

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
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604
all docs

604
docs citations

604
times ranked

48253
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol hexakisphosphate kinase-2 non-catalytically regulates mitophagy by attenuating PINK1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121946119.	7.1	10
2	A high-affinity cocaine binding site associated with the brain acid soluble protein 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200545119.	7.1	2
3	Mammalian D-cysteine: A novel regulator of neural progenitor cell proliferation. <i>BioEssays</i> , 2022, 44, e2200002.	2.5	11
4	Biliverdin reductase bridges focal adhesion kinase to Src to modulate synaptic signaling. <i>Science Signaling</i> , 2022, 15, eabh3066.	3.6	4
5	Cystathionine β -lyase exacerbates <i>Helicobacter pylori</i> immunopathogenesis by promoting macrophage metabolic remodeling and activation. <i>JCI Insight</i> , 2022, 7, .	5.0	8
6	Signaling by cGAS-STING in Neurodegeneration, Neuroinflammation, and Aging. <i>Trends in Neurosciences</i> , 2021, 44, 83-96.	8.6	121
7	Effects of hydrogen sulfide on mitochondrial function and cellular bioenergetics. <i>Redox Biology</i> , 2021, 38, 101772.	9.0	126
8	Hydrogen sulfide is neuroprotective in Alzheimer's disease by sulfhydrating GSK3 β and inhibiting Tau hyperphosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	124
9	Cocaine-induced locomotor stimulation involves autophagic degradation of the dopamine transporter. <i>Molecular Psychiatry</i> , 2021, 26, 370-382.	7.9	15
10	Inositol hexakisphosphate kinase-2 determines cellular energy dynamics by regulating creatine kinase-B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
11	Quantitative measurement of reactive oxygen species in ex vivo mouse brain slices. <i>STAR Protocols</i> , 2021, 2, 100332.	1.2	2
12	Designed PKC-targeting bryostatin analogs modulate innate immunity and neuroinflammation. <i>Cell Chemical Biology</i> , 2021, 28, 537-545.e4.	5.2	7
13	Redox imbalance links COVID-19 and myalgic encephalomyelitis/chronic fatigue syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	140
14	D-cysteine is an endogenous regulator of neural progenitor cell dynamics in the mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	35
15	BVR-A Deficiency Leads to Autophagy Impairment through the Dysregulation of AMPK/mTOR Axis in the Brain—Implications for Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 671.	5.1	17
16	The inositol pyrophosphate 5-InsP ₇ drives sodium-potassium pump degradation by relieving an autoinhibitory domain of PI3K p85 β . <i>Science Advances</i> , 2020, 6, .	10.3	16
17	Ease restrictions on U.S. blood donations. <i>Science</i> , 2020, 368, 957-957.	12.6	2
18	The nonselective cation channel TRPV4 inhibits angiotensin II receptors. <i>Journal of Biological Chemistry</i> , 2020, 295, 9986-9997.	3.4	12

