

Michel De Waard

List of Publications by Year in descending order

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219
papers

10,191
citations

38660

50
h-index

43802

91
g-index

227
all docs

227
docs citations

227
times ranked

7887
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium channel α_2 -subunit binds to a conserved motif in the α_1 cytoplasmic linker of the α_1 -subunit. <i>Nature</i> , 1994, 368, 67-70.	13.7	626
2	Direct binding of G-protein $\beta\gamma$ complex to voltage-dependent calcium channels. <i>Nature</i> , 1997, 385, 446-450.	13.7	409
3	Coding and Noncoding Variation of the Human Calcium-Channel α_2 -Subunit Gene CACNB4 in Patients with Idiopathic Generalized Epilepsy and Episodic Ataxia. <i>American Journal of Human Genetics</i> , 2000, 66, 1531-1539.	2.6	382
4	Subunit interaction sites in voltage-dependent Ca^{2+} channels: role in channel function. <i>Trends in Neurosciences</i> , 1998, 21, 148-154.	4.2	340
5	The I-II Loop of the Ca^{2+} Channel α_1 Subunit Contains an Endoplasmic Reticulum Retention Signal Antagonized by the α_2 Subunit. <i>Neuron</i> , 2000, 25, 177-190.	3.8	332
6	Dual Function of the Voltage-Dependent Ca^{2+} Channel α_2 Subunit in Current Stimulation and Subunit Interaction. <i>Neuron</i> , 1996, 16, 431-440.	3.8	285
7	Subunit identification and reconstitution of the N-type Ca^{2+} channel complex purified from brain. <i>Science</i> , 1993, 261, 486-489.	6.0	255
8	Ca^{2+} channel regulation by a conserved α_2 subunit domain. <i>Neuron</i> , 1994, 13, 495-503.	3.8	254
9	Diversity of folds in animal toxins acting on ion channels. <i>Biochemical Journal</i> , 2004, 378, 717-726.	1.7	226
10	RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca^{2+} channels. <i>Nature Neuroscience</i> , 2007, 10, 691-701.	7.1	212
11	Dissection of Functional Domains of the Voltage-Dependent Ca^{2+} Channel α_2 Subunit. <i>Journal of Neuroscience</i> , 1997, 17, 6884-6891.	1.7	160
12	A α_2 Isoform-specific Interaction Site in the Carboxyl-terminal Region of the Voltage-dependent Ca^{2+} Channel α_1 Subunit. <i>Journal of Biological Chemistry</i> , 1998, 273, 2361-2367.	1.6	143
13	Identification of Three Subunits of the High Affinity α -Conotoxin MVIIIC-sensitive Ca^{2+} Channel. <i>Journal of Biological Chemistry</i> , 1996, 271, 13804-13810.	1.6	139
14	Chlorotoxin: A Helpful Natural Scorpion Peptide to Diagnose Glioma and Fight Tumor Invasion. <i>Toxins</i> , 2015, 7, 1079-1101.	1.5	136
15	Properties of the α_1 - α_2 Anchoring Site in Voltage-dependent Ca^{2+} Channels. <i>Journal of Biological Chemistry</i> , 1995, 270, 12056-12064.	1.6	132
16	α_2 Subunit Heterogeneity in N-type Ca^{2+} Channels. <i>Journal of Biological Chemistry</i> , 1996, 271, 3207-3212.	1.6	132
17	Trafficking of L-type Calcium Channels Mediated by the Postsynaptic Scaffolding Protein AKAP79. <i>Journal of Biological Chemistry</i> , 2002, 277, 33598-33603.	1.6	118
18	Selective Blockade of P/Q-Type Calcium Channels by the Metabotropic Glutamate Receptor Type 7 Involves a Phospholipase C Pathway in Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 7896-7904.	1.7	112

