

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
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227
all docs

227
docs citations

227
times ranked

7887
citing authors

#	ARTICLE	IF	CITATIONS
1	Cav ^{1.2} surface charged residues contribute to the regulation of neuronal calcium channels. <i>Molecular Brain</i> , 2022, 15, 3.	1.3	1
2	Pharmacological Dissection of the Crosstalk between NaV and CaV Channels in GH3b6 Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 827.	1.8	4
3	Chemical Synthesis of a Functional Fluorescent-Tagged α -Bungarotoxin. <i>Toxins</i> , 2022, 14, 79.	1.5	3
4	In vivo spatiotemporal control of voltage-gated ion channels by using photoactivatable peptidic toxins. <i>Nature Communications</i> , 2022, 13, 417.	5.8	22
5	Discovery of Leptulipin, a New Anticancer Protein from the Iranian Scorpion, <i>Hemiscorpius lepturus</i> . <i>Molecules</i> , 2022, 27, 2056.	1.7	5
6	The Endothelial Dysfunction Could Be a Cause of Heart Failure with Preserved Ejection Fraction Development in a Rat Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-30.	1.9	3
7	Screening an In-House Isoquinoline Alkaloids Library for New Blockers of Voltage-Gated Na ⁺ Channels Using Voltage Sensor Fluorescent Probes: Hits and Biases. <i>Molecules</i> , 2022, 27, 4133.	1.7	1
8	Protein <i>α</i> -GlcNAcylation levels are regulated independently of dietary intake in a tissue and time-specific manner during rat postnatal development. <i>Acta Physiologica</i> , 2021, 231, e13566.	1.8	11
9	Implications of a Soy-Based Diet for Animal Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 774.	1.8	2
10	Computer modeling of whole-cell voltage-clamp analyses to delineate guidelines for good practice of manual and automated patch-clamp. <i>Scientific Reports</i> , 2021, 11, 3282.	1.6	17
11	Fluorescent and tagged protoxin II peptides: potent markers of the Na v 1.7 channel pain target. <i>British Journal of Pharmacology</i> , 2021, 178, 2632-2650.	2.7	6
12	The Secretome Deregulations in a Rat Model of Endotoxemic Shock. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	4
13	An O-GlcNAcyomic Approach Reveals ACLY as a Potential Target in Sepsis in the Young Rat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9236.	1.8	9
14	Biophysical Methods to Analyze Direct G-Protein Regulation of Neuronal Voltage-Gated Calcium Channels. <i>NeuroMethods</i> , 2021, , 429-439.	0.2	0
15	A standardised hERG phenotyping pipeline to evaluate KCNH2 genetic variant pathogenicity. <i>Clinical and Translational Medicine</i> , 2021, 11, e609.	1.7	7
16	Synthetic Analogues of Huwentoxin-IV Spider Peptide With Altered Human NaV1.7/NaV1.6 Selectivity Ratios. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 798588.	1.8	4
17	Functional Impact of BeKm-1, a High-Affinity hERG Blocker, on Cardiomyocytes Derived from Human-Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7167.	1.8	5
18	Overexpression of endothelial β_3 -adrenergic receptor induces diastolic dysfunction in rats. <i>ESC Heart Failure</i> , 2020, 7, 4159-4171.	1.4	10

