Solomon H Snyder

List of Publications by Year
in descending order

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585 papers	88,344 citations	154 156 h-index	429 275 g-index
604 all docs	604 docs citations	604 times ranked	48253 citing authors

#	Article	IF	Citations
1	Localization of nitric oxide synthase indicating a neural role for nitric oxide. Nature, 1990, 347, 768-770.	27.8	2,959
2	Cloned and expressed nitric oxide synthase structurally resembles cytochrome P-450 reductase. Nature, 1991, 351, 714-718.	27.8	2,413
3	H ₂ S as a Physiologic Vasorelaxant: Hypertension in Mice with Deletion of Cystathionine Î³-Lyase. Science, 2008, 322, 587-590.	12.6	2,104
4	Nitric oxide, a novel neuronal messenger. Neuron, 1992, 8, 3-11.	8.1	1,837
5	Nitric oxide synthase protein and mRNA are discretely localized in neuronal populations of the mammalian CNS together with NADPH diaphorase. Neuron, 1991, 7, 615-624.	8.1	1,390
6	RAFT1: A mammalian protein that binds to FKBP12 in a rapamycin-dependent fashion and is homologous to yeast TORs. Cell, 1994, 78, 35-43.	28.9	1,355
7	Targeted disruption of the neuronal nitric oxide synthase gene. Cell, 1993, 75, 1273-1286.	28.9	1,323
8	Protein S-nitrosylation: a physiological signal for neuronal nitric oxide. Nature Cell Biology, 2001, 3, 193-197.	10.3	1,321
9	H ₂ S Signals Through Protein S-Sulfhydration. Science Signaling, 2009, 2, ra72.	3.6	1,050
10	Poly(ADP-ribose) polymerase gene disruption renders mice resistant to cerebral ischemia. Nature Medicine, 1997, 3, 1089-1095.	30.7	1,002
11	Biliverdin reductase: A major physiologic cytoprotectant. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16093-16098.	7.1	979
12	S-nitrosylated GAPDH initiates apoptotic cell death by nuclear translocation following Siah1 binding. Nature Cell Biology, 2005, 7, 665-674.	10.3	951
13	A novel neuronal messenger molecule in brain: The free radical, nitric oxide. Annals of Neurology, 1992, 32, 297-311.	5.3	837
14	Regional Distribution of Opiate Receptor Binding in Monkey and Human Brain. Nature, 1973, 245, 447-450.	27.8	808
15	Nitric oxide, a novel biologic messenger. Cell, 1992, 70, 705-707.	28.9	780
16	H2S signalling through protein sulfhydration and beyond. Nature Reviews Molecular Cell Biology, 2012, 13, 499-507.	37.0	716
17	Properties of Î³-aminobutyric acid (GABA) receptor binding in rat brain synaptic membrane fractions. Brain Research, 1975, 100, 81-97.	2.2	646
18	Hydrogen Sulfide-Linked Sulfhydration of NF-Î²B Mediates Its Antiapoptotic Actions. Molecular Cell, 2012, 45, 13-24.	9.7	626

