

Jonathan A Javitch

List of Publications by Year in descending order

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266
papers

26,351
citations

4103

90
h-index

8433

152
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307
all docs

307
docs citations

307
times ranked

19631
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of the Dopamine Transporter in the Effects of Amphetamine on Sleep and Sleep Architecture in <i>Drosophila</i> . <i>Neurochemical Research</i> , 2022, 47, 177-189.	1.6	6
2	Dopamine D1R Receptor Stimulation as a Mechanistic Pro-cognitive Target for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 199-210.	2.3	11
3	How changes in dopamine D2 receptor levels alter striatal circuit function and motivation. <i>Molecular Psychiatry</i> , 2022, 27, 436-444.	4.1	21
4	Mu opioid receptors on hippocampal GABAergic interneurons are critical for the antidepressant effects of tianeptine. <i>Neuropsychopharmacology</i> , 2022, 47, 1387-1397.	2.8	12
5	Dopamine D2 receptors modulate the cholinergic pause and inhibitory learning. <i>Molecular Psychiatry</i> , 2022, 27, 1502-1514.	4.1	18
6	Delineating the interactions between the cannabinoid CB ₂ receptor and its regulatory effectors; β -arrestins and GPCR kinases. <i>British Journal of Pharmacology</i> , 2022, 179, 2223-2239.	2.7	8
7	Functional Genomic Analysis of Amphetamine Sensitivity in <i>Drosophila</i> . <i>Frontiers in Psychiatry</i> , 2022, 13, 831597.	1.3	1
8	The respiratory depressant effects of mitragynine are limited by its conversion to 7-OH mitragynine. <i>British Journal of Pharmacology</i> , 2022, 179, 3875-3885.	2.7	10
9	OZITX, a pertussis toxin-like protein for occluding inhibitory G protein signalling including G β z. <i>Communications Biology</i> , 2022, 5, 256.	2.0	7
10	GPCR-mediated β -arrestin activation deconvoluted with single-molecule precision. <i>Cell</i> , 2022, 185, 1661-1675.e16.	13.5	43
11	Illness Phase as a Key Assessment and Intervention Window for Psychosis. <i>Biological Psychiatry Global Open Science</i> , 2022, , .	1.0	0
12	Dopamine D2 receptor overexpression in the nucleus accumbens core induces robust weight loss during scheduled fasting selectively in female mice. <i>Molecular Psychiatry</i> , 2021, 26, 3765-3777.	4.1	35
13	Crystal structures of LeuT reveal conformational dynamics in the outward-facing states. <i>Journal of Biological Chemistry</i> , 2021, 296, 100609.	1.6	10
14	Controlling opioid receptor functional selectivity by targeting distinct subpockets of the orthosteric site. <i>eLife</i> , 2021, 10, .	2.8	40
15	Single-molecule FRET imaging of GPCR dimers in living cells. <i>Nature Methods</i> , 2021, 18, 397-405.	9.0	104
16	Input-specific regulation of glutamatergic synaptic transmission in the medial prefrontal cortex by mGlu ₂ /mGlu ₄ receptor heterodimers. <i>Science Signaling</i> , 2021, 14, .	1.6	14
17	New phosphosite-specific antibodies to unravel the role of GRK phosphorylation in dopamine D2 receptor regulation and signaling. <i>Scientific Reports</i> , 2021, 11, 8288.	1.6	19
18	Site selective C ¹⁴ H functionalization of Mitragyna alkaloids reveals a molecular switch for tuning opioid receptor signaling efficacy. <i>Nature Communications</i> , 2021, 12, 3858.	5.8	25