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19	The role of bilirubin and heme metabolism in neuronal stress signaling. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
20	Role of Inositol Hexakisphosphate Kinase (IP6K2) in regulating mitochondrial brain functions. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
21	Regulators of the transsulfuration pathway. <i>British Journal of Pharmacology</i> , 2019, 176, 583-593.	5.4	205
22	Bilirubin Links Heme Metabolism to Neuroprotection by Scavenging Superoxide. <i>Cell Chemical Biology</i> , 2019, 26, 1450-1460.e7.	5.2	66
23	A Connective Tissue Mast-Cell-Specific Receptor Detects Bacterial Quorum-Sensing Molecules and Mediates Antibacterial Immunity. <i>Cell Host and Microbe</i> , 2019, 26, 114-122.e8.	11.0	89
24	Selective Persulfide Detection Reveals Evolutionarily Conserved Antiaging Effects of S-Sulfhydration. <i>Cell Metabolism</i> , 2019, 30, 1152-1170.e13.	16.2	236
25	The glutathione cycle shapes synaptic glutamate activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2701-2706.	7.1	99
26	Inositol polyphosphate multikinase mediates extinction of fear memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2707-2712.	7.1	7
27	MRGPRX4 is a G protein-coupled receptor activated by bile acids that may contribute to cholestatic pruritus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10525-10530.	7.1	100
28	Noncatalytic functions of IPMK are essential for activation of autophagy and liver regeneration. <i>Autophagy</i> , 2019, 15, 1473-1474.	9.1	10
29	Impaired Redox Signaling in Huntington's Disease: Therapeutic Implications. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 68.	2.9	48
30	Histone H2AX promotes neuronal health by controlling mitochondrial homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7471-7476.	7.1	25
31	IPMK Mediates Activation of ULK Signaling and Transcriptional Regulation of Autophagy Linked to Liver Inflammation and Regeneration. <i>Cell Reports</i> , 2019, 26, 2692-2703.e7.	6.4	30
32	Inositol hexakisphosphate kinase 3 promotes focal adhesion turnover via interactions with dynein intermediate chain 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3278-3287.	7.1	14
33	Therapeutic Applications of Cysteamine and Cystamine in Neurodegenerative and Neuropsychiatric Diseases. <i>Frontiers in Neurology</i> , 2019, 10, 1315.	2.4	46
34	Redox Mechanisms in Neurodegeneration: From Disease Outcomes to Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1450-1499.	5.4	90
35	Identification of a bilirubin receptor that may mediate a component of cholestatic itch. <i>ELife</i> , 2019, 8, .	6.0	86
36	Cysteine Metabolism in Neuronal Redox Homeostasis. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 513-524.	8.7	198

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37	Histone H2AX deficiency causes neurobehavioral deficits and impaired redox homeostasis. <i>Nature Communications</i> , 2018, 9, 1526.	12.8	25
38	Inhibition of IP6K1 suppresses neutrophil-mediated pulmonary damage in bacterial pneumonia. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	33
39	Bryostatin-1 alleviates experimental multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2186-2191.	7.1	40
40	Inositol Polyphosphate Multikinase Inhibits Angiogenesis via Inositol Pentakisphosphate-Induced HIF-1 β Degradation. <i>Circulation Research</i> , 2018, 122, 457-472.	4.5	14
41	Golgi stress response reprograms cysteine metabolism to confer cytoprotection in Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 780-785.	7.1	84
42	Dimethyl fumarate targets GAPDH and aerobic glycolysis to modulate immunity. <i>Science</i> , 2018, 360, 449-453.	12.6	489
43	Opportunities for the repurposing of PARP inhibitors for the therapy of non-oncological diseases. <i>British Journal of Pharmacology</i> , 2018, 175, 192-222.	5.4	160
44	Gasotransmitter hydrogen sulfide signaling in neuronal health and disease. <i>Biochemical Pharmacology</i> , 2018, 149, 101-109.	4.4	175
45	Inositol Hexakisphosphate Kinase-2 in Cerebellar Granule Cells Regulates Purkinje Cells and Motor Coordination via Protein 4.1N. <i>Journal of Neuroscience</i> , 2018, 38, 7409-7419.	3.6	11
46	Multiple aspects of male germ cell development and interactions with Sertoli cells require inositol hexakisphosphate kinase-1. <i>Scientific Reports</i> , 2018, 8, 7039.	3.3	19
47	Inositol hexakisphosphate kinase-2 in cerebellar granule cells acts through protein 4.1N to regulate Purkinje cell morphology and motor coordination. <i>FASEB Journal</i> , 2018, 32, 533.87.	0.5	0
48	Developmental Alcohol Exposure Impairs Activity-Dependent Nitrosylation of NDEL1 for Neuronal Maturation. <i>Cerebral Cortex</i> , 2017, 27, 3918-3929.	2.9	9
49	Complementary roles of gasotransmitters CO and H ₂ S in sleep apnea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1413-1418.	7.1	65
50	Neuronal migration is mediated by inositol hexakisphosphate kinase 1 via β -actinin and focal adhesion kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2036-2041.	7.1	50
51	Antidepressant Actions of Ketamine Mediated by the Mechanistic Target of Rapamycin, Nitric Oxide, and Rheb. <i>Neurotherapeutics</i> , 2017, 14, 728-733.	4.4	9
52	DISC1 in Astrocytes Influences Adult Neurogenesis and Hippocampus-Dependent Behaviors in Mice. <i>Neuropsychopharmacology</i> , 2017, 42, 2242-2251.	5.4	50
53	Mutant Huntingtin Disrupts the Nuclear Pore Complex. <i>Neuron</i> , 2017, 94, 93-107.e6.	8.1	274
54	Measuring G-protein-coupled Receptor Signaling via Radio-labeled GTP Binding. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8

