

Isaac N Pessah

List of Publications by Year in descending order

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252
papers

16,478
citations

10986

71
h-index

20358

116
g-index

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all docs

259
docs citations

259
times ranked

12866
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated plasma cytokines in autism spectrum disorders provide evidence of immune dysfunction and are associated with impaired behavioral outcome. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 40-45.	4.1	704
2	Functional interaction between InsP3 receptors and store-operated Htrp3 channels. <i>Nature</i> , 1998, 396, 478-482.	27.8	605
3	Xestospongins: Potent Membrane Permeable Blockers of the Inositol 1,4,5-Trisphosphate Receptor. <i>Neuron</i> , 1997, 19, 723-733.	8.1	561
4	Enhanced dihydropyridine receptor channel activity in the presence of ryanodine receptor. <i>Nature</i> , 1996, 380, 72-75.	27.8	444
5	Mitochondrial Dysfunction in Autism. <i>JAMA - Journal of the American Medical Association</i> , 2010, 304, 2389.	7.4	380
6	The CHARGE Study: An Epidemiologic Investigation of Genetic and Environmental Factors Contributing to Autism. <i>Environmental Health Perspectives</i> , 2006, 114, 1119-1125.	6.0	352
7	<i>In Vitro</i> Biologic Activities of the Antimicrobials Triclocarban, Its Analogs, and Triclosan in Bioassay Screens: Receptor-Based Bioassay Screens. <i>Environmental Health Perspectives</i> , 2008, 116, 1203-1210.	6.0	312
8	The calcium-Ryanodine receptor complex of skeletal and cardiac muscle. <i>Biochemical and Biophysical Research Communications</i> , 1985, 128, 449-456.	2.1	300
9	Aryl hydrocarbon receptor signaling mediates expression of indoleamine 2,3-dioxygenase. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 331-335.	2.1	253
10	Associations of impaired behaviors with elevated plasma chemokines in autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2011, 232, 196-199.	2.3	235
11	Decreased transforming growth factor beta1 in autism: A potential link between immune dysregulation and impairment in clinical behavioral outcomes. <i>Journal of Neuroimmunology</i> , 2008, 204, 149-153.	2.3	221
12	Altered gene expression and function of peripheral blood natural killer cells in children with autism. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 124-133.	4.1	217
13	Altered T cell responses in children with autism. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 840-849.	4.1	217
14	Autism: Maternally derived antibodies specific for fetal brain proteins. <i>NeuroToxicology</i> , 2007, 29, 226-31.	3.0	216
15	Minding the calcium store: Ryanodine receptor activation as a convergent mechanism of PCB toxicity. , 2010, 125, 260-285.		205
16	Autism-specific maternal autoantibodies recognize critical proteins in developing brain. <i>Translational Psychiatry</i> , 2013, 3, e277-e277.	4.8	202
17	Heat and anesthesia induced malignant hyperthermia in an RyR1 knock-in mouse. <i>FASEB Journal</i> , 2006, 20, 329-330.	0.5	179
18	Symposium Overview: Toxicity of Non-Coplanar PCBs. <i>Toxicological Sciences</i> , 1998, 41, 49-61.	3.1	168

