-4-phenylpyridine by dopamine neurons explains selective toxicity.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 2173-2177.	7.1	1,138
2	Structure of the Human Dopamine D3 Receptor in Complex with a D2/D3 Selective Antagonist. Science, 2010, 330, 1091-1095.	12.6	1,034
3	Functional Selectivity and Classical Concepts of Quantitative Pharmacology. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 1-13.	2.5	997
4	Activation of the $\beta_2$ -Adrenergic Receptor Involves Disruption of an Ionic Lock between the Cytoplasmic Ends of Transmembrane Segments 3 and 6. Journal of Biological Chemistry, 2001, 276, 29171-29177.	3.4	566
5	Structural Mimicry in G Protein-Coupled Receptors: Implications of the High-Resolution Structure of Rhodopsin for Structure-Function Analysis of Rhodopsin-Like Receptors. Molecular Pharmacology, 2001, 60, 1-19.	2.3	432
6	The Mechanism of a Neurotransmitter:Sodium Symporter's Inward Release of Na <sup>+</sup> and Substrate Is Triggered by Substrate in a Second Binding Site. Molecular Cell, 2008, 30, 667-677.	9.7	352
7	Building a new conceptual framework for receptor heteromers. Nature Chemical Biology, 2009, 5, 131-134.	8.0	349
8	Amphetamine-induced loss of human dopamine transporter activity: An internalization-dependent and cocaine-sensitive mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6850-6855.	7.1	346
9	$\beta_2$ Adrenergic Receptor Activation. Journal of Biological Chemistry, 2002, 277, 40989-40996.	3.4	339
10	Allosteric communication between protomers of dopamine class A GPCR dimers modulates activation. Nature Chemical Biology, 2009, 5, 688-695.	8.0	323
11	Treatment resistant depression: A multi-scale, systems biology approach. Neuroscience and Biobehavioral Reviews, 2018, 84, 272-288.	6.1	319
12	THE BINDING SITE OF AMINERGIC G PROTEIN-COUPLED RECEPTORS: The Transmembrane Segments and Second Extracellular Loop. Annual Review of Pharmacology and Toxicology, 2002, 42, 437-467.	9.4	318
13	Discovery of $\beta_2$ -Arrestin-Biased Dopamine D <sub>2</sub> Ligands for Probing Signal Transduction Pathways Essential for Antipsychotic Efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18488-18493.	7.1	312
14	Time-resolved FRET between GPCR ligands reveals oligomers in native tissues. Nature Chemical Biology, 2010, 6, 587-594.	8.0	306
15	Dopamine D2 receptors form higher order oligomers at physiological expression levels. EMBO Journal, 2008, 27, 2293-2304.	7.8	305
16	The binding sites for cocaine and dopamine in the dopamine transporter overlap. Nature Neuroscience, 2008, 11, 780-789.	14.8	304
17	From The Cover: Crosstalk in G protein-coupled receptors: Changes at the transmembrane homodimer interface determine activation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17495-17500.	7.1	277
18	Substrate-modulated gating dynamics in a Na <sup>+</sup> -coupled neurotransmitter transporter homologue. Nature, 2011, 474, 109-113.	27.8	276

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19	International Union of Basic and Clinical Pharmacology. LXVII. Recommendations for the Recognition and Nomenclature of G Protein-Coupled Receptor Heteromultimers. <i>Pharmacological Reviews</i> , 2007, 59, 5-13.	16.0	274
20	The role of kinetic context in apparent biased agonism at GPCRs. <i>Nature Communications</i> , 2016, 7, 10842.	12.8	270
21	Cyanine fluorophore derivatives with enhanced photostability. <i>Nature Methods</i> , 2012, 9, 68-71.	19.0	269