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19	Opiate receptor binding in primate spinal cord: distribution and changes after dorsal root section. Brain Research, 1976, 112, 407-412.	2.2	625
20	NOVELNEURALMODULATORS. Annual Review of Neuroscience, 2003, 26, 105-131.	10.7	623
21	Behavioural abnormalities in male mice lacking neuronal nitric oxide synthase. Nature, 1995, 378, 383-386.	27.8	606
22	Nitric oxide as a neuronal messenger. Trends in Pharmacological Sciences, 1991, 12, 125-128.	8.7	589
23	A huntingtin-associated protein enriched in brain with implications for pathology. Nature, 1995, 378, 398-402.	27.8	578
24	Cytochrome c binds to inositol (1,4,5) trisphosphate receptors, amplifying calcium-dependent apoptosis. Nature Cell Biology, 2003, 5, 1051-1061.	10.3	573
25	Amphetamine Psychosis: A "Model" Schizophrenia Mediated by Catecholamines. American Journal of Psychiatry, 1973, 130, 61-67.	7.2	554
26	Schizophrenia: Diverse Approaches to a Complex Disease. Science, 2002, 296, 692-695.	12.6	549
27	A sensitive and specific fluorescence assay for tissue serotonin. Biochemical Pharmacology, 1965, 14, 831-835.	4.4	535
28	Hydrogen Sulfide as Endothelium-Derived Hyperpolarizing Factor Sulfhydrates Potassium Channels. Circulation Research, 2011, 109, 1259-1268.	4.5	531
29	Purified inositol 1,4,5-trisphosphate receptor mediates calcium flux in reconstituted lipid vesicles. Nature, 1989, 342, 87-89.	27.8	521
30	Increased apoptosis of Huntington disease lymphoblasts associated with repeat length-dependent mitochondrial depolarization. Nature Medicine, 1999, 5, 1194-1198.	30.7	516
31	Dimethyl fumarate targets GAPDH and aerobic glycolysis to modulate immunity. Science, 2018, 360, 449-453.	12.6	489
32	Widespread expression of Huntington's disease gene (IT15) protein product. Neuron, 1995, 14, 1065-1074.	8.1	485
33	Calcineurin associated with the inositol 1,4,5-trisphosphate receptor-FKBP12 complex modulates Ca2+ flux. Cell, 1995, 83, 463-472.	28.9	485
34	Haem oxygenase-1 prevents cell death by regulating cellular iron. Nature Cell Biology, 1999, 1, 152-157.	10.3	484
35	High affinity uptake systems for glycine, glutamic and aspartic acids in synaptosomes of rat central nervous tissues. Brain Research, 1972, 42, 413-431.	2.2	470
36	Inducible Nitric Oxide Synthase Binds, S-Nitrosylates, and Activates Cyclooxygenase-2. Science, 2005, 310, 1966-1970.	12.6	464

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37	Inositol 1,4,5-trisphosphate receptor localized to endoplasmic reticulum in cerebellar Purkinje neurons. Nature, 1989, 339, 468-470.	27.8	447
38	p53 Mediates Cellular Dysfunction and Behavioral Abnormalities in Huntingtonâ€™s Disease. Neuron, 2005, 47, 29-41.	8.1	437
39	Hydrogen sulfide as a gasotransmitter. Journal of Neurochemistry, 2010, 113, 14-26.	3.9	422
40	Inositol 1,4,5-Trisphosphate Receptors as Signal Integrators. Annual Review of Biochemistry, 2004, 73, 437-465.	11.1	419
41	Dopamine receptors localised on cerebral cortical afferents to rat corpus striatum. Nature, 1978, 271, 766-768.	27.8	404
42	Bilirubin and glutathione have complementary antioxidant and cytoprotective roles. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5171-5176.	7.1	403
43	Immunohistochemical mapping of enkephalin containing cell bodies, fibers and nerve terminals in the brain stem of the rat. Brain Research, 1979, 166, 75-94.	2.2	387
44	d-Serine as a Neuromodulator: Regional and Developmental Localizations in Rat Brain Glia Resemble NMDA Receptors. Journal of Neuroscience, 1997, 17, 1604-1615.	3.6	386
45	Signaling by Gasotransmitters. Science Signaling, 2009, 2, re2.	3.6	381
46	An endogenous morphine-like factor in mammalian brain. Life Sciences, 1975, 16, 1765-1769.	4.3	375
47	Synthesis of diphosphoinositol pentakisphosphate by a newly identified family of higher inositol polyphosphate kinases. Current Biology, 1999, 9, 1323-1326.	3.9	375
48	Possible Origins and Distribution of Immunoreactive Nitric Oxide Synthase-Containing Nerve Fibers in Cerebral Arteries. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 70-79.	4.3	370
49	Disrupted-in-Schizophrenia-1 (DISC-1): Mutant truncation prevents binding to NudE-like (NUDEL) and inhibits neurite outgrowth. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 289-294.	7.1	367
50	Autoradiographic localization of the opiate receptor in rat brain. Life Sciences, 1975, 16, 1849-1853.	4.3	366
51	GAPDH mediates nitrosylation of nuclear proteins. Nature Cell Biology, 2010, 12, 1094-1100.	10.3	364
52	Nitric oxide synthase: Irreversible inhibition by L-NG-Nitroarginine in brain in vitro and in vivo. Biochemical and Biophysical Research Communications, 1991, 176, 1136-1141.	2.1	360
53	Antipsychotic drug-induced weight gain mediated by histamine H₁receptor-linked activation of hypothalamic AMP-kinase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3456-3459.	7.1	360
54	Nitric oxide-induced nuclear GAPDH activates p300/CBP and mediates apoptosis. Nature Cell Biology, 2008, 10, 866-873.	10.3	353