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19	A Novel Mitragynine Analog with Low-Efficacy Mu Opioid Receptor Agonism Displays Antinociception with Attenuated Adverse Effects. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13873-13892.	2.9	33
20	Encephalopathy-causing mutations in GÎ21 (GNB1) alter regulation of neuronal GIRK channels. <i>IScience</i> , 2021, 24, 103018.	1.9	4
21	Cortical overgrowth in a preclinical forebrain organoid model of CNTNAP2-associated autism spectrum disorder. <i>Nature Communications</i> , 2021, 12, 4087.	5.8	51
22	A novel luminescence-based Î2-arrestin recruitment assay for unmodified receptors. <i>Journal of Biological Chemistry</i> , 2021, 296, 100503.	1.6	12
23	Disrupting D1-NMDA or D2-NMDA receptor heteromerization prevents cocaineâ€™s rewarding effects but preserves natural reward processing. <i>Science Advances</i> , 2021, 7, eabg5970.	4.7	16
24	Assays for detecting arrestin interaction with GPCRs. <i>Methods in Cell Biology</i> , 2021, 166, 43-65.	0.5	3
25	A nonâ€helical region in transmembrane helix 6 of hydrophobic amino acid transporter MhsT mediates substrate recognition. <i>EMBO Journal</i> , 2021, 40, e105164.	3.5	18
26	Tianeptine, but not fluoxetine, decreases avoidant behavior in a mouse model of early developmental exposure to fluoxetine. <i>Scientific Reports</i> , 2021, 11, 22852.	1.6	2
27	New roles for dopamine D2 and D3 receptors in pancreatic beta cell insulin secretion. <i>Molecular Psychiatry</i> , 2020, 25, 2070-2085.	4.1	55
28	Come Fly with Me: An overview of dopamine receptors in <i>Drosophila melanogaster</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 126, 56-65.	1.2	38
29	Arrestin recruitment to dopamine D2 receptor mediates locomotion but not incentive motivation. <i>Molecular Psychiatry</i> , 2020, 25, 2086-2100.	4.1	55
30	Detecting G protein-coupled receptor complexes in postmortem human brain with proximity ligation assay and a Bayesian classifier. <i>BioTechniques</i> , 2020, 68, 122-129.	0.8	9
31	Measuring the effects of ketamine on mGluR5 using [¹⁸ F]FPEB and PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2254-2264.	2.4	13
32	G12/13 is activated by acute tethered agonist exposure in the adhesion GPCR ADGRL3. <i>Nature Chemical Biology</i> , 2020, 16, 1343-1350.	3.9	41
33	Novel Fluorescent Ligands Enable Single-Molecule Localization Microscopy of the Dopamine Transporter. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3288-3300.	1.7	12
34	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> , 2020, 117, 24305-24315.	3.3	35
35	Agonist-induced formation of unproductive receptor-G ₁₂ complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21723-21730.	3.3	35
36	Structure of human GABAB receptor in an inactive state. <i>Nature</i> , 2020, 584, 304-309.	13.7	59

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37	Small Flies Meet Big Data: Genetic Convergence of Neurodevelopmental Disorders Modeled in <i>Drosophila</i> . <i>American Journal of Psychiatry</i> , 2020, 177, 482-484.	4.0	6
38	X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. <i>Nature Communications</i> , 2020, 11, 1005.	5.8	34
39	Signalling profiles of a structurally diverse panel of synthetic cannabinoid receptor agonists. <i>Biochemical Pharmacology</i> , 2020, 175, 113871.	2.0	35
40	Detection of G Protein-Coupled Receptor Complexes in Postmortem Human Brain by Proximity Ligation Assay. <i>Current Protocols in Neuroscience</i> , 2020, 91, e86.	2.6	5
41	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , 2020, 6, eaay9572.	4.7	42
42	Synthesis and pharmacological evaluation of bivalent tethered ligands to target the mGlu2/4 heterodimeric receptor results in a compound with mGlu2/2 homodimer selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127212.	1.0	3
43	Distinct inactive conformations of the dopamine D2 and D3 receptors correspond to different extents of inverse agonism. <i>ELife</i> , 2020, 9, .	2.8	31
44	Molecular Determinants of the Intrinsic Efficacy of the Antipsychotic Aripiprazole. <i>ACS Chemical Biology</i> , 2019, 14, 1780-1792.	1.6	19
45	Do Toxic Synthetic Cannabinoid Receptor Agonists Have Signature in Vitro Activity Profiles? A Case Study of AMB-FUBINACA. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4350-4360.	1.7	39
46	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> , 2019, 294, 5604-5615.	1.6	18
47	Genetically Targeted Optical Control of an Endogenous G Protein-Coupled Receptor. <i>Journal of the American Chemical Society</i> , 2019, 141, 11522-11530.	6.6	51
48	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.	5.3	120
49	Cannabinoid CB1 and CB2 Receptor-Mediated Arrestin Translocation: Species, Subtype, and Agonist-Dependence. <i>Frontiers in Pharmacology</i> , 2019, 10, 350.	1.6	58
50	Quantifying secondary transport at single-molecule resolution. <i>Nature</i> , 2019, 575, 528-534.	13.7	37
51	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> , 2019, 116, 15947-15956.	3.3	23
52	Role of Tau Protein in Remodeling of Circadian Neuronal Circuits and Sleep. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 320.	1.7	26
53	Regional Heterogeneity of D2-Receptor Signaling in the Dorsal Striatum and Nucleus Accumbens. <i>Neuron</i> , 2018, 98, 575-587.e4.	3.8	52
54	Gs-Aversus Golf-dependent functional selectivity mediated by the dopamine D1 receptor. <i>Nature Communications</i> , 2018, 9, 486.	5.8	38