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19	A Cav3.2/Syntaxin-1A Signaling Complex Controls T-type Channel Activity and Low-threshold Exocytosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 2810-2818.	1.6	110
20	Structural and Functional Diversity of Voltage-Activated Calcium Channels. , 1996, 4, 41-87.		109
21	Expression and Subunit Interaction of Voltage-Dependent Ca ²⁺ Channels in PC12 Cells. <i>Journal of Neuroscience</i> , 1996, 16, 7557-7565.	1.7	107
22	Direct interaction of the calcium sensor protein synaptotagmin I with a cytoplasmic domain of the alpha 1A subunit of the P/Q-type calcium channel. <i>EMBO Journal</i> , 1997, 16, 4591-4596.	3.5	106
23	A Cell-penetrating Peptide Derived from Human Lactoferrin with Conformation-dependent Uptake Efficiency. <i>Journal of Biological Chemistry</i> , 2009, 284, 36099-36108.	1.6	105
24	K ⁺ channel types targeted by synthetic OSK1, a toxin from <i>Orthochirus scrobiculosus</i> scorpion venom. <i>Biochemical Journal</i> , 2005, 385, 95-104.	1.7	103
25	Cytotoxicity, intracellular distribution and uptake of doxorubicin and doxorubicin coupled to cell-penetrating peptides in different cell lines: A comparative study. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 419-425.	1.0	99
26	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.	1.3	98
27	Association of Native Ca ²⁺ Channel α_1 Subunits with the α_1 Subunit Interaction Domain. <i>Journal of Biological Chemistry</i> , 1995, 270, 18088-18093.	1.6	92
28	Interaction of Cysteine String Proteins with the α_1 Subunit of the P/Q-type Calcium Channel. <i>Journal of Biological Chemistry</i> , 1998, 273, 13488-13492.	1.6	91
29	Gene regulation by voltage-dependent calcium channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1096-1104.	1.9	87
30	Cell-Permeable Ln(III) Chelate-Functionalized InP Quantum Dots As Multimodal Imaging Agents. <i>ACS Nano</i> , 2011, 5, 8193-8201.	7.3	87
31	Identification of critical amino acids involved in α_1 - α_2 interaction in voltage-dependent Ca ²⁺ channels. <i>FEBS Letters</i> , 1996, 380, 272-276.	1.3	85
32	T-Type Ca ²⁺ Current Properties Are Not Modified by Ca ²⁺ Channel α_2 Subunit Depletion in Nodosus Ganglion Neurons. <i>Journal of Neuroscience</i> , 1997, 17, 6621-6628.	1.7	82
33	A New α_2 Subtype-specific Interaction in α_1 Subunit Controls P/Q-type Ca ²⁺ Channel Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 12383-12390.	1.6	79
34	The functional dyad of scorpion toxin Pi1 is not itself a prerequisite for toxin binding to the voltage-gated Kv1.2 potassium channels. <i>Biochemical Journal</i> , 2004, 377, 25-36.	1.7	74
35	Efficient induction of apoptosis by doxorubicin coupled to cell-penetrating peptides compared to unconjugated doxorubicin in the human breast cancer cell line MDA-MB 231. <i>Cancer Letters</i> , 2009, 285, 28-38.	3.2	74
36	How do G proteins directly control neuronal Ca ²⁺ channel function?. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 427-436.	4.0	68

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37	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.	1.7	68
38	Estrogenic and anti-estrogenic activity of 23 commercial textile dyes. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 131-136.	2.9	67
39	Maurocalcine as a Non Toxic Drug Carrier Overcomes Doxorubicin Resistance in the Cancer Cell Line MDA-MB 231. <i>Pharmaceutical Research</i> , 2009, 26, 836-845.	1.7	66
40	Antipyretic and antinociceptive effects of <i>Nauclea latifolia</i> root decoction and possible mechanisms of action. <i>Pharmaceutical Biology</i> , 2011, 49, 15-25.	1.3	66
41	Group X phospholipase A2 is released during sperm acrosome reaction and controls fertility outcome in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1415-1428.	3.9	65
42	Transduction of the Scorpion Toxin Maurocalcine into Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 12833-12839.	1.6	62
43	Junctate, an inositol 1,4,5-triphosphate receptor associated protein, is present in rodent sperm and binds TRPC2 and TRPC5 but not TRPC1 channels. <i>Developmental Biology</i> , 2005, 286, 326-337.	0.9	62
44	Evidence for an Intracellular ADP-ribosyl Cyclase/NAD ⁺ -glycohydrolase in Brain from CD38-deficient Mice. <i>Journal of Biological Chemistry</i> , 2003, 278, 40670-40678.	1.6	60
45	CD38-dependent ADP-ribosyl cyclase activity in developing and adult mouse brain. <i>Biochemical Journal</i> , 2003, 370, 175-183.	1.7	60
46	Developmental expression of the calcium release channels during early neurogenesis of the mouse cerebral cortex. <i>European Journal of Neuroscience</i> , 2001, 14, 1613-1622.	1.2	57
47	Cacnb4 directly couples electrical activity to gene expression, a process defective in juvenile epilepsy. <i>EMBO Journal</i> , 2012, 31, 3730-3744.	3.5	57
48	Conjugation of doxorubicin to cell penetrating peptides sensitizes human breast MDA-MB 231 cancer cells to endogenous TRAIL-induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1352-1365.	2.2	56
49	Functional evolution of scorpion venom peptides with an inhibitor cystine knot fold. <i>Bioscience Reports</i> , 2013, 33, .	1.1	54
50	Cobatoxin 1 from <i>Centruroides noxius</i> scorpion venom: chemical synthesis, three-dimensional structure in solution, pharmacology and docking on K ⁺ channels. <i>Biochemical Journal</i> , 2004, 377, 37-49.	1.7	53
51	Cell penetration properties of maurocalcine, a natural venom peptide active on the intracellular ryanodine receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 308-319.	1.4	53
52	Evidence for Domain-specific Recognition of SK and Kv Channels by MTX and HsTx1 Scorpion Toxins. <i>Journal of Biological Chemistry</i> , 2004, 279, 55690-55696.	1.6	51
53	Toxin determinants required for interaction with voltage-gated K ⁺ channels. <i>Toxicon</i> , 2004, 43, 909-914.	0.8	51
54	Contribution of the functional dyad of animal toxins acting on voltage-gated Kv1-type channels. <i>Journal of Peptide Science</i> , 2005, 11, 65-68.	0.8	49