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19	Gene expression changes in children with autism. <i>Genomics</i> , 2008, 91, 22-29.	2.9	163
20	Reduced levels of immunoglobulin in children with autism correlates with behavioral symptoms. <i>Autism Research</i> , 2008, 1, 275-283.	3.8	161
21	Coordinated Movement of Cytoplasmic and Transmembrane Domains of RyR1 upon Gating. <i>PLoS Biology</i> , 2009, 7, e1000085.	5.6	155
22	Gating of Store-Operated Channels by Conformational Coupling to Ryanodine Receptors. <i>Molecular Cell</i> , 2000, 6, 421-431.	9.7	152
23	One scorpion, two venoms: Prevenom of <i>Parabuthus transvaalicus</i> acts as an alternative type of venom with distinct mechanism of action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 922-927.	7.1	146
24	Developmental Exposure to Polychlorinated Biphenyls Interferes with Experience-Dependent Dendritic Plasticity and Ryanodine Receptor Expression in Weanling Rats. <i>Environmental Health Perspectives</i> , 2009, 117, 426-435.	6.0	143
25	Murine hippocampal neurons expressing <i>Fmr1</i> gene premutations show early developmental deficits and late degeneration. <i>Human Molecular Genetics</i> , 2010, 19, 196-208.	2.9	143
26	Triclosan impairs excitation-contraction coupling and Ca^{2+} dynamics in striated muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14158-14163.	7.1	139
27	Levels of select PCB and PBDE congeners in human postmortem brain reveal possible environmental involvement in 15q11-q13 duplication autism spectrum disorder. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 589-598.	2.2	138
28	Structure-Activity Relationship for Noncoplanar Polychlorinated Biphenyl Congeners toward the Ryanodine Receptor-Ca ²⁺ Channel Complex Type 1 (RyR1). <i>Chemical Research in Toxicology</i> , 2006, 19, 92-101.	3.3	137
29	Pharmacologic and Functional Characterization of Malignant Hyperthermia in the R163C RyR1 Knock-in Mouse. <i>Anesthesiology</i> , 2006, 105, 1164-1175.	2.5	135
30	Ablation of triadin causes loss of cardiac Ca^{2+} release units, impaired excitation-contraction coupling, and cardiac arrhythmias. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7636-7641.	7.1	135
31	Tipping the Balance of Autism Risk: Potential Mechanisms Linking Pesticides and Autism. <i>Environmental Health Perspectives</i> , 2012, 120, 944-951.	6.0	133
32	Transmembrane Redox Sensor of Ryanodine Receptor Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 35902-35907.	3.4	132
33	Homer Regulates Gain of Ryanodine Receptor Type 1 Channel Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 44722-44730.	3.4	131
34	Signaling defects in iPSC-derived fragile X premutation neurons. <i>Human Molecular Genetics</i> , 2012, 21, 3795-3805.	2.9	129
35	Involvement of multiple intracellular release channels in calcium sparks of skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4380-4385.	7.1	125
36	Neurotoxicity of polychlorinated biphenyls and related organohalogens. <i>Acta Neuropathologica</i> , 2019, 138, 363-387.	7.7	123

