Ilya B Bezprozvanny

List of Publications by Year
in descending order

144 papers	12,037 citations	22153 59 h-index	27406 106 g-index
171 all docs	171 docs citations	171 times ranked	11122 citing authors

#	Article	IF	Citations
1	Electrophysiological Studies Support Utility of Positive Modulators of SK Channels for the Treatment of Spinocerebellar Ataxia Type 2. Cerebellum, 2022, 21, 742-749.	2.5	6
2	CaMKIIÎ² knockdown decreases store-operated calcium entry in hippocampal dendritic spines. IBRO Neuroscience Reports, 2022, 12, 90-97.	1.6	8
3	Structureâ€"Activity Relationship Study of Subtype-Selective Positive Modulators of K_{Ca}2 Channels. Journal of Medicinal Chemistry, 2022, 65, 303-322.	6.4	9
4	Cytoskeleton Protein EB3 Contributes to Dendritic Spines Enlargement and Enhances Their Resilience to Toxic Effects of Beta-Amyloid. International Journal of Molecular Sciences, 2022, 23, 2274.	4.1	2
5	TREM2 and calcium signaling in microglia â€" is it relevant for Alzheimer's disease?. Cell Calcium, 2022, 104, 102584.	2.4	0
6	In vivo analysis of the spontaneous firing of cerebellar Purkinje cells in awake transgenic mice that model spinocerebellar ataxia type 2. Cell Calcium, 2021, 93, 102319.	2.4	8
7	Association with proteasome determines pathogenic threshold of polyglutamine expansion diseases. Biochemical and Biophysical Research Communications, 2021, 536, 95-99.	2.1	1
8	Optogenetic and chemogenetic modulation of astroglial secretory phenotype. Reviews in the Neurosciences, 2021, 32, 459-479.	2.9	11
9	Sigma-1 Receptor (S1R) Interaction with Cholesterol: Mechanisms of S1R Activation and Its Role in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 4082.	4.1	24
10	Normalization of Calcium Balance in Striatal Neurons in Huntingtonâ€™s Disease: Sigma 1 Receptor as a Potential Target for Therapy. Biochemistry (Moscow), 2021, 86, 471-479.	1.5	3
11	Presynaptic store-operated Ca2+ entry drives excitatory spontaneous neurotransmission and augments endoplasmic reticulum stress. Neuron, 2021, 109, 1314-1332.e5.	8.1	49
12	The role of Bcl-2 proteins in modulating neuronal Ca2+ signaling in health and in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118997.	4.1	31
13	Differences in Recycling of Apolipoprotein E3 and E4â€"LDL Receptor Complexesâ€"A Mechanistic Hypothesis. International Journal of Molecular Sciences, 2021, 22, 5030.	4.1	3
14	The role of sigma 1 receptor in organization of endoplasmic reticulum signaling microdomains. ELife, 2021, 10, .	6.0	40
15	Genetic Constructs for the Control of Astrocytesâ€™ Activity. Cells, 2021, 10, 1600.	4.1	11
16	Balancing ER-Mitochondrial Ca2+ Fluxes in Health and Disease. Trends in Cell Biology, 2021, 31, 598-612.	7.9	69
17	Optogenetic Activation of Astrocytesâ€"Effects on Neuronal Network Function. International Journal of Molecular Sciences, 2021, 22, 9613.	4.1	16
18	Sigma 1 Receptor, Cholesterol and Endoplasmic Reticulum Contact Sites. Contact (Thousand Oaks) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	2

#	Article	IF	Citations
19	NeuroInfoViewer: A Software Package for Analysis of Miniscope Data. Neuroscience and Behavioral Physiology, 2021, 51, 1199-1205.	0.4	2
20	Conformational Models of APP Processing by Gamma Secretase Based on Analysis of Pathogenic Mutations. International Journal of Molecular Sciences, 2021, 22, 13600.	4.1	4
21	Presynaptic endoplasmic reticulum and neurotransmission. Cell Calcium, 2020, 85, 102133.	2.4	8
22	Dendritic Spines Shape Analysisâ€"Classification or Clusterization? Perspective. Frontiers in Synaptic Neuroscience, 2020, 12, 31.	2.5	81
23	Ataxic Symptoms in Huntingtonâ€™s Disease Transgenic Mouse Model Are Alleviated by Chlorzoxazone. Frontiers in Neuroscience, 2020, 14, 279.	2.8	11