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55	Characterization of the purified N-type Ca ²⁺ channel and the cation sensitivity of α -conotoxin GVIA binding. <i>Neuropharmacology</i> , 1993, 32, 1127-1139.	2.0	48
56	Multiple determinants in voltage-dependent P/Q calcium channels control their retention in the endoplasmic reticulum. <i>European Journal of Neuroscience</i> , 2002, 16, 883-895.	1.2	48
57	Hourglass SiO ₂ coating increases the performance of planar patch-clamp. <i>Journal of Biotechnology</i> , 2006, 125, 142-154.	1.9	47
58	Scorpion $\hat{\pm}$ -like toxins, toxic to both mammals and insects, differentially interact with receptor site 3 on voltage-gated sodium channels in mammals and insects. <i>European Journal of Neuroscience</i> , 1999, 11, 975-985.	1.2	46
59	Expression, localization and functions in acrosome reaction and sperm motility of CaV3.1 and CaV3.2 channels in sperm cells: An evaluation from CaV3.1 and CaV3.2 deficient mice. <i>Journal of Cellular Physiology</i> , 2007, 212, 753-763.	2.0	46
60	The S218L familial hemiplegic migraine mutation promotes deinhibition of Cav2.1 calcium channels during direct G-protein regulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 457, 315-326.	1.3	46
61	Biophysical and pharmacological characterization of spermatogenic $\hat{\pm}$ -type calcium current in mice lacking the Ca V 3.1 ($\hat{\pm}$ 1G) calcium channel: Ca V 3.2 ($\hat{\pm}$ 1H) is the main functional calcium channel in wild $\hat{\pm}$ -type spermatogenic cells. <i>Journal of Cellular Physiology</i> , 2004, 200, 116-124.	2.0	45
62	H-Rubies, a new family of red emitting fluorescent pH sensors for living cells. <i>Chemical Science</i> , 2015, 6, 5928-5937.	3.7	45
63	<i>Nauclea latifolia</i> : biological activity and alkaloid phytochemistry of a West African tree. <i>Natural Product Reports</i> , 2016, 33, 1034-1043.	5.2	44
64	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.	1.6	43
65	The Spatial Organization of Proton and Lactate Transport in a Rat Brain Tumor. <i>PLoS ONE</i> , 2011, 6, e17416.	1.1	42
66	Synthesis and characterization of Pi4, a scorpion toxin from <i>Pandinus imperator</i> that acts on K ⁺ channels. <i>FEBS Journal</i> , 2003, 270, 3583-3592.	0.2	41
67	The Interaction between the I-II Loop and the III-IV Loop of Cav2.1 Contributes to Voltage-dependent Inactivation in a $\hat{\pm}$ -Dependent Manner. <i>Journal of Biological Chemistry</i> , 2002, 277, 10003-10013.	1.6	40
68	Maurocalcine and Domain A of the II-III Loop of the Dihydropyridine Receptor Cav 1.1 Subunit Share Common Binding Sites on the Skeletal Ryanodine Receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 4013-4016.	1.6	39
69	Peptide binding to ochratoxin A mycotoxin: A new approach in conception of biosensors. <i>Biosensors and Bioelectronics</i> , 2013, 40, 240-246.	5.3	39
70	Maurotoxin Versus Pi1/HsTx1 Scorpion Toxins. <i>Journal of Biological Chemistry</i> , 2000, 275, 39394-39402.	1.6	38
71	A store-operated Ca ²⁺ influx activated in response to the depletion of thapsigargin-sensitive Ca ²⁺ stores is developmentally regulated in embryonic cortical neurons from mice. <i>Developmental Brain Research</i> , 2005, 159, 64-71.	2.1	38
72	Pharmacological Profiling of Orthochirus scrobiculosus Toxin 1 Analogs with a Trimmed N-Terminal Domain. <i>Molecular Pharmacology</i> , 2006, 69, 354-362.	1.0	38