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37	Divergent Functional Properties of Ryanodine Receptor Types 1 and 3 Expressed in a Myogenic Cell Line. <i>Biophysical Journal</i> , 2000, 79, 2509-2525.	0.5	117
38	PCB-95 Promotes Dendritic Growth via Ryanodine Receptor-Dependent Mechanisms. <i>Environmental Health Perspectives</i> , 2012, 120, 997-1002.	6.0	117
39	PCB-95 Modulates the Calcium-Dependent Signaling Pathway Responsible for Activity-Dependent Dendritic Growth. <i>Environmental Health Perspectives</i> , 2012, 120, 1003-1009.	6.0	116
40	Polybrominated diphenyl ethers in relation to autism and developmental delay: a case-control study. <i>Environmental Health</i> , 2011, 10, 1.	4.0	115
41	Conformational activation of Ca ²⁺ entry by depolarization of skeletal myotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15793-15798.	7.1	108
42	MECP2 promoter methylation and X chromosome inactivation in autism. <i>Autism Research</i> , 2008, 1, 169-178.	3.8	107
43	Blood Mercury Concentrations in CHARGE Study Children with and without Autism. <i>Environmental Health Perspectives</i> , 2010, 118, 161-166.	6.0	104
44	Long-lived epigenetic interactions between perinatal PBDE exposure and Mecp2308 mutation. <i>Human Molecular Genetics</i> , 2012, 21, 2399-2411.	2.9	104
45	ortho-Substituted Polychlorinated Biphenyls Alter Microsomal Calcium Transport by Direct Interaction with Ryanodine Receptors of Mammalian Brain. <i>Journal of Biological Chemistry</i> , 1997, 272, 15145-15153.	3.4	101
46	The Skeletal L-type Ca ²⁺ Current Is a Major Contributor to Excitation-coupled Ca ²⁺ entry. <i>Journal of General Physiology</i> , 2009, 133, 79-91.	1.9	100
47	PBDEs in 2-5 Year-Old Children from California and Associations with Diet and Indoor Environment. <i>Environmental Science & Technology</i> , 2010, 44, 2648-2653.	10.0	100
48	Chemical synthesis and characterization of maurocalcine, a scorpion toxin that activates Ca ²⁺ -release channel/ryanodine receptors. <i>FEBS Letters</i> , 2000, 469, 179-185.	2.8	98
49	Polychlorinated biphenyls induce caspase-dependent cell death in cultured embryonic rat hippocampal but not cortical neurons via activation of the ryanodine receptor. <i>Toxicology and Applied Pharmacology</i> , 2003, 190, 72-86.	2.8	98
50	Functional Defects in Six Ryanodine Receptor Isoform-1 (RyR1) Mutations Associated with Malignant Hyperthermia and Their Impact on Skeletal Excitation-Contraction Coupling. <i>Journal of Biological Chemistry</i> , 2003, 278, 25722-25730.	3.4	98
51	Enhanced Excitation-Coupled Calcium Entry in Myotubes Expressing Malignant Hyperthermia Mutation R163C Is Attenuated by Dantrolene. <i>Molecular Pharmacology</i> , 2008, 73, 1203-1212.	2.3	95
52	NADH Oxidase Activity of Rat Cardiac Sarcoplasmic Reticulum Regulates Calcium-Induced Calcium Release. <i>Circulation Research</i> , 2004, 94, 478-486.	4.5	94
53	Clustered burst firing in FMR1 premutation hippocampal neurons: amelioration with allopregnanolone. <i>Human Molecular Genetics</i> , 2012, 21, 2923-2935.	2.9	92
54	Aryl hydrocarbon receptor signaling regulates NF- κ B RelB activation during dendritic cell differentiation. <i>Immunology and Cell Biology</i> , 2013, 91, 568-575.	2.3	92

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55	Perinatal exposure to a noncoplanar polychlorinated biphenyl alters tonotopy, receptive fields, and plasticity in rat primary auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7646-7651.	7.1	91
56	Behavioral Correlates of Maternal Antibody Status Among Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1435-1445.	2.7	91
57	Structural aspects of ryanodine action and selectivity. <i>Journal of Medicinal Chemistry</i> , 1987, 30, 710-716.	6.4	90
58	Malignant hyperthermia susceptibility arising from altered resting coupling between the skeletal muscle L-type Ca ²⁺ channel and the type 1 ryanodine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7923-7928.	7.1	88
59	Sparks and Puffs in Oligodendrocyte Progenitors: Cross Talk between Ryanodine Receptors and Inositol Trisphosphate Receptors. <i>Journal of Neuroscience</i> , 2001, 21, 3860-3870.	3.6	87
60	Increased IgG4 levels in children with autism disorder. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 389-395.	4.1	86
61	Functional Coupling between TRPC3 and RyR1 Regulates the Expressions of Key Triadic Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 10042-10048.	3.4	83
62	Principles and Practices of Neurodevelopmental Assessment in Children: Lessons Learned from the Centers for Children's Environmental Health and Disease Prevention Research. <i>Environmental Health Perspectives</i> , 2005, 113, 1437-1446.	6.0	82
63	Formulation and Characterization of an Experimental PCB Mixture Designed to Mimic Human Exposure from Contaminated Fish. <i>Toxicological Sciences</i> , 2005, 88, 400-411.	3.1	80
64	Nonspecific sarcolemmal cation channels are critical for the pathogenesis of malignant hyperthermia. <i>FASEB Journal</i> , 2013, 27, 991-1000.	0.5	79
65	Brief Report: Plasma Leptin Levels are Elevated in Autism: Association with Early Onset Phenotype?. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 169-175.	2.7	77
66	Enantiomeric Specificity of (±)-2,2,3,3,6,6-Hexachlorobiphenyl toward Ryanodine Receptor Types 1 and 2. <i>Chemical Research in Toxicology</i> , 2009, 22, 201-207.	3.3	77
67	Trophoblast Inclusions Are Significantly Increased in the Placentas of Children in Families at Risk for Autism. <i>Biological Psychiatry</i> , 2013, 74, 204-211.	1.3	77
68	Triclosan Impairs Swimming Behavior and Alters Expression of Excitation-Contraction Coupling Proteins in Fathead Minnow (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2013, 47, 2008-2017.	10.0	77
69	A Prospective Study of Environmental Exposures and Early Biomarkers in Autism Spectrum Disorder: Design, Protocols, and Preliminary Data from the MARBLES Study. <i>Environmental Health Perspectives</i> , 2018, 126, 117004.	6.0	77
70	Identification of Hyperreactive Cysteines within Ryanodine Receptor Type 1 by Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2004, 279, 34514-34520.	3.4	75
71	Association of a mutation in the ryanodine receptor 1 gene with equine malignant hyperthermia. <i>Muscle and Nerve</i> , 2004, 30, 356-365.	2.2	75
72	Mice expressing T4826L-RYR1 are viable but exhibit sex- and genotype-dependent susceptibility to malignant hyperthermia and muscle damage. <i>FASEB Journal</i> , 2012, 26, 1311-1322.	0.5	75