22	Uptake of MPP(+) by dopamine neurons explains selectivity of parkinsonism-inducing neurotoxin, MPTP. <i>European Journal of Pharmacology</i> , 1984, 106, 455-456.	3.5	265
23	Single-molecule analysis of ligand efficacy in $\beta$ 2AR G-protein activation. <i>Nature</i> , 2017, 547, 68-73.	27.8	265
24	The Fourth Transmembrane Segment Forms the Interface of the Dopamine D2 Receptor Homodimer. <i>Journal of Biological Chemistry</i> , 2003, 278, 4385-4388.	3.4	257
25	Roles of the Akt/GSK-3 and Wnt Signaling Pathways in Schizophrenia and Antipsychotic Drug Action. <i>American Journal of Psychiatry</i> , 2010, 167, 388-396.	7.2	254
26	A Comprehensive Structure-Based Alignment of Prokaryotic and Eukaryotic Neurotransmitter/Na <sup>+</sup> Symporters (NSS) Aids in the Use of the LeuT Structure to Probe NSS Structure and Function. <i>Molecular Pharmacology</i> , 2006, 70, 1630-1642.	2.3	248
27	Amphetamine induces dopamine efflux through a dopamine transporter channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3495-3500.	7.1	246
28	The Behavioral Effects of the Antidepressant Tianeptine Require the Mu-Opioid Receptor. <i>Neuropsychopharmacology</i> , 2017, 42, 2052-2063.	5.4	240
29	Mitogen-Activated Protein Kinase Regulates Dopamine Transporter Surface Expression and Dopamine Transport Capacity. <i>Journal of Neuroscience</i> , 2003, 23, 8480-8488.	3.6	239
30	Single-molecule dynamics of gating in a neurotransmitter transporter homologue. <i>Nature</i> , 2010, 465, 188-193.	27.8	239
31	Synthetic and Receptor Signaling Explorations of the <i>Mitragyna</i> Alkaloids: Mitragynine as an Atypical Molecular Framework for Opioid Receptor Modulators. <i>Journal of the American Chemical Society</i> , 2016, 138, 6754-6764.	13.7	233
32	Detection of antigen interactions ex vivo by proximity ligation assay: endogenous dopamine D2-adenosine A2A receptor complexes in the striatum. <i>BioTechniques</i> , 2011, 51, 111-118.	1.8	230
33	N-Terminal Phosphorylation of the Dopamine Transporter Is Required for Amphetamine-Induced Efflux. <i>PLoS Biology</i> , 2004, 2, e78.	5.6	221
34	Mutation of a Highly Conserved Aspartic Acid in the $\beta$ 2-Adrenergic Receptor: Constitutive Activation, Structural Instability, and Conformational Rearrangement of Transmembrane Segment 6. <i>Molecular Pharmacology</i> , 1999, 56, 175-184.	2.3	214
35	Mechanism of chloride interaction with neurotransmitter:sodium symporters. <i>Nature</i> , 2007, 449, 726-730.	27.8	212
36	The second extracellular loop of the dopamine D2 receptor lines the binding-site crevice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 440-445.	7.1	210

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37	Calmodulin Kinase II Interacts with the Dopamine Transporter C Terminus to Regulate Amphetamine-Induced Reverse Transport. <i>Neuron</i> , 2006, 51, 417-429.	8.1	197
38	Symmetrical dimer of the human dopamine transporter revealed by cross-linking Cys-306 at the extracellular end of the sixth transmembrane segment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10055-10060.	7.1	187
39	PI 3-kinase regulation of dopamine uptake. <i>Journal of Neurochemistry</i> , 2002, 81, 859-869.	3.9	186
40	Binding of an octylglucoside detergent molecule in the second substrate (S2) site of LeuT establishes an inhibitor-bound conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5563-5568.	7.1	184
41	Constitutive Activation of the $\beta_2$ Adrenergic Receptor Alters the Orientation of Its Sixth Membrane-spanning Segment. <i>Journal of Biological Chemistry</i> , 1997, 272, 18546-18549.	3.4	183