24	Reversal of Calcium Dysregulation as Potential Approach for Treating Alzheimer's Disease. Current Alzheimer Research, 2020, 17, 344-354.	1.4	18
25	Molecular Mechanisms and Therapeutics for Spinocerebellar Ataxia Type 2. Neurotherapeutics, 2019, 16, 1050-1073.	4.4	31
26	Neuronal Sigma-1 Receptors: Signaling Functions and Protective Roles in Neurodegenerative Diseases. Frontiers in Neuroscience, 2019, 13, 862.	2.8	121
27	Mutational Analysis of Sigma-1 Receptorâ€™s Role in Synaptic Stability. Frontiers in Neuroscience, 2019, 13, 1012.	2.8	14
28	Light-sheet microscopy of cleared tissues with isotropic, subcellular resolution. Nature Methods, 2019, 16, 1109-1113.	19.0	128
29	Light Stimulation Parameters Determine Neuron Dynamic Characteristics. Applied Sciences (Switzerland), 2019, 9, 3673.	2.5	13
30	Derivatives of Piperazines as Potential Therapeutic Agents for Alzheimerâ€™s Disease. Molecular Pharmacology, 2019, 95, 337-348.	2.3	26
31	Antagonist of neuronal store-operated calcium entry exerts beneficial effects in neurons expressing PSEN1Î"E9 mutant linked to familial Alzheimer disease. Neuroscience, 2019, 410, 118-127.	2.3	19
32	Amyloid Î² perturbs elevated heme flux induced with neuronal development. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 27-37.	3.7	8
33	Calcium hypothesis of neurodegeneration â€" An update. Biochemical and Biophysical Research Communications, 2019, 520, 667-669.	2.1	6
34	Pridopidine stabilizes mushroom spines in mouse models of Alzheimer's disease by acting on the sigma-1 receptor. Neurobiology of Disease, 2019, 124, 489-504.	4.4	56
35	Reactions of Cyclometalated Platinum(II) [Pt(N^{â^§}C)(PR₃)Cl] Complexes with Imidazole and Imidazole-Containing Biomolecules: Fine-Tuning of Reactivity and Photophysical Properties via Ligand Design. Inorganic Chemistry, 2019, 58, 204-217.	4.0	26
36	Inositol 1,4,5â€trisphosphate receptors and neurodegenerative disorders. FEBS Journal, 2018, 285, 3547-3565.	4.7	59

#	Article	IF	Citations
37	STIM proteins as regulators of neuronal store-operated calcium influx. Neurodegenerative Disease Management, 2018, 8, 5-7.	2.2	6
38	Inhibition of TRPC1-Dependent Store-Operated Calcium Entry Improves Synaptic Stability and Motor Performance in a Mouse Model of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2018, 7, 35-50.	1.9	49
39	Pin1 mediates AÎ² ₄₂ -induced dendritic spine loss. Science Signaling, 2018, 11, .	3.6	23
40	Calcium signaling and molecular mechanisms underlying neurodegenerative diseases. Cell Calcium, 2018, 70, 87-94.	2.4	248
41	Dynamic Microtubules in Alzheimerâ€™s Disease: Association with Dendritic Spine Pathology. Biochemistry (Moscow), 2018, 83, 1068-1074.	1.5	18
42	In Vivo Analysis of the Climbing Fiber-Purkinje Cell Circuit in SCA2-58Q Transgenic Mouse Model. Cerebellum, 2018, 17, 590-600.	2.5	11
43	Dysregulation of Intracellular Calcium Signaling in Alzheimer's Disease. Antioxidants and Redox Signaling, 2018, 29, 1176-1188.	5.4	71
44	Misery loves company â€“ shared features of neurodegenerative disorders. Biochemical and Biophysical Research Communications, 2017, 483, 979-980.	2.1	1
45	The sigma-1 receptor mediates the beneficial effects of pridopidine in a mouse model of Huntington disease. Neurobiology of Disease, 2017, 97, 46-59.	4.4	105
46	Dysregulation of neuronal calcium homeostasis in Alzheimer's disease â€“ A therapeutic opportunity?. Biochemical and Biophysical Research Communications, 2017, 483, 998-1004.	2.1	172
47	Stim2-Eb3 Association and Morphology of Dendritic Spines in Hippocampal Neurons. Scientific Reports, 2017, 7, 17625.	3.3	37