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55	A partially-open inward-facing intermediate conformation of LeuT is associated with Na ⁺ release and substrate transport. <i>Nature Communications</i> , 2018, 9, 230.	5.8	40
56	Phosphorylation of the Amino Terminus of the Dopamine Transporter: Regulatory Mechanisms and Implications for Amphetamine Action. <i>Advances in Pharmacology</i> , 2018, 82, 205-234.	1.2	13
57	The action of a negative allosteric modulator at the dopamine D2 receptor is dependent upon sodium ions. <i>Scientific Reports</i> , 2018, 8, 1208.	1.6	16
58	The structural determinants of the bitopic binding mode of a negative allosteric modulator of the dopamine D2 receptor. <i>Biochemical Pharmacology</i> , 2018, 148, 315-328.	2.0	26
59	Accumbens dopamine D2 receptors increase motivation by decreasing inhibitory transmission to the ventral pallidum. <i>Nature Communications</i> , 2018, 9, 1086.	5.8	92
60	Treatment resistant depression: A multi-scale, systems biology approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 272-288.	2.9	319
61	Reply to "Antipsychotics with similar association kinetics at dopamine D2 receptors differ in extrapyramidal side-effects". <i>Nature Communications</i> , 2018, 9, 3568.	5.8	2
62	Exploring Substrate Binding in the Extracellular Vestibule of MhsT by Atomistic Simulations and Markov Models. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 1244-1252.	2.5	4
63	Luciferase complementation based-detection of G-protein-coupled receptor activity. <i>BioTechniques</i> , 2018, 65, 9-14.	0.8	12
64	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> , 2018, 115, E7924-E7931.	3.3	21
65	The E2.65A mutation disrupts dynamic binding poses of SB269652 at the dopamine D2 and D3 receptors. <i>PLoS Computational Biology</i> , 2018, 14, e1005948.	1.5	19
66	Potentiating SLC transporter activity: Emerging drug discovery opportunities. <i>Biochemical Pharmacology</i> , 2017, 135, 1-11.	2.0	47
67	Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 449-456.	1.1	47
68	Phospho-specific antibodies targeting the amino terminus of the human dopamine transporter. <i>Journal of Chemical Neuroanatomy</i> , 2017, 83-84, 91-98.	1.0	7
69	Single-molecule analysis of ligand efficacy in $\hat{2}2AR$ G-protein activation. <i>Nature</i> , 2017, 547, 68-73.	13.7	265
70	The role of transmembrane segment 5 (TM5) in Na ⁺ release and the conformational transition of neurotransmitter:sodium symporters toward the inward-open state. <i>Journal of Biological Chemistry</i> , 2017, 292, 7372-7384.	1.6	21
71	The Behavioral Effects of the Antidepressant Tianeptine Require the Mu-Opioid Receptor. <i>Neuropsychopharmacology</i> , 2017, 42, 2052-2063.	2.8	240
72	Toward Understanding the Structural Basis of Partial Agonism at the Dopamine D ₃ Receptor. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 580-593.	2.9	49