42	The organic cation transporter-3 is a pivotal modulator of neurodegeneration in the nigrostriatal dopaminergic pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8043-8048.	7.1	183
43	Ion/substrate-dependent conformational dynamics of a bacterial homolog of neurotransmitter:sodium symporters. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 822-829.	8.2	183
44	D2 Receptors Regulate Dopamine Transporter Function via an Extracellular Signal-Regulated Kinases 1 and 2-Dependent and Phosphoinositide 3 Kinase-Independent Mechanism. <i>Molecular Pharmacology</i> , 2007, 71, 1222-1232.	2.3	182
45	Mapping the binding-site crevice of the dopamine D2 receptor by the substituted-cysteine accessibility method. <i>Neuron</i> , 1995, 14, 825-831.	8.1	179
46	Flotillin-1 is essential for PKC-triggered endocytosis and membrane microdomain localization of DAT. <i>Nature Neuroscience</i> , 2011, 14, 469-477.	14.8	177
47	Reaction of oxidized dopamine with endogenous cysteine residues in the human dopamine transporter. <i>Journal of Neurochemistry</i> , 2001, 76, 1242-1251.	3.9	175
48	Amphetamine-induced Dopamine Efflux. <i>Journal of Biological Chemistry</i> , 2003, 278, 12070-12077.	3.4	174
49	The Forgotten Serine. <i>Journal of Biological Chemistry</i> , 2000, 275, 37779-37788.	3.4	172
50	Monitoring the function of membrane transport proteins in detergent-solubilized form. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3603-3608.	7.1	172
51	Amphetamine and Methamphetamine Differentially Affect Dopamine Transporters in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2009, 284, 2978-2989.	3.4	168
52	A Cluster of Aromatic Residues in the Sixth Membrane-Spanning Segment of the Dopamine D2 Receptor Is Accessible in the Binding-Site Crevice. <i>Biochemistry</i> , 1998, 37, 998-1006.	2.5	165
53	Increasing dopamine D2 receptor expression in the adult nucleus accumbens enhances motivation. <i>Molecular Psychiatry</i> , 2013, 18, 1025-1033.	7.9	162
54	Paraquat neurotoxicity is mediated by the dopamine transporter and organic cation transporter-3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20766-20771.	7.1	161

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55	Signaling pathways in schizophrenia: emerging targets and therapeutic strategies. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 381-390.	8.7	159
56	A mechanism for intracellular release of Na <sup>+</sup> by neurotransmitter/sodium symporters. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1006-1012.	8.2	159
57	Cocaine Increases Dopamine Uptake and Cell Surface Expression of Dopamine Transporters. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1545-1550.	2.1	156
58	Molecular Determinants of Selectivity and Efficacy at the Dopamine D3 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6689-6699.	6.4	153
59	N-terminal Truncation of the Dopamine Transporter Abolishes Phorbol Ester- and Substance P Receptor-stimulated Phosphorylation without Impairing Transporter Internalization. <i>Journal of Biological Chemistry</i> , 2003, 278, 4990-5000.	3.4	152
60	Extrapyramidal side effects of antipsychotics are linked to their association kinetics at dopamine D2 receptors. <i>Nature Communications</i> , 2017, 8, 763.	12.8	148
61	Hetero-oligomerization of CCR2, CCR5, and CXCR4 and the Protean Effects of "Selective" Antagonists. <i>Journal of Biological Chemistry</i> , 2009, 284, 31270-31279.	3.4	146