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73	Dyspedic Mouse Skeletal Muscle Expresses Major Elements of the Triadic Junction but Lacks Detectable Ryanodine Receptor Protein and Function. <i>Journal of Biological Chemistry</i> , 1997, 272, 7360-7367.	3.4	73
74	<i>Para-</i> and <i>Ortho-</i> -Substitutions Are Key Determinants of Polybrominated Diphenyl Ether Activity toward Ryanodine Receptors and Neurotoxicity. <i>Environmental Health Perspectives</i> , 2011, 119, 519-526.	6.0	73
75	Evidence for conformational coupling between two calcium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12748-12752.	7.1	71
76	Bastadin 20 and BastadinO-Sulfate Esters from <i>lanthella basta</i> : Novel Modulators of the Ry1R FKBP12 Receptor Complex. <i>Journal of Natural Products</i> , 1996, 59, 1121-1127.	3.0	70
77	Early mitochondrial abnormalities in hippocampal neurons cultured from <i>Fmr1</i> pre-mutation mouse model. <i>Journal of Neurochemistry</i> , 2012, 123, 613-621.	3.9	70
78	Bioaccumulation and behavioral effects of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) in perinatally exposed mice. <i>Neurotoxicology and Teratology</i> , 2011, 33, 393-404.	2.4	69
79	Cumulative Impact of Polychlorinated Biphenyl and Large Chromosomal Duplications on DNA Methylation, Chromatin, and Expression of Autism Candidate Genes. <i>Cell Reports</i> , 2016, 17, 3035-3048.	6.4	69
80	Hemicalcin, a new toxin from the Iranian scorpion <i>Hemiscorpius lepturus</i> which is active on ryanodine-sensitive Ca ²⁺ channels. <i>Biochemical Journal</i> , 2007, 404, 89-96.	3.7	68
81	Purkinje cell and cerebellar effects following developmental exposure to PCBs and/or MeHg. <i>Neurotoxicology and Teratology</i> , 2006, 28, 74-85.	2.4	67
82	Premutation CGG-repeat expansion of the <i>Fmr1</i> gene impairs mouse neocortical development. <i>Human Molecular Genetics</i> , 2011, 20, 64-79.	2.9	67
83	Elevated resting [Ca ²⁺] _i in myotubes expressing malignant hyperthermia RyR1 cDNAs is partially restored by modulation of passive calcium leak from the SR. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1591-C1598.	4.6	66
84	PCB 136 Atropselectively Alters Morphometric and Functional Parameters of Neuronal Connectivity in Cultured Rat Hippocampal Neurons via Ryanodine Receptor-Dependent Mechanisms. <i>Toxicological Sciences</i> , 2014, 138, 379-392.	3.1	66
85	A Transgenic Myogenic Cell Line Lacking Ryanodine Receptor Protein for Homologous Expression Studies: Reconstitution of Ry1R Protein and Function. <i>Journal of Cell Biology</i> , 1998, 140, 843-851.	5.2	65
86	Iron(II) Is a Modulator of Ryanodine-Sensitive Calcium Channels of Cardiac Muscle Sarcoplasmic Reticulum. <i>Toxicology and Applied Pharmacology</i> , 1995, 130, 57-66.	2.8	61
87	ortho-Substituted PCB95 alters intracellular calcium signaling and causes cellular acidification in PC12 cells by an immunophilin-dependent mechanism. <i>Journal of Neurochemistry</i> , 2001, 76, 450-463.	3.9	61
88	Maternal autism-associated IgG antibodies delay development and produce anxiety in a mouse gestational transfer model. <i>Journal of Neuroimmunology</i> , 2012, 252, 56-65.	2.3	61
89	Noncoplanar PCB 95 Alters Microsomal Calcium Transport by an Immunophilin FKBP12-Dependent Mechanism. <i>Molecular Pharmacology</i> , 1997, 51, 693-702.	2.3	60
90	Correlations of Gene Expression with Blood Lead Levels in Children with Autism Compared to Typically Developing Controls. <i>Neurotoxicity Research</i> , 2011, 19, 1-13.	2.7	60