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55	Glutamic acid: Selective depletion by viral induced granule cell loss in hamster cerebellum. Brain Research, 1974, 73, 1-13.	2.2	347
56	Neurotrophic actions of nonimmunosuppressive analogues of immunosuppressive drugs FK506, rapamycin and cyclosporin A. Nature Medicine, 1997, 3, 421-428.	30.7	346
57	Neuronal Nitric Oxide Synthase Activation and Peroxynitrite Formation in Ischemic Stroke Linked to Neural Damage. Journal of Neuroscience, 1999, 19, 5910-5918.	3.6	346
58	H ₂ S mediates O ₂ sensing in the carotid body. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10719-10724.	7.1	344
59	CAPON: A Protein Associated with Neuronal Nitric Oxide Synthase that Regulates Its Interactions with PSD95. Neuron, 1998, 20, 115-124.	8.1	343
60	Transient nitric oxide synthase neurons in embryonic cerebral cortical plate, sensory ganglia, and olfactory epithelium. Neuron, 1994, 13, 301-313.	8.1	340
61	High brain densities of the immunophilin FKBP colocalized with calcineurin. Nature, 1992, 358, 584-587.	27.8	338
62	Cystathionine Î³-lyase deficiency mediates neurodegeneration in Huntingtonâ€™s disease. Nature, 2014, 509, 96-100.	27.8	336
63	Akt-dependent phosphorylation of endothelial nitric-oxide synthase mediates penile erection. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4061-4066.	7.1	335
64	Inositol Pyrophosphates Inhibit Akt Signaling, Thereby Regulating Insulin Sensitivity and Weight Gain. Cell, 2010, 143, 897-910.	28.9	328
65	Nitric Oxide: A Neural Messenger. Annual Review of Cell and Developmental Biology, 1995, 11, 417-440.	9.4	327
66	Positron emission tomographic imaging of the dopamine transporter with ¹¹Câ€WIN 35,428 reveals marked declines in mild Parkinson's disease. Annals of Neurology, 1993, 34, 423-431.	5.3	321
67	Rhes, a Striatal Specific Protein, Mediates Mutant-Huntingtin Cytotoxicity. Science, 2009, 324, 1327-1330.	12.6	302
68	Unique High Affinity Uptake Systems for Glycine, Glutamic and Aspartic Acids in Central Nervous Tissue of the Rat. Nature, 1971, 234, 297-299.	27.8	298
69	Dexras1. Neuron, 2000, 28, 183-193.	8.1	297
70	Distinct Î±-noradrenergic receptors differentiated by binding and physiological relationships. Life Sciences, 1979, 24, 79-88.	4.3	296
71	Alpha-noradrenergic receptor binding in mammalian brain: Differential labeling of agonist and antagonist states. Life Sciences, 1976, 19, 69-76.	4.3	291
72	Phosphorylation of Proteins by Inositol Pyrophosphates. Science, 2004, 306, 2101-2105.	12.6	286