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19	Heterodimeric Insecticidal Peptide Provides New Insights into the Molecular and Functional Diversity of Ant Venoms. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1211-1224.	2.5	8
20	Identification, Characterization and Synthesis of Walterospermin, a Sperm Motility Activator from the Egyptian Black Snake <i>Walterinnesia aegyptia</i> Venom. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7786.	1.8	5
21	New Approaches to Identify Sepsis Biomarkers: The Importance of Model and Sample Source for Mass Spectrometry. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	8
22	Diagnostic and Therapeutic Value of Aptamers in Envenomation Cases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3565.	1.8	11
23	Maurocalcin and its analog M _{Ca} E12A facilitate Ca ²⁺ mobilization in cardiomyocytes. <i>Biochemical Journal</i> , 2020, 477, 3985-3999.	1.7	0
24	Abstract 14066: <i>O</i> -GlcNAc Levels Stimulation is a New Potential Therapeutic Strategy at the Early Phase of Septic Shock in the Young. <i>Circulation</i> , 2020, 142, .	1.6	0
25	Aptamer Efficacies for In Vitro and In Vivo Modulation of $\hat{\pm}$ C-Conotoxin PrXA Pharmacology. <i>Molecules</i> , 2019, 24, 229.	1.7	8
26	Chemical Synthesis, Proper Folding, Nav Channel Selectivity Profile and Analgesic Properties of the Spider Peptide Phlotoxin 1. <i>Toxins</i> , 2019, 11, 367.	1.5	16
27	Proteomics study of Southern Punjab Pakistani cobra (<i>Naja naja</i> : formerly <i>Naja naja</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.6	11
28	Fluorescent analogues of BeKm-1 with high and specific activity against the hERG channel. <i>Toxicon: X</i> , 2019, 2, 100010.	1.2	3
29	From identification to functional characterization of cyriotoxin $\hat{\pm}$ 1a, an antinociceptive toxin from the spider <i>Cyriopagopus schioedtei</i> . <i>British Journal of Pharmacology</i> , 2019, 176, 1298-1314.	2.7	14
30	Synthesis by native chemical ligation and characterization of the scorpion toxin AmmTx3. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 247-253.	1.4	9
31	Functional characterization of cell-free expressed Kv1.3 channel using a voltage-sensitive fluorescent dye. <i>Protein Expression and Purification</i> , 2018, 145, 94-99.	0.6	6
32	BotAF, a new <i>Buthus occitanus tunetanus</i> scorpion toxin, produces potent analgesia in rodents. <i>Toxicon</i> , 2018, 149, 72-85.	0.8	12
33	RK, the first scorpion peptide with dual disintegrin activity on $\hat{\pm}$ 1 $\hat{\pm}$ 21 and $\hat{\pm}$ 1 $\hat{\pm}$ 23 integrins. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1777-1788.	3.6	6
34	Autism throughout genetics: Perusal of the implication of ion channels. <i>Brain and Behavior</i> , 2018, 8, e00978.	1.0	21
35	Actiflagelin, a new sperm activator isolated from <i>Walterinnesia aegyptia</i> venom using phenotypic screening. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 2.	0.8	11
36	Anticancer properties of lipid and poly($\hat{\mu}$ -caprolactone) nanocapsules loaded with ferrocenyl-tamoxifen derivatives. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 1474-1484.	1.2	8

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37	Profiling the biological effects of wastewater samples via bioluminescent bacterial biosensors combined with estrogenic assays. <i>Environmental Science and Pollution Research</i> , 2017, 24, 33-41.	2.7	16
38	The β 24 subunit of the voltage-gated calcium channel (<i>Cacnb4</i>) regulates the rate of cell proliferation in Chinese Hamster Ovary cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 57-70.	1.2	9
39	C-terminal splice variants of P/Q-type Ca^{2+} channel <i>CaV2.1</i> β 1 subunits are differentially regulated by Rab3-interacting molecule proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 9365-9381.	1.6	23
40	Down-regulation of the Wnt/ β -catenin signaling pathway by <i>Cacnb4</i> . <i>Molecular Biology of the Cell</i> , 2017, 28, 3699-3708.	0.9	15
41	Functional reconstitution of cell-free synthesized purified Kv channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2373-2380.	1.4	13
42	Efficient functional neutralization of lethal peptide toxins in vivo by oligonucleotides. <i>Scientific Reports</i> , 2017, 7, 7202.	1.6	22
43	MAP6 interacts with <i>Tctex1</i> and $Ca_v2.2$ N -type calcium channels to regulate calcium signalling in neurons. <i>European Journal of Neuroscience</i> , 2017, 46, 2754-2767.	1.2	5
44	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
45	PTEN-regulated AKT/FoxO3a/Bim signaling contributes to Human cell glioblastoma apoptosis by platinum-maurocalcin conjugate. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 15-22.	1.2	17
46	In cellulo phosphorylation induces pharmacological reprogramming of maurocalcin, a cell-penetrating venom peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2460-8.	3.3	7
47	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
48	Anticonvulsant effects of iridoid glycosides fraction purified from <i>Feretia apodanthera</i> Del. (Rubiaceae) in experimental mice models of generalized tonic-clonic seizures. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 285.	3.7	17
49	<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
50	Protein partners of the calcium channel β 2 subunit highlight new cellular functions. <i>Biochemical Journal</i> , 2016, 473, 1831-1844.	1.7	13
51	Biophysical Methods to Analyze Direct G-Protein Regulation of Neuronal Voltage-Gated Calcium Channels. <i>NeuroMethods</i> , 2016, , 357-368.	0.2	0
52	Fractionation and proteomic analysis of the <i>Walterinnesia aegyptia</i> snake venom using OFFGEL and MALDI-TOF-MS techniques. <i>Electrophoresis</i> , 2015, 36, 2594-2605.	1.3	8
53	Biodistribution, Stability, and Blood Distribution of the Cell Penetrating Peptide Maurocalcine in Mice. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27730-27740.	1.8	13
54	FRET-Based Nanobiosensors for Imaging Intracellular Ca^{2+} and H^{+} Microdomains. <i>Sensors</i> , 2015, 15, 24662-24680.	2.1	13