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73	Extrapyramidal side effects of antipsychotics are linked to their association kinetics at dopamine D2 receptors. <i>Nature Communications</i> , 2017, 8, 763.	5.8	148
74	Development of novel biosensors to study receptor-mediated activation of the G-protein $\hat{\pm}$ subunits Gs and Golf. <i>Journal of Biological Chemistry</i> , 2017, 292, 19989-19998.	1.6	14
75	Extreme Vetting of Dopamine Receptor Oligomerization. , 2017, , 99-127.		3
76	Neuronal Depolarization Drives Increased Dopamine Synaptic Vesicle Loading via VGLUT. <i>Neuron</i> , 2017, 95, 1074-1088.e7.	3.8	69
77	Optical Control of Dopamine Receptors Using a Photoswitchable Tethered Inverse Agonist. <i>Journal of the American Chemical Society</i> , 2017, 139, 18522-18535.	6.6	63
78	In vivo variation in same-day estimates of metabotropic glutamate receptor subtype 5 binding using [¹¹ C]ABP688 and [¹⁸ F]FPEB. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2716-2727.	2.4	49
79	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. <i>Chemical Science</i> , 2017, 8, 755-762.	3.7	58
80	Dopamine D2 Receptors in the Paraventricular Thalamus Attenuate Cocaine Locomotor Sensitization. <i>ENeuro</i> , 2017, 4, ENEURO.0227-17.2017.	0.9	37
81	Novel Analogues of (<i>R</i>)-5-(Methylamino)-5,6-dihydro-4 <i>H</i> -imidazo[4,5,1- <i>ij</i>]quinolin-2(1 <i>H</i>)-one (Sumanitrole) Provide Clues to Dopamine D ₂ /D ₃ Receptor Agonist Selectivity. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2973-2988.	2.9	33
82	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.	6.6	233
83	Mechanisms of amphetamine action illuminated through optical monitoring of dopamine synaptic vesicles in <i>Drosophila</i> brain. <i>Nature Communications</i> , 2016, 7, 10652.	5.8	97
84	Conformational Dynamics on the Extracellular Side of LeuT Controlled by Na ⁺ and K ⁺ Ions and the Protonation State of Glu290. <i>Journal of Biological Chemistry</i> , 2016, 291, 19786-19799.	1.6	22
85	Development and Antiparkinsonian Activity of VU0418506, a Selective Positive Allosteric Modulator of Metabotropic Glutamate Receptor 4 Homomers without Activity at mGlu _{2/4} Heteromers. <i>ACS Chemical Neuroscience</i> , 2016, 7, 1201-1211.	1.7	50
86	The role of kinetic context in apparent biased agonism at GPCRs. <i>Nature Communications</i> , 2016, 7, 10842.	5.8	270
87	Role of Annular Lipids in the Functional Properties of Leucine Transporter LeuT Proteomicelles. <i>Biochemistry</i> , 2016, 55, 850-859.	1.2	12
88	Development of a Rapid Insulin Assay by Homogenous Time-Resolved Fluorescence. <i>PLoS ONE</i> , 2016, 11, e0148684.	1.1	27
89	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> , 2015, 70, 2.14.1-2.14.14.	4.0	41
90	Evidence against dopamine D1/D2 receptor heteromers. <i>Molecular Psychiatry</i> , 2015, 20, 1373-1385.	4.1	100