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73	Neurotensin-containing cell bodies, fibers and nerve terminals in the brain stem of the rat: Immunohistochemical mapping. Brain Research, 1979, 167, 77-91.	2.2	282
74	Atypical neural messengers. Trends in Neurosciences, 2001, 24, 99-106.	8.6	275
75	The regional distribution of a morphine-like factor enkephalin in monkey brain. Brain Research, 1976, 106, 189-197.	2.2	274
76	Mutant Huntingtin Disrupts the Nuclear Pore Complex. Neuron, 2017, 94, 93-107.e6.	8.1	274
77	H 2 S: A Novel Gasotransmitter that Signals by Sulfhydration. Trends in Biochemical Sciences, 2015, 40, 687-700.	7.5	267
78	Novel Neurotransmitters and Their Neuropsychiatric Relevance. American Journal of Psychiatry, 2000, 157, 1738-1751.	7.2	265
79	Sulfhydration mediates neuroprotective actions of parkin. Nature Communications, 2013, 4, 1626.	12.8	265
80	Binding of the Inward Rectifier K+ Channel Kir 2.3 to PSD-95 Is Regulated by Protein Kinase A Phosphorylation. Neuron, 1996, 17, 759-767.	8.1	264
81	PI3 kinase enhancerâ€“Homer complex couples mGluRI to PI3 kinase, preventing neuronal apoptosis. Nature Neuroscience, 2003, 6, 1153-1161.	14.8	262
82	Monoclonal antibody production by receptor-mediated electrically induced cell fusion. Nature, 1984, 310, 792-794.	27.8	261
83	Inositol trisphosphate receptor localization in brain: variable stoichiometry with protein kinase C. Nature, 1987, 325, 159-161.	27.8	259
84	Mu-opiate receptors measured by positron emission tomography are increased in temporal lobe epilepsy. Annals of Neurology, 1988, 23, 231-237.	5.3	253
85	Diurnal variation in mRNA encoding serotonin N-acetyltransferase in pineal gland. Nature, 1995, 378, 783-785.	27.8	253
86	D-serine and serine racemase are present in the vertebrate retina and contribute to the physiological activation of NMDA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6789-6794.	7.1	250
87	Poly(ADP-ribose) polymerase-1 dependence of stress-induced transcription factors and associated gene expression in glia. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3270-3275.	7.1	249
88	A simple and sensitive radioreceptor assay for antischizophrenic drugs in blood. Nature, 1977, 270, 180-182.	27.8	248
89	NMDA Receptor-Nitric Oxide Transmission Mediates Neuronal Iron Homeostasis via the GTPase Dexras1. Neuron, 2006, 51, 431-440.	8.1	240
90	Muscarinic cholinergic receptor binding: regional distribution in monkey brain. Brain Research, 1974, 66, 541-546.	2.2	238

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91	Opiate Receptors and Internal Opiates. Scientific American, 1977, 236, 44-57.	1.0	238
92	Imaging Opiate Receptors in the Human Brain by Positron Tomography. Journal of Computer Assisted Tomography, 1985, 9, 231-236.	0.9	237
93	Selective Persulfide Detection Reveals Evolutionarily Conserved Antiaging Effects of S-Sulfhydration. Cell Metabolism, 2019, 30, 1152-1170.e13.	16.2	236
94	Differential effects of D- and L-amphetamine on behavior and on catecholamine disposition in dopamine and norepinephrine containing neurons of rat brain. Brain Research, 1971, 28, 295-309.	2.2	232
95	Akt as a mediator of cell death. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11712-11717.	7.1	232
96	Regional and subcellular distributions of brain neurotensin. Life Sciences, 1976, 19, 1827-1832.	4.3	231
97	Aminergic systems in Alzheimer's disease and Parkinson's disease. Annals of Neurology, 1987, 22, 229-236.	5.3	230
98	Hypoxic regulation of the cerebral microcirculation is mediated by a carbon monoxide-sensitive hydrogen sulfide pathway. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1293-1298.	7.1	230
99	Multiple Neurotransmitter Receptors. Journal of Neurochemistry, 1980, 35, 5-15.	3.9	227
100	Nitric oxide and carbon monoxide: parallel roles as neural messengers. Brain Research Reviews, 1998, 26, 167-175.	9.0	224
101	Insulin restores neuronal nitric oxide synthase expression and function that is lost in diabetic gastropathy. Journal of Clinical Investigation, 2000, 106, 373-384.	8.2	224
102	Encephalopsin: A Novel Mammalian Extraretinal Opsin Discretely Localized in the Brain. Journal of Neuroscience, 1999, 19, 3681-3690.	3.6	222
103	Neuroprotection by pharmacologic blockade of the GAPDH death cascade. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3887-3889.	7.1	222
104	Thyrotropin releasing hormone (TRH): Apparent receptor binding in rat brain membranes. Brain Research, 1975, 93, 309-328.	2.2	220
105	Identification of novel high affinity opiate receptor binding in rat brain. Nature, 1975, 253, 563-565.	27.8	219
106	HETEROGENEITY OF HISTAMINE Hi-RECEPTORS: SPECIES VARIATIONS IN [3H]MEPYRAMINE BINDING OF BRAIN MEMBRANES. Journal of Neurochemistry, 1979, 32, 1653-1663.	3.9	218
107	Palonosetron Exhibits Unique Molecular Interactions with the 5-HT3 Receptor. Anesthesia and Analgesia, 2008, 107, 469-478.	2.2	215
108	A Nitric Oxide Signaling Pathway Controls CREB-Mediated Gene Expression in Neurons. Molecular Cell, 2006, 21, 283-294.	9.7	211