48	Neurons from skin mimic brain holes. Oncotarget, 2017, 8, 8997-8998.	1.8	4
49	Mutational re-modeling of di-aspartyl intramembrane proteases: uncoupling physiologically-relevant activities from those associated with Alzheimerâ€™s disease. Oncotarget, 2017, 8, 82006-82026.	1.8	2
50	Hyperexpression of STIM2 protein lowers the amount of Abeta plaques in the brain of Alzheimer's disease mouse model. St Petersburg Polytechnical University Journal Physics and Mathematics, 2016, 2, 329-336.	0.3	1
51	The 2.2â€Angstrom resolution crystal structure of the carboxyâ€terminal region of ataxinâ€3. FEBS Open Bio, 2016, 6, 168-178.	2.3	12
52	Store-Operated Calcium Channel Complex in Postsynaptic Spines: A New Therapeutic Target for Alzheimer's Disease Treatment. Journal of Neuroscience, 2016, 36, 11837-11850.	3.6	103
53	In vivo analysis of cerebellar Purkinje cell activity in SCA2 transgenic mouse model. Journal of Neurophysiology, 2016, 115, 2840-2851.	1.8	57
54	Sigma-1 receptor as a potential pharmacological target for the treatment of neuropathology. St Petersburg Polytechnical University Journal Physics and Mathematics, 2016, 2, 31-40.	0.3	5

#	Article	IF	Citations
55	The limitation of the Purkinje cellsâ€™ impulse activity in the laboratory mice's cerebellum by in vivo activation of SK channels. St Petersburg Polytechnical University Journal Physics and Mathematics, 2016, 2, 117-123.	0.3	0
56	AF710B, a Novel M1/Ïƒ1 Agonist with Therapeutic Efficacy in Animal Models of Alzheimer's Disease. Neurodegenerative Diseases, 2016, 16, 95-110.	1.4	59
57	Enhanced Store-Operated Calcium Entry Leads to Striatal Synaptic Loss in a Huntington's Disease Mouse Model. Journal of Neuroscience, 2016, 36, 125-141.	3.6	127
58	Autism-Associated Chromatin Regulator Brg1/SmarcA4 Is Required for Synapse Development and Myocyte Enhancer Factor 2-Mediated Synapse Remodeling. Molecular and Cellular Biology, 2016, 36, 70-83.	2.3	40
59	STIM2 protects hippocampal mushroom spines from amyloid synaptotoxicity. Molecular Neurodegeneration, 2015, 10, 37.	10.8	62
60	Restoring calcium homeostasis to treat Alzheimer's disease: a future perspective. Neurodegenerative Disease Management, 2015, 5, 395-398.	2.2	27
61	Calcium Signaling, Excitability, and Synaptic Plasticity Defects in a Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 45, 561-580.	2.6	61
62	Disturbed calcium signaling in spinocerebellar ataxias and Alzheimer's disease. Seminars in Cell and Developmental Biology, 2015, 40, 127-133.	5.0	47
63	Neuronal Store-Operated Calcium Entry and Mushroom Spine Loss in Amyloid Precursor Protein Knock-In Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2015, 35, 13275-13286.	3.6	158
64	An Automated and Quantitative Method to Evaluate Progression of Striatal Pathology in Huntington's Disease Transgenic Mice. Journal of Huntington's Disease, 2014, 3, 343-350.	1.9	4
65	The role of ryanodine receptor type 3 in a mouse model of Alzheimer disease. Channels, 2014, 8, 230-242.	2.8	61
66	Reduced Synaptic STIM2 Expression and Impaired Store-Operated Calcium Entry Cause Destabilization of Mature Spines in Mutant Presenilin Mice. Neuron, 2014, 82, 79-93.	8.1	229
67	Intracellular calcium channels: Inositol-1,4,5-trisphosphate receptors. European Journal of Pharmacology, 2014, 739, 39-48.	3.5	38
68	Can the Calcium Hypothesis Explain Synaptic Loss in Alzheimer's Disease?. Neurodegenerative Diseases, 2014, 13, 139-141.	1.4	26
69	Simplified method to perform CLARITY imaging. Molecular Neurodegeneration, 2014, 9, 19.	10.8	42
70	Investigation of low amyloid level toxicity effects on the function of hippocampal neurons. Open Life Sciences, 2014, 10, .	1.4	0