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73	Direct Peptide Interaction with Surface Glycosaminoglycans Contributes to the Cell Penetration of Maurocalcine. <i>Journal of Biological Chemistry</i> , 2008, 283, 24274-24284.	1.6	38
74	A Novel Platinum- ¹¹⁹ Maurocalcine Conjugate Induces Apoptosis of Human Glioblastoma Cells by Acting through the ROS-ERK/AKT-p53 Pathway. <i>Molecular Pharmaceutics</i> , 2015, 12, 4336-4348.	2.3	37
75	Cell-Penetrating Nanobiosensors for Pointillistic Intracellular Ca ²⁺ -Transient Detection. <i>Nano Letters</i> , 2014, 14, 2994-3001.	4.5	36
76	Synthesis, 1H NMR Structure, and Activity of a Three-disulfide-bridged Maurotoxin Analog Designed to Restore the Consensus Motif of Scorpion Toxins. <i>Journal of Biological Chemistry</i> , 2000, 275, 13605-13612.	1.6	34
77	FKBP12 Modulation of the Binding of the Skeletal Ryanodine Receptor onto the II-III Loop of the Dihydropyridine Receptor. <i>Biophysical Journal</i> , 2002, 82, 145-155.	0.2	34
78	Maurocalcine and Peptide A Stabilize Distinct Subconductance States of Ryanodine Receptor Type 1, Revealing a Proportional Gating Mechanism. <i>Journal of Biological Chemistry</i> , 2003, 278, 16095-16106.	1.6	34
79	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11780-11784.	7.2	34
80	Imaging Fast Calcium Currents beyond the Limitations of Electrode Techniques. <i>Biophysical Journal</i> , 2014, 107, 1280-1288.	0.2	34
81	Chemical synthesis and characterization of Pi1, a scorpion toxin from <i>Pandinus imperator</i> active on K ⁺ channels. <i>FEBS Journal</i> , 2000, 267, 5149-5155.	0.2	33
82	Triadin (Trisk 95) Overexpression Blocks Excitation-Contraction Coupling in Rat Skeletal Myotubes. <i>Journal of Biological Chemistry</i> , 2005, 280, 39302-39308.	1.6	33
83	Triadins Are Not Triad-specific Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 28601-28609.	1.6	33
84	Critical amino acid residues of maurocalcine involved in pharmacology, lipid interaction and cell penetration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2528-2540.	1.4	33
85	Human skeletal muscle triadin: gene organization and cloning of the major isoform, Trisk 51. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 669-675.	1.0	32
86	Unusual binding mode of scorpion toxin BmKTX onto potassium channels relies on its distribution of acidic residues. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 70-76.	1.0	32
87	Reversibility of the Ca ²⁺ Channel β_1 Subunit Interaction. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 729-735.	1.0	31
88	Inositol phosphate regulation of voltage-dependent calcium channels in cerebellar granule neurons. <i>Neuron</i> , 1992, 9, 497-503.	3.8	30
89	Nitric oxide augments voltage-gated P/Q-type Ca ²⁺ channels constituting a putative positive feedback loop. <i>Free Radical Biology and Medicine</i> , 2002, 32, 638-649.	1.3	29
90	Cav β -subunit displacement is a key step to induce the reluctant state of P/Q calcium channels by direct G protein regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6267-6272.	3.3	29