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109	Opiate receptor binding in the pituitary gland. Brain Research, 1977, 124, 178-184.	2.2	210
110	Cell Signaling and Neuronal Death. Annual Review of Pharmacology and Toxicology, 2007, 47, 117-141.	9.4	206
111	Phencyclidine. Nature, 1980, 285, 355-356.	27.8	205
112	Regulators of the transsulfuration pathway. British Journal of Pharmacology, 2019, 176, 583-593.	5.4	205
113	Cain, A Novel Physiologic Protein Inhibitor of Calcineurin. Journal of Biological Chemistry, 1998, 273, 18325-18331.	3.4	204
114	Opiate Receptors in the Brain. New England Journal of Medicine, 1977, 296, 266-271.	27.0	203
115	Neurotensin, a central nervous system peptide: apparent receptor binding in brain membranes. Brain Research, 1977, 130, 299-313.	2.2	203
116	Differential Regulation by Guanine Nucleotides of Opiate Agonist and Antagonist Receptor Interactions. Journal of Neurochemistry, 1980, 34, 583-593.	3.9	203
117	Messenger molecules in the cerebellum. Trends in Neurosciences, 1990, 13, 216-222.	8.6	202
118	Serine racemase: Activation by glutamate neurotransmission via glutamate receptor interacting protein and mediation of neuronal migration. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2105-2110.	7.1	200
119	Nitric oxide synthase-like immunoreactivity in lumbar dorsal root ganglia and spinal cord of rat and monkey and effect of peripheral axotomy. Journal of Comparative Neurology, 1993, 335, 563-575.	1.6	199
120	Poly(ADP-ribose) Polymerase-1 in the Nervous System. Neurobiology of Disease, 2000, 7, 225-239.	4.4	199
121	Cysteine Metabolism in Neuronal Redox Homeostasis. Trends in Pharmacological Sciences, 2018, 39, 513-524.	8.7	198
122	FKBP12 Binds the Inositol 1,4,5-Trisphosphate Receptor at Leucine-Proline (1400â€“1401) and Anchors Calcineurin to this FK506-like Domain. Journal of Biological Chemistry, 1997, 272, 27582-27588.	3.4	197
123	Cloning and expression of an adenylyl cyclase localized to the corpus striatum. Nature, 1993, 361, 536-538.	27.8	192
124	D-amino acids as putative neurotransmitters: focus on D-serine. , 2000, 25, 553-560.		191
125	The Role of Brain Dopamine in Behavioral Regulation and the Actions of Psychotropic Drugs. American Journal of Psychiatry, 1970, 127, 199-207.	7.2	190
126	Protein pyrophosphorylation by inositol pyrophosphates is a posttranslational event. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15305-15310.	7.1	189