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91	Comparative Analyses of the 12 Most Abundant PCB Congeners Detected in Human Maternal Serum for Activity at the Thyroid Hormone Receptor and Ryanodine Receptor. <i>Environmental Science & Technology</i> , 2019, 53, 3948-3958.	10.0	60
92	Prolonged exercise reduces Ca ²⁺ release in rat skeletal muscle sarcoplasmic reticulum. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 422, 472-475.	2.8	57
93	Correlations Between Gene Expression and Mercury Levels in Blood of Boys With and Without Autism. <i>Neurotoxicity Research</i> , 2011, 19, 31-48.	2.7	57
94	Mouse models of the fragile X premutation and fragile X-associated tremor/ataxia syndrome. <i>Journal of Neurodevelopmental Disorders</i> , 2014, 6, 25.	3.1	57
95	Redox sensing properties of the Ryanodine receptor complex. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, a72-79.	3.0	56
96	Enhanced Excitation-coupled Calcium Entry in Myotubes Is Associated with Expression of RyR1 Malignant Hyperthermia Mutations. <i>Journal of Biological Chemistry</i> , 2007, 282, 37471-37478.	3.4	56
97	Conformation-dependent Stability of Juncophilin 1 (JP1) and Ryanodine Receptor Type 1 (RyR1) Channel Complex Is Mediated by Their Hyper-reactive Thiols. <i>Journal of Biological Chemistry</i> , 2007, 282, 8667-8677.	3.4	56
98	Global increases in both common and rare copy number load associated with autism. <i>Human Molecular Genetics</i> , 2013, 22, 2870-2880.	2.9	56
99	Toxicology in the Fast Lane: Application of High-Throughput Bioassays to Detect Modulation of Key Enzymes and Receptors. <i>Environmental Health Perspectives</i> , 2009, 117, 1867-1872.	6.0	54
100	Ryanodine Receptor Type 1 (RyR1) Mutations C4958S and C4961S Reveal Excitation-coupled Calcium Entry (ECCE) Is Independent of Sarcoplasmic Reticulum Store Depletion. <i>Journal of Biological Chemistry</i> , 2005, 280, 36994-37004.	3.4	53
101	Preliminary evidence of the in vitro effects of BDE-47 on innate immune responses in children with autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2009, 208, 130-135.	2.3	51
102	Acute Hippocampal Slice Preparation and Hippocampal Slice Cultures. <i>Methods in Molecular Biology</i> , 2011, 758, 115-134.	0.9	51
103	Calcium dysregulation and Cdk5-ATM pathway involved in a mouse model of fragile X-associated tremor/ataxia syndrome. <i>Human Molecular Genetics</i> , 2017, 26, 2649-2666.	2.9	50
104	Ryanodine Receptor Type III (Ry3R) Identification In Mouse Parotid Acini. <i>Journal of Biological Chemistry</i> , 1997, 272, 15687-15696.	3.4	49
105	Functional Role of Hyperreactive Sulfhydryl Moieties Within the Ryanodine Receptor Complex. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 17-25.	5.4	49
106	RyR1/RyR3 Chimeras Reveal that Multiple Domains of RyR1 Are Involved in Skeletal-Type E-C Coupling. <i>Biophysical Journal</i> , 2003, 84, 2655-2663.	0.5	49
107	Non-coplanar 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) Amplifies Ionotropic Glutamate Receptor Signaling in Embryonic Cerebellar Granule Neurons by a Mechanism Involving Ryanodine Receptors. <i>Toxicological Sciences</i> , 2003, 77, 72-82.	3.1	49
108	Composition of the Intranuclear Inclusions of Fragile X-associated Tremor/Ataxia Syndrome. <i>Acta Neuropathologica Communications</i> , 2019, 7, 143.	5.2	48