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91	Mutation Associated with an Autosomal Dominant Cone-Rod Dystrophy <i>CORD7</i> Modifies RIM1-Mediated Modulation of Voltage-Dependent Ca ²⁺ Channels. <i>Channels</i> , 2007, 1, 144-147.	1.5	29
92	Familial hemiplegic migraine type 1 mutations W1684R and V1696I alter G protein-mediated regulation of Ca _v 2.1 voltage-gated calcium channels. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1238-1246.	1.8	29
93	Anticonvulsant activity of an active fraction extracted from <i>Crinum jagus</i> L. (Amaryllidaceae), and its possible effects on fully kindled seizures, depression-like behaviour and oxidative stress in experimental rodent models. <i>Journal of Ethnopharmacology</i> , 2016, 194, 421-433.	2.0	29
94	Ca ²⁺ Current and Charge Movements in Skeletal Myotubes Promoted by the β_2 -Subunit of the Dihydropyridine Receptor in the Absence of Ryanodine Receptor Type 1. <i>Biophysical Journal</i> , 2003, 84, 942-959.	0.2	28
95	Design of a Disulfide-less, Pharmacologically Inert, and Chemically Competent Analog of Maurocalcine for the Efficient Transport of Impermeant Compounds into Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 27048-27056.	1.6	28
96	The CD38-independent ADP-ribosyl cyclase from mouse brain synaptosomes: a comparative study of neonate and adult brain. <i>Biochemical Journal</i> , 2006, 395, 417-426.	1.7	27
97	d-Maurocalcine, a Pharmacologically Inert Efficient Cell-penetrating Peptide Analogue. <i>Journal of Biological Chemistry</i> , 2010, 285, 34168-34180.	1.6	27
98	Functional Coupling of Rab3-interacting Molecule 1 (RIM1) and L-type Ca ²⁺ Channels in Insulin Release. <i>Journal of Biological Chemistry</i> , 2011, 286, 15757-15765.	1.6	27
99	Mechanisms of Maurotoxin Action on Shaker Potassium Channels. <i>Biophysical Journal</i> , 2000, 79, 776-787.	0.2	26
100	Differential effects of maurocalcine on Ca ²⁺ release events and depolarization-induced Ca ²⁺ release in rat skeletal muscle. <i>Journal of Physiology</i> , 2005, 565, 843-853.	1.3	26
101	Transient Loss of Voltage Control of Ca ²⁺ Release in the Presence of Maurocalcine in Skeletal Muscle. <i>Biophysical Journal</i> , 2006, 91, 2206-2215.	0.2	26
102	Two Conserved Arginine Residues from the SK3 Potassium Channel Outer Vestibule Control Selectivity of Recognition by Scorpion Toxins. <i>Journal of Biological Chemistry</i> , 2013, 288, 12544-12553.	1.6	26
103	The beta-amyloid precursor protein controls a store-operated Ca ²⁺ entry in cortical neurons. <i>European Journal of Neuroscience</i> , 2004, 20, 2071-2078.	1.2	25
104	Antipsychotic and sedative effects of the leaf extract of <i>Crassocephalum bauchiense</i> (Hutch.) Milne-Redh (Asteraceae) in rodents. <i>Journal of Ethnopharmacology</i> , 2012, 143, 213-220.	2.0	25
105	Nuclear life of the voltage-gated <i>Cacnb4</i> subunit and its role in gene transcription regulation. <i>Channels</i> , 2013, 7, 119-125.	1.5	25
106	Proteolytic cleavage of the voltage-gated Ca ²⁺ channel β_2 subunit: structural and functional features. <i>European Journal of Neuroscience</i> , 2007, 25, 1705-1710.	1.2	24
107	A retro-biosynthetic approach to the prediction of biosynthetic pathways from position-specific isotope analysis as shown for tramadol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8296-8301.	3.3	24
108	Characteristics of Calcium Channels Responsible for Voltage-activated Calcium Entry in Rat Cerebellar Granule Cells. <i>European Journal of Neuroscience</i> , 1994, 6, 335-344.	1.2	23