71	The synaptic maintenance problem: membrane recycling, Ca2+ homeostasis and late onset degeneration. Molecular Neurodegeneration, 2013, 8, 23.	10.8	76
72	Preparation of Microsomes to Study Ca²⁺ Channels. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot073098.	0.3	3

#	Article	IF	Citations
73	Reconstitution of Endoplasmic Reticulum InsP3 Receptors into Black Lipid Membranes. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot073106-pdb.prot073106.	0.3	1
74	Bilayer Measurement of Endoplasmic Reticulum Ca2+ Channels. Cold Spring Harbor Protocols, 2013, 2013, pdb.top066225-pdb.top066225.	0.3	2
75	Presenilins and Calcium Signalingâ€"Systems Biology to the Rescue. Science Signaling, 2013, 6, pe24.	3.6	23
76	Role of endoplasmic reticulum Ca2+ signaling in the pathogenesis of Alzheimer disease. Frontiers in Molecular Neuroscience, 2013, 6, 29.	2.9	89
77	Response to Shilling et al. (10.1074/jbc.M111.300491). Journal of Biological Chemistry, 2012, 287, 20469.	3.4	12
78	Presenilins, Deranged Calcium Homeostasis, Synaptic Loss and Dysfunction in Alzheimer's Disease. Messenger (Los Angeles, Calif: Print), 2012, 1, 53-62.	0.3	19
79	Selective Positive Modulator of Calcium-Activated Potassium Channels Exerts Beneficial Effects in a Mouse Model of Spinocerebellar Ataxia Type 2. Chemistry and Biology, 2012, 19, 1340-1353.	6.0	126
80	Chronic Suppression of Inositol 1,4,5-Triphosphate Receptor-Mediated Calcium Signaling in Cerebellar Purkinje Cells Alleviates Pathological Phenotype in Spinocerebellar Ataxia 2 Mice. Journal of Neuroscience, 2012, 32, 12786-12796.	3.6	101
81	Deranged Calcium Signaling in Purkinje Cells and Pathogenesis in Spinocerebellar Ataxia 2 (SCA2) and Other Ataxias. Cerebellum, 2012, 11, 630-639.	2.5	120
82	Presenilins: A novel link between intracellular calcium signaling and lysosomal function?. Journal of Cell Biology, 2012, 198, 7-10.	5.2	16
83	Presenilins function in ER calcium leak and Alzheimer's disease pathogenesis. Cell Calcium, 2011, 50, 303-309.	2.4	81
84	Expanded Polyglutamine-Binding Peptoid as a Novel Therapeutic Agent for Treatment of Huntington's Disease. Chemistry and Biology, 2011, 18, 1113-1125.	6.0	40
85	Role of Inositol 1,4,5-Trishosphate Receptors in Pathogenesis of Huntingtonâ€™s Disease and Spinocerebellar Ataxias. Neurochemical Research, 2011, 36, 1186-1197.	3.3	82
86	Presenilins as endoplasmic reticulum calcium leak channels and Alzheimerâ€™s disease pathogenesis. Science China Life Sciences, 2011, 54, 744-751.	4.9	18
87	Dantrolene is neuroprotective in Huntington's disease transgenic mouse model. Molecular Neurodegeneration, 2011, 6, 81.	10.8	93
88	Neuronal Store-Operated Calcium Entry Pathway asÂaÂNovel Therapeutic Target forÂHuntington'sÂDisease Treatment. Chemistry and Biology, 2011, 18, 777-793.	6.0	132
89	Mutagenesis Mapping of the Presenilin 1 Calcium Leak Conductance Pore. Journal of Biological Chemistry, 2011, 286, 22339-22347.	3.4	63
90	Familial Alzheimer's Disease Mutations in Presenilins: Effects on Endoplasmic Reticulum Calcium Homeostasis and Correlation with Clinical Phenotypes. Journal of Alzheimer's Disease, 2010, 21, 781-793.	2.6	70

#	Article	IF	Citations
91	The dysregulation of intracellular calcium in Alzheimer disease. Cell Calcium, 2010, 47, 183-189.	2.4	289
92	Tetrabenazine is neuroprotective in Huntington's disease mice. Molecular Neurodegeneration, 2010, 5, 18.	10.8	70
93	Role of Presenilins in Neuronal Calcium Homeostasis. Journal of Neuroscience, 2010, 30, 8566-8580.	3.6	158
94	Corticostriatal circuit dysfunction in Huntingtonâ€™s disease: intersection of glutamate, dopamine and calcium. Future Neurology, 2010, 5, 735-756.	0.5	56