62	Conformational dynamics of ligand-dependent alternating access in LeuT. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 472-479.	8.2	136
63	Akt Is Essential for Insulin Modulation of Amphetamine-Induced Human Dopamine Transporter Cell-Surface Redistribution. <i>Molecular Pharmacology</i> , 2005, 68, 102-109.	2.3	132
64	A cysteine residue in the third membrane-spanning segment of the human D2 dopamine receptor is exposed in the binding-site crevice.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 10355-10359.	7.1	130
65	Cocaine alters the accessibility of endogenous cysteines in putative extracellular and intracellular loops of the human dopamine transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9238-9243.	7.1	124
66	Residues in the Seventh Membrane-Spanning Segment of the Dopamine D2 Receptor Accessible in the Binding-Site Crevice. <i>Biochemistry</i> , 1996, 35, 11278-11285.	2.5	121
67	An Intracellular Interaction Network Regulates Conformational Transitions in the Dopamine Transporter. <i>Journal of Biological Chemistry</i> , 2008, 283, 17691-17701.	3.4	120
68	Crystal structure of a potassium ion transporter, TrkH. <i>Nature</i> , 2011, 471, 336-340.	27.8	120
69	7-Hydroxymitragynine Is an Active Metabolite of Mitragynine and a Key Mediator of Its Analgesic Effects. <i>ACS Central Science</i> , 2019, 5, 992-1001.	11.3	120
70	Sodium-Dependent Neurotransmitter TRANSPORTERS: OLIGOMERIZATION as a Determinant of Transporter Function and Trafficking. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2004, 4, 38-47.	3.4	119
71	Structural mimicry in G protein-coupled receptors: implications of the high-resolution structure of rhodopsin for structure-function analysis of rhodopsin-like receptors. <i>Molecular Pharmacology</i> , 2001, 60, 1-19.	2.3	119
72	Identification of Novel Functionally Selective $\mu$ -Opioid Receptor Scaffolds. <i>Molecular Pharmacology</i> , 2014, 85, 83-90.	2.3	117

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73	Human Immunodeficiency Virus (HIV) Infection of Human Macrophages Is Increased by Dopamine. <i>American Journal of Pathology</i> , 2009, 175, 1148-1159.	3.8	115
74	Syntaxin 1A Interaction with the Dopamine Transporter Promotes Amphetamine-Induced Dopamine Efflux. <i>Molecular Pharmacology</i> , 2008, 74, 1101-1108.	2.3	114
75	The Human Dopamine Transporter Forms a Tetramer in the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 45045-45048.	3.4	109
76	PIP2 regulates psychostimulant behaviors through its interaction with a membrane protein. <i>Nature Chemical Biology</i> , 2014, 10, 582-589.	8.0	109
77	A new mechanism of allostery in a G protein-coupled receptor dimer. <i>Nature Chemical Biology</i> , 2014, 10, 745-752.	8.0	108
78	CODA-RET reveals functional selectivity as a result of GPCR heteromerization. <i>Nature Chemical Biology</i> , 2011, 7, 624-630.	8.0	107
79	The atypical antidepressant and neurorestorative agent tianeptine is a $\mu$ -opioid receptor agonist. <i>Translational Psychiatry</i> , 2014, 4, e411-e411.	4.8	107
80	The Substrate-Driven Transition to an Inward-Facing Conformation in the Functional Mechanism of the Dopamine Transporter. <i>PLoS ONE</i> , 2011, 6, e16350.	2.5	107
81	Residues in the Fifth Membrane-Spanning Segment of the Dopamine D2 Receptor Exposed in the Binding-Site Crevice. <i>Biochemistry</i> , 1995, 34, 16433-16439.	2.5	106
82	Dysregulation of Dopamine Transporters via Dopamine D <sub>2</sub> Autoreceptors Triggers Anomalous Dopamine Efflux Associated with Attention-Deficit Hyperactivity Disorder. <i>Journal of Neuroscience</i> , 2010, 30, 6048-6057.	3.6	105