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109	Ryanodine receptor point mutant E4032A reveals an allosteric interaction with ryanodine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2865-2870.	7.1	47
110	Low-Level Neonatal Thimerosal Exposure: Further Evaluation of Altered Neurotoxic Potential in SJL Mice. <i>Toxicological Sciences</i> , 2008, 101, 294-309.	3.1	47
111	Developmental exposure to polychlorinated biphenyls (PCBs) in the maternal diet causes host-microbe defects in weanling offspring mice. <i>Environmental Pollution</i> , 2019, 253, 708-721.	7.5	47
112	Pharmacological characterization of the specific binding of [3H]ryanodine to rat brain microsomal membranes. <i>Brain Research</i> , 1991, 561, 181-191.	2.2	46
113	Immunologic and neurodevelopmental susceptibilities of autism. <i>NeuroToxicology</i> , 2008, 29, 532-545.	3.0	46
114	Orthograde dihydropyridine receptor signal regulates ryanodine receptor passive leak. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7046-7051.	7.1	46
115	Maternal transfer of BDE-47 to offspring and neurobehavioral development in C57BL/6J mice. <i>Neurotoxicology and Teratology</i> , 2012, 34, 571-580.	2.4	45
116	Mutational Analysis of Putative Calcium Binding Motifs within the Skeletal Ryanodine Receptor Isoform, RyR1. <i>Journal of Biological Chemistry</i> , 2004, 279, 53028-53035.	3.4	44
117	RyR1-mediated Ca ²⁺ Leak and Ca ²⁺ Entry Determine Resting Intracellular Ca ²⁺ in Skeletal Myotubes. <i>Journal of Biological Chemistry</i> , 2010, 285, 13781-13787.	3.4	44
118	Ryania insecticide: analysis and biological activity of 10 natural ryanoids. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 142-146.	5.2	43
119	Critical Amino Acid Residues Determine the Binding Affinity and the Ca ²⁺ Release Efficacy of Maurocalcine in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 37822-37831.	3.4	43
120	A malignant hyperthermia-inducing mutation in RYR1 (R163C): alterations in Ca ²⁺ entry, release, and retrograde signaling to the DHPR. <i>Journal of General Physiology</i> , 2010, 135, 619-628.	1.9	43
121	Enhanced Asynchronous Ca ²⁺ Oscillations Associated with Impaired Glutamate Transport in Cortical Astrocytes Expressing Fmr1 Gene Premutation Expansion. <i>Journal of Biological Chemistry</i> , 2013, 288, 13831-13841.	3.4	43
122	The Na ⁺ /Ca ²⁺ Exchange Inhibitor 2-(2-(4-(4-Nitrobenzyloxy)phenyl)ethyl)isothiourea Methanesulfonate (KB-R7943) Also Blocks Ryanodine Receptors Type 1 (RyR1) and Type 2 (RyR2) Channels. <i>Molecular Pharmacology</i> , 2009, 76, 560-568.	2.3	42
123	MAOA, DBH, and SLC6A4 variants in CHARGE: a case-control study of autism spectrum disorders. <i>Autism Research</i> , 2011, 4, 250-261.	3.8	42
124	Tetramethylenedisulfotetramine Alters Ca ²⁺ Dynamics in Cultured Hippocampal Neurons: Mitigation by NMDA Receptor Blockade and GABAA Receptor-Positive Modulation. <i>Toxicological Sciences</i> , 2012, 130, 362-372.	3.1	42
125	Structure-Activity Relationship of Selected Meta- and Para-Hydroxylated Non-Dioxin Like Polychlorinated Biphenyls: From Single RyR1 Channels to Muscle Dysfunction. <i>Toxicological Sciences</i> , 2013, 136, 500-513.	3.1	42
126	An Extended Structure-Activity Relationship of Nondioxin-Like PCBs Evaluates and Supports Modeling Predictions and Identifies Picomolar Potency of PCB 202 Towards Ryanodine Receptors. <i>Toxicological Sciences</i> , 2017, 155, 170-181.	3.1	42