95	Inositol 1,4,5-Tripshosphate Receptor, Calcium Signaling, and Polyglutamine Expansion Disorders. Current Topics in Membranes, 2010, 66, 323-341.	0.9	0
96	Neuronal Calcium Signaling, Mitochondrial Dysfunction, and Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 20, S487-S498.	2.6	129
97	The rise and fall of Dimebon. Drug News and Perspectives, 2010, 23, 518.	1.5	89
98	Neuroprotective Effects of Inositol 1,4,5-Trisphosphate Receptor C-Terminal Fragment in a Huntington's Disease Mouse Model. Journal of Neuroscience, 2009, 29, 1257-1266.	3.6	87
99	Secondary Structure of Huntingtin Amino-Terminal Region. Structure, 2009, 17, 1205-1212.	3.3	216
100	Ginsenosides protect striatal neurons in a cellular model of Huntington's disease. Journal of Neuroscience Research, 2009, 87, 1904-1912.	2.9	72
101	Acute dosing of latrepirdine (Dimebonâ„¢), a possible Alzheimer therapeutic, elevates extracellular amyloid-Î² levels in vitro and in vivo. Molecular Neurodegeneration, 2009, 4, 51.	10.8	39
102	Allele-specific silencing of mutant huntingtin and ataxin-3 genes by targeting expanded CAG repeats in mRNAs. Nature Biotechnology, 2009, 27, 478-484.	17.5	218
103	Calcium signaling and neurodegenerative diseases. Trends in Molecular Medicine, 2009, 15, 89-100.	6.7	393
104	Deranged Calcium Signaling and Neurodegeneration in Spinocerebellar Ataxia Type 2. Journal of Neuroscience, 2009, 29, 9148-9162.	3.6	252
105	Amyloid Goes Global. Science Signaling, 2009, 2, pe16.	3.6	18
106	Therapeutic prospects for spinocerebellar ataxia type 2 and 3. Drugs of the Future, 2009, 34, 991.	0.1	17
107	Evaluation of Dimebon in cellular model of Huntington's disease. Molecular Neurodegeneration, 2008, 3, 15.	10.8	107
108	Elucidating a normal function of huntingtin by functional and microarray analysis of huntingtin-null mouse embryonic fibroblasts. BMC Neuroscience, 2008, 9, 38.	1.9	31

#	Article	IF	Citations
109	Full length mutant huntingtin is required for altered Ca2+ signaling and apoptosis of striatal neurons in the YAC mouse model of Huntington's disease. Neurobiology of Disease, 2008, 31, 80-88.	4.4	110
110	Neuronal calcium mishandling and the pathogenesis of Alzheimer's disease. Trends in Neurosciences, 2008, 31, 454-463.	8.6	772
111	Deranged Calcium Signaling and Neurodegeneration in Spinocerebellar Ataxia Type 3. Journal of Neuroscience, 2008, 28, 12713-12724.	3.6	198
112	Dopaminergic Signaling and Striatal Neurodegeneration in Huntington's Disease. Journal of Neuroscience, 2007, 27, 7899-7910.	3.6	181
113	Familial Alzheimer diseaseâ€“linked mutations specifically disrupt Ca2+ leak function of presenilin 1. Journal of Clinical Investigation, 2007, 117, 1230-1239.	8.2	206
114	Presenilins Form ER Ca2+ Leak Channels, a Function Disrupted by Familial Alzheimer's Disease-Linked Mutations. Cell, 2006, 126, 981-993.	28.9	605
115	Evaluation of clinically relevant glutamate pathway inhibitors in in vitro model of Huntington's disease. Neuroscience Letters, 2006, 407, 219-223.	2.1	54
116	Molecular Pathogenesis of Huntington's Disease: The Role of Excitotoxicity. , 2006, , 251-260.		1
117	The inositol 1,4,5-trisphosphate receptors. Cell Calcium, 2005, 38, 261-272.	2.4	207
118	Reelin Modulates NMDA Receptor Activity in Cortical Neurons. Journal of Neuroscience, 2005, 25, 8209-8216.	3.6	254
119	Association of CaV1.3 L-Type Calcium Channels with Shank. Journal of Neuroscience, 2005, 25, 1037-1049.	3.6	135
120	Disturbed Ca2+ signaling and apoptosis of medium spiny neurons in Huntington's disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2602-2607.	7.1	336
121	Functional Characterization of Mammalian Inositol 1,4,5-Trisphosphate Receptor Isoforms. Biophysical Journal, 2005, 88, 1046-1055.	0.5	113