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91	Dual agonist occupancy of AT1-R±2C-AR heterodimers results in atypical Gs-PKA signaling. <i>Nature Chemical Biology</i> , 2015, 11, 271-279.	3.9	83
92	Evidence for limited D1 and D2 receptor coexpression and colocalization within the dorsal striatum of the neonatal mouse. <i>Journal of Comparative Neurology</i> , 2015, 523, 1175-1189.	0.9	27
93	High Affinity Dopamine D ₃ Receptor (D ₃ R)-Selective Antagonists Attenuate Heroin Self-Administration in Wild-Type but not D ₃ R Knockout Mice. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6195-6213.	2.9	45
94	Upregulation of Dopamine D2 Receptors in the Nucleus Accumbens Indirect Pathway Increases Locomotion but Does Not Reduce Alcohol Consumption. <i>Neuropsychopharmacology</i> , 2015, 40, 1609-1618.	2.8	38
95	Substrate-induced Unlocking of the Inner Gate Determines the Catalytic Efficiency of a Neurotransmitter:Sodium Symporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 26725-26738.	1.6	32
96	Mechanism of the Association between Na ⁺ Binding and Conformations at the Intracellular Gate in Neurotransmitter:Sodium Symporters. <i>Journal of Biological Chemistry</i> , 2015, 290, 13992-14003.	1.6	58
97	What Can Crystal Structures of Aminergic Receptors Tell Us about Designing Subtype-Selective Ligands?. <i>Pharmacological Reviews</i> , 2015, 67, 198-213.	7.1	99
98	Imaging Functional Dynamic Processes within Integral Membrane Proteins at the Single-Molecule Scale. <i>FASEB Journal</i> , 2015, 29, 498.3.	0.2	0
99	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> , 2014, 289, 33663-33675.	1.6	32
100	Conformational dynamics of ligand-dependent alternating access in LeuT. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 472-479.	3.6	136
101	Cross-Talk between G Protein-Coupled Receptors. , 2014, , 93-94.		0
102	Rebuttal from Nevin A. Lambert and Jonathan A. Javitch. <i>Journal of Physiology</i> , 2014, 592, 2449-2449.	1.3	12
103	Conformational changes in dopamine transporter intracellular regions upon cocaine binding and dopamine translocation. <i>Neurochemistry International</i> , 2014, 73, 4-15.	1.9	13
104	A mechanism for intracellular release of Na ⁺ by neurotransmitter/sodium symporters. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1006-1012.	3.6	159
105	Identification of Novel Functionally Selective μ -Opioid Receptor Scaffolds. <i>Molecular Pharmacology</i> , 2014, 85, 83-90.	1.0	117
106	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.	1.3	74
107	A new mechanism of allostery in a G protein-coupled receptor dimer. <i>Nature Chemical Biology</i> , 2014, 10, 745-752.	3.9	108
108	The atypical antidepressant and neurorestorative agent tianeptine is a μ -opioid receptor agonist. <i>Translational Psychiatry</i> , 2014, 4, e411-e411.	2.4	107

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109	Discovery and Characterization of a G Protein-Biased Agonist That Inhibits β -Arrestin Recruitment to the D2 Dopamine Receptor. <i>Molecular Pharmacology</i> , 2014, 86, 96-105.	1.0	74
110	PIP2 regulates psychostimulant behaviors through its interaction with a membrane protein. <i>Nature Chemical Biology</i> , 2014, 10, 582-589.	3.9	109
111	Dopamine Receptor Activation Increases HIV Entry into Primary Human Macrophages. <i>PLoS ONE</i> , 2014, 9, e108232.	1.1	63
112	Towards Better Understanding of G(s) Coupling in Catecholamine Receptors. , 2014, , 89-90.		0
113	The Membrane-Raft Protein Flotillin-1 is Essential in Dopamine Neurons for Amphetamine-Induced Behavior in <i>Drosophila</i> . , 2014, , 58.		0
114	Drug Design for Addiction – Molecular Determinants of Selectivity and Efficacy at the Dopamine D3 Receptor. , 2014, , 181-182.		0
115	Deciphering the Functionally Selective Properties of D2R Ligands. , 2014, , 110.		0
116	High-Throughput Screening for Modulators of the D2 Dopamine Receptor Yields Unique and Selective Pharmacological Chemotypes. , 2014, , 115.		0
117	The Membrane Protein LeuT in Micellar Systems: Aggregation Dynamics and Detergent Binding to the S2 Site. <i>Journal of the American Chemical Society</i> , 2013, 135, 14266-14275.	6.6	32
118	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.	2.5	58
119	Increasing dopamine D2 receptor expression in the adult nucleus accumbens enhances motivation. <i>Molecular Psychiatry</i> , 2013, 18, 1025-1033.	4.1	162
120	Segregation of Family A G Protein-Coupled Receptor Protomers in the Plasma Membrane. <i>Molecular Pharmacology</i> , 2013, 84, 346-352.	1.0	26
121	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.	3.3	85
122	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.	1.0	58
123	Sensing conformational changes in metabotropic glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5742-5743.	3.3	1
124	Getting to grips with ammonium. <i>ELife</i> , 2013, 2, e01029.	2.8	1
125	6-Guanidinonaltrindole (6-GNTI) Is a G Protein-biased μ -Opioid Receptor Agonist That Inhibits Arrestin Recruitment. <i>Journal of Biological Chemistry</i> , 2012, 287, 27050-27054.	1.6	96
126	Dopamine-Mediated Autocrine Inhibitory Circuit Regulating Human Insulin Secretion in Vitro. <i>Molecular Endocrinology</i> , 2012, 26, 1757-1772.	3.7	74