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127	Inositol Pyrophosphates Mediate Chemotaxis in Dictyostelium via Pleckstrin Homology Domain-PtdIns(3,4,5)P3 Interactions. Cell, 2003, 114, 559-572.	28.9	188
128	Historical review: Opioid receptors. Trends in Pharmacological Sciences, 2003, 24, 198-205.	8.7	188
129	Ultrastructural localization of nitric oxide synthese immunoreactivity in guinea-pig enteric neurons. Brain Research, 1992, 577, 337-342.	2.2	185
130	The three-dimensional structure of bovine odorant binding protein and its mechanism of odor recognition. Nature Structural Biology, 1996, 3, 934-939.	9.7	185
131	Two distinct enkephalinases: Solubilization, partial purification and separation from angiotensin converting enzyme. Life Sciences, 1979, 25, 2065-2070.	4.3	184
132	Differential cellular expression of isoforms of inositol 1,4,5-triphosphate receptors in neurons and glia in brain. Journal of Comparative Neurology, 1999, 406, 207-220.	1.6	184
133	Hydrogen sulfide: a gasotransmitter of clinical relevance. Journal of Molecular Medicine, 2012, 90, 255-263.	3.9	184
134	Phylogenetic distribution of opiate receptor binding. Brain Research, 1974, 75, 356-361.	2.2	182
135	Two distinct serotonin receptors: regional variations in receptor binding in mammalian brain. Brain Research, 1981, 208, 339-347.	2.2	182
136	Calcium-Antagonist Drugs. New England Journal of Medicine, 1985, 313, 995-1002.	27.0	180
137	Immunophilins and nervous system. Nature Medicine, 1995, 1, 32-37.	30.7	180
138	Localization of Nitric Oxide Synthase in the Reproductive Organs of the Male Rat1. Biology of Reproduction, 1995, 52, 1-7.	2.7	180
139	Postsynaptic localization of muscarinic cholinergic receptor binding in rat hippocampus. Brain Research, 1974, 78, 320-326.	2.2	178
140	Opiate receptor in normal and drug altered brain function*. Nature, 1975, 257, 185-189.	27.8	177
141	Huntington's Chorea. New England Journal of Medicine, 1976, 294, 1305-1309.	27.0	177
142	Relative sparing of nitric oxide synthase-containing neurons in the hippocampal formation in Alzheimer's disease. Annals of Neurology, 1992, 32, 818-820.	5.3	177
143	Phospholipase C-Î³ Is Required for Agonist-Induced Ca2+ Entry. Cell, 2002, 111, 529-541.	28.9	175
144	Phospholipase CÎ³1 controls surface expression of TRPC3 through an intermolecular PH domain. Nature, 2005, 434, 99-104.	27.8	175

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145	Gasotransmitter hydrogen sulfide signaling in neuronal health and disease. Biochemical Pharmacology, 2018, 149, 101-109.	4.4	175
146	Immunophilins in the Nervous System. Neuron, 1998, 21, 283-294.	8.1	174
147	A simple, sensitive, and specific radioreceptor assay for inositol 1,4,5-trisphosphate in biological tissues. Biochemical and Biophysical Research Communications, 1989, 159, 976-982.	2.1	173
148	Stereospecific binding ofd-lysergic acid diethylamide (LSD) to brain membranes: Relationship to serotonin receptors. Brain Research, 1975, 94, 523-544.	2.2	172
149	Interaction of RAFT1 with Gephyrin Required for Rapamycin-Sensitive Signaling. Science, 1999, 284, 1161-1164.	12.6	172
150	Amyloid Precursor Proteins Inhibit Heme Oxygenase Activity and Augment Neurotoxicity in Alzheimer's Disease. Neuron, 2000, 28, 461-473.	8.1	168
151	The Inositol Hexakisphosphate Kinase Family. Journal of Biological Chemistry, 2000, 275, 24686-24692.	3.4	167
152	S-Nitrosylation of N-Ethylmaleimide Sensitive Factor Mediates Surface Expression of AMPA Receptors. Neuron, 2005, 46, 533-540.	8.1	165
153	Stereospecificity and structure-activity requirements of GABA receptor binding in rat brain. Brain Research, 1977, 124, 185-190.	2.2	164
154	Opportunities for the repurposing of PARP inhibitors for the therapy of nonâ€oncological diseases. British Journal of Pharmacology, 2018, 175, 192-222.	5.4	160
155	The dopamine receptor: Differential binding of d-LSD and related agents to agonist and antagonist states. Life Sciences, 1975, 17, 1715-1719.	4.3	159
156	In vivo identification of muscarinic cholinergic receptor binding in rat brain. Brain Research, 1974, 80, 170-176.	2.2	158
157	Potassium-induced release of amino acids from cerebral cortex and spinal cord slices of the rat. Brain Research, 1974, 76, 297-308.	2.2	157
158	Isolation and structure identification of a morphine-like peptide â€œenkephalinâ€•in bovine brain. Life Sciences, 1976, 18, 781-788.	4.3	157
159	The peripheralâ€type benzodiazepine receptor: a protein of mitochondrial outer membranes utilizing porphyrins as endogenous ligands. FASEB Journal, 1987, 1, 282-288.	0.5	157
160	Inositol pyrophosphates regulate endocytic trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14206-14211.	7.1	157
161	Inositol 1,4,5-trisphosphate receptor is phosphorylated by cyclic AMP-dependent protein kinase at serines 1755 and 1589. Biochemical and Biophysical Research Communications, 1991, 175, 192-198.	2.1	155
162	Post-treatment with an inhibitor of poly(ADP-ribose) polymerase attenuates cerebral damage in focal ischemia. Brain Research, 1999, 829, 46-54.	2.2	155