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109	Distinct properties and differential \hat{I}^2 subunit regulation of two C-terminal isoforms of the P/Q-type Ca^{2+} -channel \hat{I}^1 subunit. <i>European Journal of Neuroscience</i> , 2001, 14, 987-997.	1.2	23
110	Small Efficient Cell-penetrating Peptides Derived from Scorpion Toxin Maurocalcine. <i>Journal of Biological Chemistry</i> , 2012, 287, 17331-17342.	1.6	23
111	C-terminal splice variants of P/Q-type Ca^{2+} channel $\text{Ca}_V2.1 \hat{I}^1$ subunits are differentially regulated by Rab3-interacting molecule proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 9365-9381.	1.6	23
112	Use of a purified and functional recombinant calcium-channel \hat{I}^2 subunit in surface-plasmon resonance studies. <i>Biochemical Journal</i> , 2002, 364, 285-292.	1.7	22
113	A Maurotoxin with Constrained Standard Disulfide Bridging. <i>Journal of Biological Chemistry</i> , 2003, 278, 31095-31104.	1.6	22
114	Two PEST-like motifs regulate Ca^{2+} /calpain-mediated cleavage of the $\text{Ca}_V1.3$ subunit and provide important determinants for neuronal Ca^{2+} -channel activity. <i>European Journal of Neuroscience</i> , 2006, 23, 2311-2320.	1.2	22
115	Charged Surface Area of Maurocalcine Determines Its Interaction with the Skeletal Ryanodine Receptor. <i>Biophysical Journal</i> , 2008, 95, 3497-3509.	0.2	22
116	Rim1 modulates direct G-protein regulation of $\text{Ca}_V2.2$ channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 447-459.	1.3	22
117	Efficient functional neutralization of lethal peptide toxins in vivo by oligonucleotides. <i>Scientific Reports</i> , 2017, 7, 7202.	1.6	22
118	In vivo spatiotemporal control of voltage-gated ion channels by using photoactivatable peptidic toxins. <i>Nature Communications</i> , 2022, 13, 417.	5.8	22
119	Effect of maurotoxin, a four disulfide-bridged toxin from the chactoid scorpion <i>Scorpio maurus</i> , on ShakerK^+ channels. <i>Chemical Biology and Drug Design</i> , 2000, 55, 419-427.	1.2	21
120	Parameters affecting in vitro oxidation/folding of maurotoxin, a four-disulphide-bridged scorpion toxin. <i>Biochemical Journal</i> , 2001, 358, 681-692.	1.7	21
121	The impact of the fourth disulfide bridge in scorpion toxins of the \hat{I}^1 -KTx6 subfamily. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 1010-1023.	1.5	21
122	Doxorubicin coupled to penetratin promotes apoptosis in CHO cells by a mechanism involving c-Jun NH2-terminal kinase. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 908-914.	1.0	21
123	<i>Nauclea latifolia</i> Smith (Rubiaceae) exerts antinociceptive effects in neuropathic pain induced by chronic constriction injury of the sciatic nerve. <i>Journal of Ethnopharmacology</i> , 2014, 151, 445-451.	2.0	21
124	Autism throughout genetics: Perusal of the implication of ion channels. <i>Brain and Behavior</i> , 2018, 8, e00978.	1.0	21
125	SRP-27 is a novel component of the supramolecular signalling complex involved in skeletal muscle excitation-contraction coupling. <i>Biochemical Journal</i> , 2008, 411, 343-349.	1.7	20
126	Control of neuronal network organization by chemical surface functionalization of multi-walled carbon nanotube arrays. <i>Nanotechnology</i> , 2011, 22, 195101.	1.3	20

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127	Evaluation of antinociceptive effects of <i>Crassocephalum bauchiense</i> Hutch (Asteraceae) leaf extract in rodents. <i>Journal of Ethnopharmacology</i> , 2012, 141, 234-241.	2.0	20
128	Antibodies against the β_2 subunit of voltage-dependent calcium channels in Lambert-Éaton Myasthenic Syndrome. <i>Neuroscience</i> , 1999, 90, 269-277.	1.1	19
129	Na ⁺ Channel Regulation by Calmodulin Kinase II in Rat Cerebellar Granule Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 274, 394-399.	1.0	19
130	Disulfide bridge reorganization induced by proline mutations in maurotoxin. <i>FEBS Letters</i> , 2001, 489, 202-207.	1.3	19
131	How do T-type calcium channels control low-threshold exocytosis?. <i>Communicative and Integrative Biology</i> , 2012, 5, 377-380.	0.6	19
132	Cell Penetration Properties of a Highly Efficient Mini Maurocalcine Peptide. <i>Pharmaceuticals</i> , 2013, 6, 320-339.	1.7	18
133	Spermaurin, an La1-like peptide from the venom of the scorpion <i>Scorpio maurus palmatus</i> , improves sperm motility and fertilization in different mammalian species. <i>Molecular Human Reproduction</i> , 2016, 23, 116-131.	1.3	18
134	Molecular modeling and docking simulations of scorpion toxins and related analogs on human SKCa2 and SKCa3 channels. <i>Peptides</i> , 2005, 26, 1095-1108.	1.2	17
135	PTEN-regulated AKT/FoxO3a/Bim signaling contributes to Human cell glioblastoma apoptosis by platinum-maurocalcine conjugate. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 15-22.	1.2	17
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