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127	Experimental conditions can obscure the second high-affinity site in LeuT. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 207-211.	3.6	84
128	Cyanine fluorophore derivatives with enhanced photostability. <i>Nature Methods</i> , 2012, 9, 68-71.	9.0	269
129	Yohimbine Depresses Excitatory Transmission in BNST and Impairs Extinction of Cocaine Place Preference Through Orexin-Dependent, Norepinephrine-Independent Processes. <i>Neuropsychopharmacology</i> , 2012, 37, 2253-2266.	2.8	29
130	Structure and functional interaction of the extracellular domain of human GABAB receptor GBR2. <i>Nature Neuroscience</i> , 2012, 15, 970-978.	7.1	61
131	Molecular Determinants of Selectivity and Efficacy at the Dopamine D3 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6689-6699.	2.9	153
132	Imaging the high-affinity state of the dopamine D2 receptor in vivo: Fact or fiction?. <i>Biochemical Pharmacology</i> , 2012, 83, 193-198.	2.0	59
133	CODA-RET reveals functional selectivity as a result of GPCR heteromerization. <i>Nature Chemical Biology</i> , 2011, 7, 624-630.	3.9	107
134	Making Structural Sense of Dimerization Interfaces of Delta Opioid Receptor Homodimers. <i>Biochemistry</i> , 2011, 50, 1682-1690.	1.2	70
135	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.	0.8	230
136	Flotillin-1 is essential for PKC-triggered endocytosis and membrane microdomain localization of DAT. <i>Nature Neuroscience</i> , 2011, 14, 469-477.	7.1	177
137	Characterization of in vivo Pharmacokinetic Properties of the Dopamine D1 Receptor Agonist DAR-0100A in Nonhuman Primates Using PET with [11C] NNC112 and [11C] Raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 293-304.	2.4	21
138	Crystal structure of a potassium ion transporter, TrkH. <i>Nature</i> , 2011, 471, 336-340.	13.7	120
139	Crystal structure of a phosphorylation-coupled saccharide transporter. <i>Nature</i> , 2011, 473, 50-54.	13.7	77
140	Substrate-modulated gating dynamics in a Na ⁺ -coupled neurotransmitter transporter homologue. <i>Nature</i> , 2011, 474, 109-113.	13.7	276
141	Chapter 12. Crosstalk Between Receptors: Challenges of Distinguishing Upstream from Downstream Mechanisms. <i>RSC Drug Discovery Series</i> , 2011, , 255-268.	0.2	0
142	Discovery of Î ² -Arrestin-â€œBiased Dopamine D ₂ Ligands for Probing Signal Transduction Pathways Essential for Antipsychotic Efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18488-18493.	3.3	312
143	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.	3.3	161
144	Presynaptic Regulation of Dopamine Transmission in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 108-117.	2.3	56

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145	The Substrate-Driven Transition to an Inward-Facing Conformation in the Functional Mechanism of the Dopamine Transporter. <i>PLoS ONE</i> , 2011, 6, e16350.	1.1	107
146	Ion/substrate-dependent conformational dynamics of a bacterial homolog of neurotransmitter:sodium symporters. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 822-829.	3.6	183
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