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55	Chlorotoxin: A Helpful Natural Scorpion Peptide to Diagnose Glioma and Fight Tumor Invasion. <i>Toxins</i> , 2015, 7, 1079-1101.	1.5	136
56	Biomimetic synthesis of Tramadol. <i>Chemical Communications</i> , 2015, 51, 14451-14453.	2.2	12
57	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
58	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
59	A Novel Platinum ^{II} -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
60	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
61	<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
62	Imaging Fast Calcium Currents beyond the Limitations of Electrode Techniques. <i>Biophysical Journal</i> , 2014, 107, 1280-1288.	0.2	34
63	Cell-Penetrating Nanobiosensors for Pointillistic Intracellular Ca ²⁺ -Transient Detection. <i>Nano Letters</i> , 2014, 14, 2994-3001.	4.5	36
64	Quantitative evaluation of the cell penetrating properties of an iodinated Tyr-I-maurocalcine analog. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2356-2364.	1.9	15
65	Phosphorylation of Maurocalcine Strongly Modifies its Effect on Type 1 Ryanodine Receptor. <i>Biophysical Journal</i> , 2014, 106, 110a.	0.2	0
66	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11780-11784.	7.2	34
67	Redox-sensitive stimulation of type-1 ryanodine receptors by the scorpion toxin maurocalcine. <i>Cell Calcium</i> , 2013, 53, 357-365.	1.1	1
68	Combining Calcium Imaging with Other Optical Techniques. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top066167.	0.2	6
69	Combining Ca ²⁺ and Membrane Potential Imaging in Single Neurons. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot073114-pdb.prot073114.	0.2	5
70	Cell Penetration Properties of a Highly Efficient Mini Maurocalcine Peptide. <i>Pharmaceutics</i> , 2013, 6, 320-339.	1.7	18
71	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
72	Functional evolution of scorpion venom peptides with an inhibitor cystine knot fold. <i>Bioscience Reports</i> , 2013, 33, .	1.1	54