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55	TRPV1 is a physiological regulator of μ -opioid receptors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13561-13566.	7.1	30
56	A Life of Neurotransmitters. Annual Review of Pharmacology and Toxicology, 2017, 57, 1-11.	9.4	25
57	Transcriptional control of amino acid homeostasis is disrupted in Huntington's disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8843-8848.	7.1	63
58	H ₂ S production by reactive oxygen species in the carotid body triggers hypertension in a rodent model of sleep apnea. Science Signaling, 2016, 9, ra80.	3.6	39
59	Cocaine elicits autophagic cytotoxicity via a nitric oxide-GAPDH signaling cascade. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1417-1422.	7.1	58
60	Inositol hexakisphosphate (IP6) generated by IP5K mediates cullin-COP9 signalosome interactions and CRL function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3503-3508.	7.1	33
61	Rheb Inhibits Protein Synthesis by Activating the PERK-eIF2 α Signaling Cascade. Cell Reports, 2015, 10, 684-693.	6.4	43
62	Vernon B. Mountcastle 1918-2015. Nature Neuroscience, 2015, 18, 318-318.	14.8	1
63	Protein Sulfhydration. Methods in Enzymology, 2015, 555, 79-90.	1.0	57
64	Inositol pyrophosphates promote tumor growth and metastasis by antagonizing liver kinase B1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1773-1778.	7.1	84
65	Protein kinase C-regulated production of H ₂ S governs oxygen sensing. Science Signaling, 2015, 8, ra37.	3.6	101
66	Huntington's disease: Neural dysfunction linked to inositol polyphosphate multikinase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9751-9756.	7.1	34
67	Inositol Hexakisphosphate Kinase-3 Regulates the Morphology and Synapse Formation of Cerebellar Purkinje Cells via Spectrin/Adducin. Journal of Neuroscience, 2015, 35, 11056-11067.	3.6	46
68	H ₂ S: A Novel Gasotransmitter that Signals by Sulfhydration. Trends in Biochemical Sciences, 2015, 40, 687-700.	7.5	267
69	Modes of Physiologic H ₂ S Signaling in the Brain and Peripheral Tissues. Antioxidants and Redox Signaling, 2015, 22, 411-423.	5.4	68
70	Human GAPDH Is a Target of Aspirin's Primary Metabolite Salicylic Acid and Its Derivatives. PLoS ONE, 2015, 10, e0143447.	2.5	44
71	Human Genome-Wide RNAi Screen Identifies an Essential Role for Inositol Pyrophosphates in Type-I Interferon Response. PLoS Pathogens, 2014, 10, e1003981.	4.7	68
72	Neurodegeneration in Huntington's disease involves loss of cystathionine β -lyase. Cell Cycle, 2014, 13, 2491-2493.	2.6	38