83	Single-molecule FRET imaging of GPCR dimers in living cells. <i>Nature Methods</i> , 2021, 18, 397-405.	19.0	104
84	Regulation of Dopamine Transporter Function and Cell Surface Expression by D3 Dopamine Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 35842-35854.	3.4	101
85	Evidence against dopamine D1/D2 receptor heteromers. <i>Molecular Psychiatry</i> , 2015, 20, 1373-1385.	7.9	100
86	What Can Crystal Structures of Aminergic Receptors Tell Us about Designing Subtype-Selective Ligands?. <i>Pharmacological Reviews</i> , 2015, 67, 198-213.	16.0	99
87	Mechanisms of amphetamine action illuminated through optical monitoring of dopamine synaptic vesicles in <i>Drosophila</i> brain. <i>Nature Communications</i> , 2016, 7, 10652.	12.8	97
88	[3H]mazindol binding associated with neuronal dopamine uptake sites in corpus striatum membranes. <i>European Journal of Pharmacology</i> , 1983, 90, 461-462.	3.5	96
89	6-Guanidinonaltrindole (6-GNTI) Is a G Protein-biased $\mu$ -Opioid Receptor Agonist That Inhibits Arrestin Recruitment. <i>Journal of Biological Chemistry</i> , 2012, 287, 27050-27054.	3.4	96
90	Antipsychotic drug mechanisms: links between therapeutic effects, metabolic side effects and the insulin signaling pathway. <i>Molecular Psychiatry</i> , 2008, 13, 918-929.	7.9	95

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91	Peroxynitrite Inactivates the Human Dopamine Transporter by Modification of Cysteine 342: Potential Mechanism of Neurotoxicity in Dopamine Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 4399-4405.	3.6	94
92	The Uptake Inhibitors Cocaine and Benztropine Differentially Alter the Conformation of the Human Dopamine Transporter. <i>Journal of Biological Chemistry</i> , 2001, 276, 29012-29018.	3.4	93
93	Dopamine D4/D2 Receptor Selectivity Is Determined by A Divergent Aromatic Microdomain Contained within the Second, Third, and Seventh Membrane-Spanning Segments. <i>Molecular Pharmacology</i> , 1999, 56, 1116-1126.	2.3	92
94	The Ants Go Marching Two by Two: Oligomeric Structure of G-Protein-Coupled Receptors. <i>Molecular Pharmacology</i> , 2004, 66, 1077-1082.	2.3	92
95	Accumbens dopamine D2 receptors increase motivation by decreasing inhibitory transmission to the ventral pallidum. <i>Nature Communications</i> , 2018, 9, 1086.	12.8	92
96	Synergistic Contributions of the Functional Groups of Epinephrine to Its Affinity and Efficacy at the $\beta_2$ Adrenergic Receptor. <i>Molecular Pharmacology</i> , 2004, 65, 1181-1190.	2.3	89
97	Intracellular $Ca^{2+}$ Regulates Amphetamine-Induced Dopamine Efflux and Currents Mediated by the Human Dopamine Transporter. <i>Molecular Pharmacology</i> , 2004, 66, 137-143.	2.3	89
98	State-dependent Conformations of the Translocation Pathway in the Tyrosine Transporter Tyt1, a Novel Neurotransmitter:Sodium Symporter from <i>Fusobacterium nucleatum</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 26444-26454.	3.4	88
99	Characterization of a Functional Bacterial Homologue of Sodium-dependent Neurotransmitter Transporters. <i>Journal of Biological Chemistry</i> , 2003, 278, 12703-12709.	3.4	86
100	Identification of Intracellular Residues in the Dopamine Transporter Critical for Regulation of Transporter Conformation and Cocaine Binding. <i>Journal of Biological Chemistry</i> , 2004, 279, 3228-3238.	3.4	85
101	Amphetamine Regulation of Dopamine Transport. <i>Journal of Biological Chemistry</i> , 2004, 279, 8966-8975.	3.4	85