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73	Combining Ca ²⁺ Imaging with γ -Glutamate Photorelease. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot073122-pdb.prot073122.	0.2	2
74	Two Conserved Arginine Residues from the SK3 Potassium Channel Outer Vestibule Control Selectivity of Recognition by Scorpion Toxins. Journal of Biological Chemistry, 2013, 288, 12544-12553.	1.6	26
75	Nuclear life of the voltage-gated Cacnb4 subunit and its role in gene transcription regulation. Channels, 2013, 7, 119-125.	1.5	25
76	Animal Toxins. , 2013, , 407-415.		3
77	Cacnb4 directly couples electrical activity to gene expression, a process defective in juvenile epilepsy. EMBO Journal, 2012, 31, 3730-3744.	3.5	57
78	How do T-type calcium channels control low-threshold exocytosis?. Communicative and Integrative Biology, 2012, 5, 377-380.	0.6	19
79	Small Efficient Cell-penetrating Peptides Derived from Scorpion Toxin Maurocalcine. Journal of Biological Chemistry, 2012, 287, 17331-17342.	1.6	23
80	A Cav3.2/Syntaxin-1A Signaling Complex Controls T-type Channel Activity and Low-threshold Exocytosis. Journal of Biological Chemistry, 2012, 287, 2810-2818.	1.6	110
81	Estrogenic and anti-estrogenic activity of 23 commercial textile dyes. Ecotoxicology and Environmental Safety, 2012, 85, 131-136.	2.9	67
82	Evaluation of antinociceptive effects of <i>Crassocephalum bauchiense</i> Hutch (Asteraceae) leaf extract in rodents. Journal of Ethnopharmacology, 2012, 141, 234-241.	2.0	20
83	Familial hemiplegic migraine type 1 mutations W1684R and V1696I alter G protein-mediated regulation of CaV2.1 voltage-gated calcium channels. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1238-1246.	1.8	29
84	Antipsychotic and sedative effects of the leaf extract of <i>Crassocephalum bauchiense</i> (Hutch.) Milne-Redh (Asteraceae) in rodents. Journal of Ethnopharmacology, 2012, 143, 213-220.	2.0	25
85	A miniaturized planar patch-clamp system for transportable use. Biosensors and Bioelectronics, 2012, 32, 96-103.	5.3	4
86	Antipyretic and antinociceptive effects of <i>Nauclea latifolia</i> root decoction and possible mechanisms of action. Pharmaceutical Biology, 2011, 49, 15-25.	1.3	66
87	Cell-Permeable Ln(III) Chelate-Functionalized InP Quantum Dots As Multimodal Imaging Agents. ACS Nano, 2011, 5, 8193-8201.	7.3	87
88	Compact and highly stable quantum dots through optimized aqueous phase transfer. Proceedings of SPIE, 2011, , .	0.8	5
89	The Spatial Organization of Proton and Lactate Transport in a Rat Brain Tumor. PLoS ONE, 2011, 6, e17416.	1.1	42
90	In vitro and in vivo intracellular delivery of quantum dots by maurocalcine. International Journal of Biomedical Nanoscience and Nanotechnology, 2011, 2, 12.	0.1	6

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91	Rim1 modulates direct G-protein regulation of Cav2.2 channels. Pflugers Archiv European Journal of Physiology, 2011, 461, 447-459.	1.3	22
92	Analysis of the interacting surface of maurotoxin with the voltage-gated <i>Shaker</i> BK ⁺ channel. Journal of Peptide Science, 2011, 17, 200-210.	0.8	1
93	Group X secreted phospholipase A ₂ specifically decreases sperm motility in mice. Journal of Cellular Physiology, 2011, 226, 2601-2609.	2.0	15
94	Functional Coupling of Rab3-interacting Molecule 1 (RIM1) and L-type Ca ²⁺ Channels in Insulin Release. Journal of Biological Chemistry, 2011, 286, 15757-15765.	1.6	27
95	Control of neuronal network organization by chemical surface functionalization of multi-walled carbon nanotube arrays. Nanotechnology, 2011, 22, 195101.	1.3	20
96	The development of high quality seals for silicon patch-clamp chips. Biomaterials, 2010, 31, 7398-7410.	5.7	14
97	<i>In vivo</i> expression of Ca ^v 1 ² Ca ^v 3 ² dimer in adult mouse skeletal muscle alters L-type calcium current and excitation-contraction coupling. Journal of Physiology, 2010, 588, 2945-2960.	1.3	14
98	d-Maurocalcine, a Pharmacologically Inert Efficient Cell-penetrating Peptide Analogue. Journal of Biological Chemistry, 2010, 285, 34168-34180.	1.6	27
99	Snake venoms as a source of compounds modulating sperm physiology: Secreted phospholipases A2 from <i>Oxyuranus scutellatus scutellatus</i> impact sperm motility, acrosome reaction and in vitro fertilization in mice. Biochimie, 2010, 92, 826-836.	1.3	16
100	Cytotoxicity, intracellular distribution and uptake of doxorubicin and doxorubicin coupled to cell-penetrating peptides in different cell lines: A comparative study. Biochemical and Biophysical Research Communications, 2010, 391, 419-425.	1.0	99
101	Doxorubicin coupled to penetratin promotes apoptosis in CHO cells by a mechanism involving c-Jun NH2-terminal kinase. Biochemical and Biophysical Research Communications, 2010, 396, 908-914.	1.0	21
102	Group X phospholipase A2 is released during sperm acrosome reaction and controls fertility outcome in mice. Journal of Clinical Investigation, 2010, 120, 1415-1428.	3.9	65
103	A Cell-penetrating Peptide Derived from Human Lactoferrin with Conformation-dependent Uptake Efficiency. Journal of Biological Chemistry, 2009, 284, 36099-36108.	1.6	105
104	Gene regulation by voltage-dependent calcium channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1096-1104.	1.9	87
105	Conjugation of doxorubicin to cell penetrating peptides sensitizes human breast MDA-MB 231 cancer cells to endogenous TRAIL-induced apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 1352-1365.	2.2	56
106	Maurocalcine as a Non Toxic Drug Carrier Overcomes Doxorubicin Resistance in the Cancer Cell Line MDA-MB 231. Pharmaceutical Research, 2009, 26, 836-845.	1.7	66
107	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. Cancer Letters, 2009, 285, 28-38.	3.2	74
108	The S218L familial hemiplegic migraine mutation promotes de/inhibition of Cav2.1 calcium channels during direct G-protein regulation. Pflugers Archiv European Journal of Physiology, 2008, 457, 315-326.	1.3	46