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73	Rhes, a Striatal-selective Protein Implicated in Huntington Disease, Binds Beclin-1 and Activates Autophagy. <i>Journal of Biological Chemistry</i> , 2014, 289, 3547-3554.	3.4	110
74	Inositol Pyrophosphates Mediate the DNA-PK/ATM-p53 Cell Death Pathway by Regulating CK2 Phosphorylation of Tti1/Tel2. <i>Molecular Cell</i> , 2014, 54, 119-132.	9.7	103
75	AMPA receptor upregulation in the nucleus accumbens shell of cocaine-sensitized rats depends upon S-nitrosylation of stargazin. <i>Neuropharmacology</i> , 2014, 77, 28-38.	4.1	19
76	Inherent variations in CO-H ₂ S-mediated carotid body O ₂ sensing mediate hypertension and pulmonary edema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1174-1179.	7.1	71
77	Inositol hexakisphosphate kinase-1 mediates assembly/disassembly of the CRL4 ^{hHR23} signalosome complex to regulate DNA repair and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16005-16010.	7.1	46
78	Melanopsin mediates light-dependent relaxation in blood vessels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17977-17982.	7.1	98
79	Serine Racemase Regulated by Binding to Stargazin and PSD-95. <i>Journal of Biological Chemistry</i> , 2014, 289, 29631-29641.	3.4	41
80	Cystathionine β -lyase deficiency mediates neurodegeneration in Huntington's disease. <i>Nature</i> , 2014, 509, 96-100.	27.8	336
81	D-Serine in Glia and Neurons Derives from 3-Phosphoglycerate Dehydrogenase. <i>Journal of Neuroscience</i> , 2013, 33, 12464-12469.	3.6	100
82	Neuronal nitric oxide synthase and NADPH oxidase interact to affect cognitive, affective, and social behaviors in mice. <i>Behavioural Brain Research</i> , 2013, 256, 320-327.	2.2	31
83	S-nitrosylation of AMPA receptor GluA1 regulates phosphorylation, single-channel conductance, and endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1077-1082.	7.1	86
84	Dexas1, a Small GTPase, Is Required for Glutamate-NMDA Neurotoxicity. <i>Journal of Neuroscience</i> , 2013, 33, 3582-3587.	3.6	60
85	Rhes Deletion Is Neuroprotective in the 3-Nitropropionic Acid Model of Huntington's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 4206-4210.	3.6	49
86	Behavioral Effects of Cocaine Mediated by Nitric Oxide-GAPDH Transcriptional Signaling. <i>Neuron</i> , 2013, 78, 623-630.	8.1	27
87	Gene transcription by p53 requires inositol polyphosphate multikinase as a co-activator. <i>Cell Cycle</i> , 2013, 12, 1819-1820.	2.6	14
88	Sulfhydration mediates neuroprotective actions of parkin. <i>Nature Communications</i> , 2013, 4, 1626.	12.8	265
89	Inositol polyphosphate multikinase is a transcriptional coactivator required for immediate early gene induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16181-16186.	7.1	33
90	Science interminable: Blame Ben?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2428-2429.	7.1	32

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91	Dexas1 mediates glucocorticoid-associated adipogenesis and diet-induced obesity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20575-20580.	7.1	39
92	Inositol polyphosphate multikinase is a coactivator for serum response factor-dependent induction of immediate early genes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19938-19943.	7.1	30
93	Inositol Polyphosphate Multikinase Is a Coactivator of p53-Mediated Transcription and Cell Death. Science Signaling, 2013, 6, ra22.	3.6	45
94	AMP-activated protein kinase is physiologically regulated by inositol polyphosphate multikinase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 616-620.	7.1	55
95	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
96	The conversion of H ₂ S to sulfane sulfur: authors' response. Nature Reviews Molecular Cell Biology, 2012, 13, 803-803.	37.0	8
97	Cyclic AMP-dependent phosphorylation of neuronal nitric oxide synthase mediates penile erection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16624-16629.	7.1	95
98	Hydrogen Sulfide-Linked Sulfhydration of NF- κ B Mediates Its Antiapoptotic Actions. Molecular Cell, 2012, 45, 13-24.	9.7	626
99	Brain d-amino acids: a novel class of neuromodulators. Amino Acids, 2012, 43, 1809-1810.	2.7	15
100	H ₂ S signalling through protein sulfhydration and beyond. Nature Reviews Molecular Cell Biology, 2012, 13, 499-507.	37.0	716
101	Hydrogen sulfide: a gasotransmitter of clinical relevance. Journal of Molecular Medicine, 2012, 90, 255-263.	3.9	184
102	Hydrogen sulfide mediates catecholamine secretion elicited by hypoxia in the carotid body. FASEB Journal, 2012, 26, 897.8.	0.5	0
103	Inositol polyphosphate multikinase is a physiologic PI3-kinase that activates Akt/PKB. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1391-1396.	7.1	107
104	Inositol hexakisphosphate kinase 1 regulates neutrophil function in innate immunity by inhibiting phosphatidylinositol-(3,4,5)-trisphosphate signaling. Nature Immunology, 2011, 12, 752-760.	14.5	76
105	What dopamine does in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18869-18871.	7.1	21
106	Amino Acid Signaling to mTOR Mediated by Inositol Polyphosphate Multikinase. Cell Metabolism, 2011, 13, 215-221.	16.2	127
107	Glutathione is a physiologic reservoir of neuronal glutamate. Biochemical and Biophysical Research Communications, 2011, 409, 596-602.	2.1	63
108	S-Nitrosylation and S-Palmitoylation Reciprocally Regulate Synaptic Targeting of PSD-95. Neuron, 2011, 71, 131-141.	8.1	142