102	Chloride binding site of neurotransmitter sodium symporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8489-8494.	7.1	85
103	Experimental conditions can obscure the second high-affinity site in LeuT. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 207-211.	8.2	84
104	G Protein-coupled Receptor Kinase-mediated Phosphorylation Regulates Post-endocytic Trafficking of the D2 Dopamine Receptor. <i>Journal of Biological Chemistry</i> , 2009, 284, 15038-15051.	3.4	83
105	Dual agonist occupancy of AT1-R&#x2014;2C-AR heterodimers results in atypical Gs-PKA signaling. <i>Nature Chemical Biology</i> , 2015, 11, 271-279.	8.0	83
106	Surface Targeting of the Dopamine Transporter Involves Discrete Epitopes in the Distal C Terminus But Does Not Require Canonical PDZ Domain Interactions. <i>Journal of Neuroscience</i> , 2004, 24, 7024-7036.	3.6	82
107	Crystal structure of a phosphorylation-coupled saccharide transporter. <i>Nature</i> , 2011, 473, 50-54.	27.8	77
108	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. <i>Bioinformatics</i> , 2010, 26, 1804-1805.	4.1	74



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109	Dopamine-Mediated Autocrine Inhibitory Circuit Regulating Human Insulin Secretion in Vitro. <i>Molecular Endocrinology</i> , 2012, 26, 1757-1772.	3.7	74
110	CrossTalk opposing view: Weighing the evidence for class AA GPCR dimers, the jury is still out. <i>Journal of Physiology</i> , 2014, 592, 2443-2445.	2.9	74
111	Discovery and Characterization of a G Protein-Biased Agonist That Inhibits $\beta^2$ -Arrestin Recruitment to the D2 Dopamine Receptor. <i>Molecular Pharmacology</i> , 2014, 86, 96-105.	2.3	74
112	Impact of D2 Receptor Internalization on Binding Affinity of Neuroimaging Radiotracers. <i>Neuropsychopharmacology</i> , 2010, 35, 806-817.	5.4	71
113	Electrostatic and Aromatic Microdomains within the Binding-Site Crevice of the D2 Receptor: Contributions of the Second Membrane-Spanning Segment. <i>Biochemistry</i> , 1999, 38, 7961-7968.	2.5	70
114	Recruitment of $\beta^2$ -arrestin2 to the dopamine D2 receptor: Insights into anti-psychotic and anti-parkinsonian drug receptor signaling. <i>Neuropharmacology</i> , 2008, 54, 1215-1222.	4.1	70
115	Making Structural Sense of Dimerization Interfaces of Delta Opioid Receptor Homodimers. <i>Biochemistry</i> , 2011, 50, 1682-1690.	2.5	70
116	Neuronal Depolarization Drives Increased Dopamine Synaptic Vesicle Loading via VGLUT. <i>Neuron</i> , 2017, 95, 1074-1088.e7.	8.1	69
117	G Protein-coupled Receptor Kinase-2 Constitutively Regulates D2 Dopamine Receptor Expression and Signaling Independently of Receptor Phosphorylation. <i>Journal of Biological Chemistry</i> , 2009, 284, 34103-34115.	3.4	67
118	Regulation of Dopamine Transporter Trafficking by Intracellular Amphetamine. <i>Molecular Pharmacology</i> , 2006, 70, 542-548.	2.3	66
119	The Fourth Transmembrane Segment of the Dopamine D2 Receptor: Accessibility in the Binding-Site Crevice and Position in the Transmembrane Bundle. <i>Biochemistry</i> , 2000, 39, 12190-12199.	2.5	65
120	Optical Control of Dopamine Receptors Using a Photoswitchable Tethered Inverse Agonist. <i>Journal of the American Chemical Society</i> , 2017, 139, 18522-18535.	13.7	63
121	Dopamine Receptor Activation Increases HIV Entry into Primary Human Macrophages. <i>PLoS ONE</i> , 2014, 9, e108232.	2.5	63
122	Currents in Response to Rapid Concentration Jumps of Amphetamine Uncover Novel Aspects of Human Dopamine Transporter Function. <i>Journal of Neuroscience</i> , 2008, 28, 976-989.	3.6	61