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127	Basal Bioenergetic Abnormalities in Skeletal Muscle from Ryanodine Receptor Malignant Hyperthermia-susceptible R163C Knock-in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 99-113.	3.4	41
128	Nanomolar Bifenthrin Alters Synchronous Ca ²⁺ Oscillations and Cortical Neuron Development Independent of Sodium Channel Activity. <i>Molecular Pharmacology</i> , 2014, 85, 630-639.	2.3	41
129	Bastadin 10 Stabilizes the Open Conformation of the Ryanodine-sensitive Ca ²⁺ Channel in an FKBP12-dependent Manner. <i>Journal of Biological Chemistry</i> , 1999, 274, 32603-32612.	3.4	40
130	Type 1 and Type 3 Ryanodine Receptors Generate Different Ca ²⁺ Release Event Activity in Both Intact and Permeabilized Myotubes. <i>Biophysical Journal</i> , 2001, 81, 3216-3230.	0.5	40
131	Î±2Î²1 Dihydropyridine Receptor Subunit Is a Critical Element for Excitation-Coupled Calcium Entry but Not for Formation of Tetrads in Skeletal Myotubes. <i>Biophysical Journal</i> , 2008, 94, 3023-3034.	0.5	40
132	Animal models of autism spectrum disorders: Information for neurotoxicologists. <i>NeuroToxicology</i> , 2009, 30, 811-821.	3.0	40
133	Early onset of neurological symptoms in fragile X premutation carriers exposed to neurotoxins. <i>NeuroToxicology</i> , 2010, 31, 399-402.	3.0	40
134	Functional and Biochemical Properties of Ryanodine Receptor Type 1 Channels from Heterozygous R163C Malignant Hyperthermia-Susceptible Mice. <i>Molecular Pharmacology</i> , 2011, 79, 420-431.	2.3	40
135	Redox sensing properties of the Ryanodine receptor complex. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, a72.	3.0	39
136	Homer Protein Increases Activation of Ca ²⁺ Sparks in Permeabilized Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2004, 279, 5781-5787.	3.4	39
137	Simultaneous determination of polybrominated diphenyl ethers and polychlorinated biphenyls by gas chromatography-tandem mass spectrometry in human serum and plasma. <i>Talanta</i> , 2013, 113, 41-48.	5.5	39
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