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109	Role for mTOR Signaling and Neuronal Activity in Morphine-Induced Adaptations in Ventral Tegmental Area Dopamine Neurons. <i>Neuron</i> , 2011, 72, 977-990.	8.1	122
110	Huntington's Disease is a disorder of the corpus striatum: Focus on Rhes (Ras homologue enriched in Tj ETQq000 rgBT / Overlock 1	4.1	51
111	Constituents of bile, bilirubin and TUDCA, protect against oxidative stress-induced retinal degeneration. <i>Journal of Neurochemistry</i> , 2011, 116, 144-153.	3.9	96
112	Hydrogen Sulfide as Endothelium-Derived Hyperpolarizing Factor Sulfhydrates Potassium Channels. <i>Circulation Research</i> , 2011, 109, 1259-1268.	4.5	531
113	Mind Molecules. <i>Journal of Biological Chemistry</i> , 2011, 286, 21023-21032.	3.4	2
114	Casein kinase-2 mediates cell survival through phosphorylation and degradation of inositol hexakisphosphate kinase-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2205-2209.	7.1	41
115	Nutrient amino acids signal to mTOR via inositol polyphosphate multikinase. <i>Cell Cycle</i> , 2011, 10, 1708-1710.	2.6	9
116	Inositol pyrophosphates in cell death and life. <i>Cell Cycle</i> , 2011, 10, 568-570.	2.6	4
117	Inositol Pyrophosphates as Mammalian Cell Signals. <i>Science Signaling</i> , 2011, 4, re1.	3.6	137
118	Serotonin, cytokines, p11, and depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8923-8924.	7.1	15
119	Neurotrophin-mediated degradation of histone methyltransferase by S-nitrosylation cascade regulates neuronal differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20178-20183.	7.1	67
120	Hydrogen sulfide as a gasotransmitter. <i>Journal of Neurochemistry</i> , 2010, 113, 14-26.	3.9	422
121	GAPDH mediates nitrosylation of nuclear proteins. <i>Nature Cell Biology</i> , 2010, 12, 1094-1100.	10.3	364
122	Death-Associated Protein Kinase-Mediated Cell Death Modulated by Interaction with DANGER. <i>Journal of Neuroscience</i> , 2010, 30, 93-98.	3.6	35
123	Aspartate racemase, generating neuronal D-aspartate, regulates adult neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3175-3179.	7.1	125
124	H ₂ S mediates O ₂ sensing in the carotid body. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10719-10724.	7.1	344
125	Rhes, a Physiologic Regulator of Sumoylation, Enhances Cross-sumoylation between the Basic Sumoylation Enzymes E1 and Ubc9. <i>Journal of Biological Chemistry</i> , 2010, 285, 20428-20432.	3.4	78
126	Serine Racemase Deletion Protects Against Cerebral Ischemia and Excitotoxicity. <i>Journal of Neuroscience</i> , 2010, 30, 1413-1416.	3.6	91