122	Modulation of Mammalian Inositol 1,4,5-Trisphosphate Receptor Isoforms by Calcium: A Role of Calcium Sensor Region. Biophysical Journal, 2005, 88, 1056-1069.	0.5	99
123	Association of Type 1 Inositol 1,4,5-Trisphosphate Receptor with AKAP9 (Yotiao) and Protein Kinase A. Journal of Biological Chemistry, 2004, 279, 19375-19382.	3.4	67
124	Dopamine Receptor-mediated Ca2+ Signaling in Striatal Medium Spiny Neurons. Journal of Biological Chemistry, 2004, 279, 42082-42094.	3.4	69
125	HAP1 facilitates effects of mutant huntingtin on inositol 1,4,5-trisphosphate-induced Ca2+ release in primary culture of striatal medium spiny neurons. European Journal of Neuroscience, 2004, 20, 1779-1787.	2.6	57
126	Functional Properties of the Drosophila melanogaster Inositol 1,4,5-Trisphosphate Receptor Mutants. Biophysical Journal, 2004, 86, 3634-3646.	0.5	43

#	Article	IF	Citations
127	Functional properties of a pore mutant in theDrosophila melanogasterinositol 1,4,5-trisphosphate receptor. FEBS Letters, 2004, 575, 95-98.	2.8	9
128	Deranged neuronal calcium signaling and Huntington disease. Biochemical and Biophysical Research Communications, 2004, 322, 1310-1317.	2.1	236
129	Functional and Biochemical Analysis of the Type 1 Inositol (1,4,5)-Trisphosphate Receptor Calcium Sensor. Biophysical Journal, 2003, 85, 290-299.	0.5	55
130	Association of the type 1 inositol (1,4,5)-trisphosphate receptor with 4.1N protein in neurons. Molecular and Cellular Neurosciences, 2003, 22, 271-283.	2.2	55
131	Huntingtin and Huntingtin-Associated Protein 1 Influence Neuronal Calcium Signaling Mediated by Inositol-(1,4,5) Triphosphate Receptor Type 1. Neuron, 2003, 39, 227-239.	8.1	442
132	Modulation of Type 1 Inositol (1,4,5)-Trisphosphate Receptor Function by Protein Kinase A and Protein Phosphatase 1Î±. Journal of Neuroscience, 2003, 23, 403-415.	3.6	146
133	The high-affinity calciumâ€“calmodulin-binding site does not play a role in the modulation of type 1 inositol 1,4,5-trisphosphate receptor function by calcium and calmodulin. Biochemical Journal, 2002, 365, 659-667.	3.7	33
134	PDZ domains: evolving classification. FEBS Letters, 2002, 512, 347-349.	2.8	5
135	Functional Characterization of the Type 1 Inositol 1,4,5-Trisphosphate Receptor Coupling Domain SII(Â±) Splice Variants and the Opisthotonos Mutant Form. Biophysical Journal, 2002, 82, 1995-2004.	0.5	45
136	Synaptic Targeting of N-Type Calcium Channels in Hippocampal Neurons. Journal of Neuroscience, 2002, 22, 6939-6952.	3.6	180
137	Maintaining the Stability of Neural Function: A Homeostatic Hypothesis. Annual Review of Physiology, 2001, 63, 847-869.	13.1	268
138	Classification of PDZ domains. FEBS Letters, 2001, 509, 457-462.	2.8	113
139	PDZ domains: More than just a glue. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 787-789.	7.1	97
140	Association of the Inositol (1,4,5)-Trisphosphate Receptor Ligand Binding Site with Phosphatidylinositol (4,5)-Bisphosphate and Adenophostin A. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2000, 3, 153-158.	1.6	22
141	Association of Neuronal Calcium Channels with Modular Adaptor Proteins. Journal of Biological Chemistry, 1999, 274, 24453-24456.	3.4	275
142	Single-Channel Properties of Inositol (1,4,5)-Trisphosphate Receptor Heterologously Expressed in HEK-293 Cells. Journal of General Physiology, 1998, 111, 847-856.	1.9	68
143	Functional Coupling of Phosphatidylinositol 4,5-Bisphosphate to Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1998, 273, 14067-14070.	3.4	71
144	ATP modulates the function of inositol 1,4,5-trisphosphate-gated channels at two sites. Neuron, 1993, 10, 1175-1184.	8.1	168