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163	Inositol pyrophosphates regulate cell death and telomere length through phosphoinositide 3-kinase-related protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1911-1914.	7.1	154
164	Enkephalin-containing pathway: amygdaloid efferents in the stria terminalis. Brain Research, 1978, 149, 223-228.	2.2	149
165	Phospholipase CÎ³1 is a physiological guanine nucleotide exchange factor for the nuclear GTPase PIKE. Nature, 2002, 415, 541-544.	27.8	149
166	PIKE. Cell, 2000, 103, 919-930.	28.9	148
167	Bradykinin receptor-mediated chloride secretion in intestinal function. Nature, 1982, 299, 256-259.	27.8	147
168	Nitric oxide and neurons. Current Opinion in Neurobiology, 1992, 2, 323-327.	4.2	146
169	Parapinopsin, a Novel Catfish Opsin Localized to the Parapineal Organ, Defines a New Gene Family. Journal of Neuroscience, 1997, 17, 8083-8092.	3.6	143
170	Structure of the PIN/LC8 dimer with a bound peptide. Nature Structural Biology, 1999, 6, 735-740.	9.7	143
171	S-Nitrosylation and S-Palmitoylation Reciprocally Regulate Synaptic Targeting of PSD-95. Neuron, 2011, 71, 131-141.	8.1	142
172	[3H]Para-amino-clonidine: A novel ligand which binds with high affinity to Î±-adrenergic receptors. Life Sciences, 1979, 25, 769-774.	4.3	140
173	Molecular messengers of olfaction. Trends in Neurosciences, 1992, 15, 508-513.	8.6	140
174	Redox imbalance links COVID-19 and myalgic encephalomyelitis/chronic fatigue syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	140
175	A morphine-like factor â€˜enkephalinâ€™ in rat brain: subcellular localization. Brain Research, 1976, 107, 650-657.	2.2	138
176	Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors. Nature, 1992, 356, 350-352.	27.8	138
177	Loss of nitric oxide synthase immunoreactivity in cerebral vasospasm. Journal of Neurosurgery, 1996, 84, 648-654.	1.6	138
178	Urinary bladder-urethral sphincter dysfunction in mice with targeted disruption of neuronal nitric oxide synthase models idiopathic voiding disorders in humans. Nature Medicine, 1997, 3, 571-574.	30.7	138
179	Carbon Monoxide Neurotransmission Activated by CK2 Phosphorylation of Heme Oxygenase-2. Neuron, 2003, 40, 129-137.	8.1	138
180	GABA receptors are increased in brains of alcoholics. Annals of Neurology, 1981, 9, 289-292.	5.3	137

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181	Inositol Pyrophosphates as Mammalian Cell Signals. Science Signaling, 2011, 4, re1.	3.6	137
182	Guanine nucleotides distinguish between two dopamine receptors. Nature, 1979, 278, 577-578.	27.8	136
183	Somatostatin receptors: Distribution in rat central nervous system and human frontal cortex. Journal of Comparative Neurology, 1985, 240, 288-304.	1.6	136
184	Pharmacologic Inhibition of Poly(ADP-Ribose) Polymerase Is Neuroprotective Following Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2001, 18, 369-376.	3.4	136
185	Identification and Characterization of a Novel Inositol Hexakisphosphate Kinase. Journal of Biological Chemistry, 2001, 276, 39179-39185.	3.4	135
186	Guanine nucleotides differentiate agonist and antagonist interactions with opiate receptors. Life Sciences, 1978, 23, 759-761.	4.3	134
187	Localization of opiate receptor binding in synaptic membranes of rat brain. Brain Research, 1974, 70, 184-188.	2.2	132
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