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127	p53-mediated apoptosis requires inositol hexakisphosphate kinase-2. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20947-20951.	7.1	99
128	Inositol Pyrophosphates Inhibit Akt Signaling, Thereby Regulating Insulin Sensitivity and Weight Gain. Cell, 2010, 143, 897-910.	28.9	328
129	Protein modifications involved in neurotransmitter and gasotransmitter signaling. Trends in Neurosciences, 2010, 33, 493-502.	8.6	49
130	Rhes, a Striatal Specific Protein, Mediates Mutant-Huntingtin Cytotoxicity. Science, 2009, 324, 1327-1330.	12.6	302
131	S-nitrosylation of stargazin regulates surface expression of AMPA-glutamate neurotransmitter receptors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16440-16445.	7.1	68
132	Neurotransmitters, Receptors, and Second Messengers Galore in 40 Years. Journal of Neuroscience, 2009, 29, 12717-12721.	3.6	18
133	Glutamatergic regulation of serine racemase via reversal of PIP2 inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2921-2926.	7.1	60
134	Robert Furchgott (1916â€“2009). Nature, 2009, 460, 47-47.	27.8	5
135	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
136	Molecules of Madness. Cell, 2009, 139, 1212-1215.	28.9	2
137	GOSPEL: A Neuroprotective Protein that Binds to GAPDH upon S-Nitrosylation. Neuron, 2009, 63, 81-91.	8.1	123
138	H ₂ S Signals Through Protein S-Sulfhydration. Science Signaling, 2009, 2, ra72.	3.6	1,050
139	Signaling by Gasotransmitters. Science Signaling, 2009, 2, re2.	3.6	381
140	Inositol Hexakisphosphate Kinase Products Contain Diphosphate and Triphosphate Groups. Chemistry and Biology, 2008, 15, 274-286.	6.0	100
141	A complex in psychosis. Nature, 2008, 452, 38-39.	27.8	11
142	Nitric oxide-induced nuclear GAPDH activates p300/CBP and mediates apoptosis. Nature Cell Biology, 2008, 10, 866-873.	10.3	353
143	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
144	Modulation of d-Serine Levels in Brains of Mice Lacking PICK1. Biological Psychiatry, 2008, 63, 997-1000.	1.3	42

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145	Regulation of AMPA receptor localization in lipid rafts. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 213-223.	2.2	70
146	<i>S</i> -nitrosylation/activation of COX-2 mediates NMDA neurotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10537-10540.	7.1	90
147	TRP_2, a Lipid/Trafficking Domain That Mediates Diacylglycerol-induced Vesicle Fusion. <i>Journal of Biological Chemistry</i> , 2008, 283, 34384-34392.	3.4	26
148	Gene deletion of inositol hexakisphosphate kinase 1 reveals inositol pyrophosphate regulation of insulin secretion, growth, and spermiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2349-2353.	7.1	128
149	Regulation of Telomere Length by Fatty Acid Elongase 3 in Yeast. <i>Journal of Biological Chemistry</i> , 2008, 283, 27514-27524.	3.4	29
150	HSP90 regulates cell survival via inositol hexakisphosphate kinase-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1134-1139.	7.1	106
151	Seeking God in the Brain – Efforts to Localize Higher Brain Functions. <i>New England Journal of Medicine</i> , 2008, 358, 6-7.	27.0	17
152	Palonosetron Exhibits Unique Molecular Interactions with the 5-HT ₃ Receptor. <i>Anesthesia and Analgesia</i> , 2008, 107, 469-478.	2.2	215
153	Antipsychotic drug-induced weight gain mediated by histamine H ₁ receptor-linked activation of hypothalamic AMP-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3456-3459.	7.1	360
154	The Cationic Amino Acid Transporters CAT1 and CAT3 Mediate NMDA Receptor Activation-Dependent Changes in Elaboration of Neuronal Processes via the Mammalian Target of Rapamycin mTOR Pathway. <i>Journal of Neuroscience</i> , 2007, 27, 449-458.	3.6	52
155	Neuronal growth and survival mediated by eIF5A, a polyamine-modified translation initiation factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4194-4199.	7.1	48
156	Nitric oxide S-nitrosylates serine racemase, mediating feedback inhibition of D-serine formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2950-2955.	7.1	126
157	Inositol Pyrophosphate Pyrotechnics. <i>Cell Metabolism</i> , 2007, 5, 321-323.	16.2	12
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