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109	Charged Surface Area of Maurocalcine Determines Its Interaction with the Skeletal Ryanodine Receptor. <i>Biophysical Journal</i> , 2008, 95, 3497-3509.	0.2	22
110	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
111	Effect of Cu ²⁺ on the Oxidative Folding of Synthetic Maurotoxin In Vitro. <i>Journal of Biomolecular Structure and Dynamics</i> , 2008, 26, 75-81.	2.0	2
112	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
113	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
114	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
115	Maurocalcine interacts with the cardiac ryanodine receptor without inducing channel modification. <i>Biochemical Journal</i> , 2007, 406, 309-315.	1.7	12
116	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
117	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
118	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
119	Introducing an alternative biophysical method to analyze direct G protein regulation of voltage-dependent calcium channels. <i>Journal of Neuroscience Methods</i> , 2007, 160, 26-36.	1.3	7
120	RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca ²⁺ channels. <i>Nature Neuroscience</i> , 2007, 10, 691-701.	7.1	212
121	Proteolytic cleavage of the voltage-gated Ca ²⁺ channel $\alpha_1\beta_1$ subunit: structural and functional features. <i>European Journal of Neuroscience</i> , 2007, 25, 1705-1710.	1.2	24
122	Importance of voltage-dependent inactivation in N-type calcium channel regulation by G-proteins. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 454, 115-129.	1.3	16
123	Hourglass SiO ₂ coating increases the performance of planar patch-clamp. <i>Journal of Biotechnology</i> , 2006, 125, 142-154.	1.9	47
124	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
125	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
126	Contribution of the kinetics of G protein dissociation to the characteristic modifications of N-type calcium channel activity. <i>Neuroscience Research</i> , 2006, 56, 332-343.	1.0	11

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127	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
128	Two PEST-like motifs regulate Ca ²⁺ /calpain-mediated cleavage of the CaV β 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
129	Differential down-regulation of voltage-gated calcium channel currents by glutamate and BDNF in embryonic cortical neurons. <i>European Journal of Neuroscience</i> , 2006, 24, 699-708.	1.2	14
130	Oocyte Expression With Injection of Purified T7 RNA Polymerase. <i>Methods in Molecular Biology</i> , 2006, 322, 55-67.	0.4	8
131	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
132	Structure-Function Strategies to Improve the Pharmacological Value of Animal Toxins. , 2006, , 415-419.		3
133	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
134	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
135	Increasing the molecular contacts between maurotoxin and Kv1.2 channel augments ligand affinity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 60, 401-411.	1.5	10
136	The impact of the fourth disulfide bridge in scorpion toxins of the $\hat{I}\pm$ -KTx6 subfamily. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 1010-1023.	1.5	21
137	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
138	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
139	Transduction of the Scorpion Toxin Maurocalcine into Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 12833-12839.	1.6	62
140	Triadins Are Not Triad-specific Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 28601-28609.	1.6	33
141	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
142	K ⁺ channel types targeted by synthetic OSK1, a toxin from Orthochirus scrobiculosus scorpion venom. <i>Biochemical Journal</i> , 2005, 385, 95-104.	1.7	103
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