123	A Juxtamembrane Mutation in the N Terminus of the Dopamine Transporter Induces Preference for an Inward-Facing Conformation. <i>Molecular Pharmacology</i> , 2009, 75, 514-524.	2.3	61
124	Structure and functional interaction of the extracellular domain of human GABAB receptor GBR2. <i>Nature Neuroscience</i> , 2012, 15, 970-978.	14.8	61
125	The First Transmembrane Segment of the Dopamine D2 Receptor: Accessibility in the Binding-Site Crevice and Position in the Transmembrane Bundle. <i>Biochemistry</i> , 2001, 40, 12339-12348.	2.5	60
126	Substrate-dependent proton antiport in neurotransmitter:sodium symporters. <i>Nature Chemical Biology</i> , 2010, 6, 109-116.	8.0	59



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127	Imaging the high-affinity state of the dopamine D2 receptor in vivo: Fact or fiction?. <i>Biochemical Pharmacology</i> , 2012, 83, 193-198.	4.4	59
128	Structure of human GABAB receptor in an inactive state. <i>Nature</i> , 2020, 584, 304-309.	27.8	59
129	Discovery of a Novel Selective Kappa-Opioid Receptor Agonist Using Crystal Structure-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 521-526.	5.4	58
130	A Single Glycine in Extracellular Loop 1 Is the Critical Determinant for Pharmacological Specificity of Dopamine D2 and D3 Receptors. <i>Molecular Pharmacology</i> , 2013, 84, 854-864.	2.3	58
131	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> , 2015, 290, 13992-14003.	3.4	58
132	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. <i>Chemical Science</i> , 2017, 8, 755-762.	7.4	58
133	Cannabinoid CB1 and CB2 Receptor-Mediated Arrestin Translocation: Species, Subtype, and Agonist-Dependence. <i>Frontiers in Pharmacology</i> , 2019, 10, 350.	3.5	58
134	The Tetrahydroisoquinoline Derivative SB269,652 Is an Allosteric Antagonist at Dopamine D <sub>3</sub> and D <sub>2</sub> Receptors. <i>Molecular Pharmacology</i> , 2010, 78, 925-934.	2.3	57
135	Mechanisms of inverse agonism of antipsychotic drugs at the D2 dopamine receptor: use of a mutant D2 dopamine receptor that adopts the activated conformation. <i>Journal of Neurochemistry</i> , 2001, 77, 493-504.	3.9	56
136	Presynaptic Regulation of Dopamine Transmission in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 108-117.	4.3	56
137	Transport-dependent Accessibility of a Cytoplasmic Loop Cysteine in the Human Dopamine Transporter. <i>Journal of Biological Chemistry</i> , 2000, 275, 1608-1614.	3.4	55
138	New roles for dopamine D2 and D3 receptors in pancreatic beta cell insulin secretion. <i>Molecular Psychiatry</i> , 2020, 25, 2070-2085.	7.9	55
139	Arrestin recruitment to dopamine D2 receptor mediates locomotion but not incentive motivation. <i>Molecular Psychiatry</i> , 2020, 25, 2086-2100.	7.9	55
140	Use of the substituted cysteine accessibility method to study the structure and function of G protein-coupled receptors. <i>Methods in Enzymology</i> , 2002, 343, 137-156.	1.0	53
141	Regional Heterogeneity of D2-Receptor Signaling in the Dorsal Striatum and Nucleus Accumbens. <i>Neuron</i> , 2018, 98, 575-587.e4.	8.1	52
142	Genetically Targeted Optical Control of an Endogenous G Protein-Coupled Receptor. <i>Journal of the American Chemical Society</i> , 2019, 141, 11522-11530.	13.7	51
143	Cortical overgrowth in a preclinical forebrain organoid model of CNTNAP2-associated autism spectrum disorder. <i>Nature Communications</i> , 2021, 12, 4087.	12.8	51
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