

Carlos B Duarte

List of Publications by Year in descending order

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6,401
citations

81900

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all docs

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docs citations

146
times ranked

8495
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroprotection by BDNF against glutamate-induced apoptotic cell death is mediated by ERK and PI3-kinase pathways. <i>Cell Death and Differentiation</i> , 2005, 12, 1329-1343.	11.2	501
2	BDNF-induced local protein synthesis and synaptic plasticity. <i>Neuropharmacology</i> , 2014, 76, 639-656.	4.1	492
3	Regulation of hippocampal synaptic plasticity by BDNF. <i>Brain Research</i> , 2015, 1621, 82-101.	2.2	325
4	BDNF and Hippocampal Synaptic Plasticity. <i>Vitamins and Hormones</i> , 2017, 104, 153-195.	1.7	287
5	Role of the brain-derived neurotrophic factor at glutamatergic synapses. <i>British Journal of Pharmacology</i> , 2008, 153, S310-24.	5.4	248
6	Brain-derived Neurotrophic Factor Regulates the Expression and Synaptic Delivery of α -Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid Receptor Subunits in Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2007, 282, 12619-12628.	3.4	212
7	BDNF regulates the expression and traffic of NMDA receptors in cultured hippocampal neurons. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 208-219.	2.2	210
8	Intracellular signaling mechanisms in photodynamic therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1704, 59-86.	7.4	184
9	Regulation of AMPA receptors and synaptic plasticity. <i>Neuroscience</i> , 2009, 158, 105-125.	2.3	121
10	Regulation of local translation at the synapse by BDNF. <i>Progress in Neurobiology</i> , 2010, 92, 505-516.	5.7	109
11	Role of the ubiquitin-proteasome system in brain ischemia: Friend or foe?. <i>Progress in Neurobiology</i> , 2014, 112, 50-69.	5.7	108
12	Ischemic insults induce necroptotic cell death in hippocampal neurons through the up-regulation of endogenous RIP3. <i>Neurobiology of Disease</i> , 2014, 68, 26-36.	4.4	107
13	Calpastatin-mediated inhibition of calpains in the mouse brain prevents mutant ataxin 3 proteolysis, nuclear localization and aggregation, relieving Machado-Joseph disease. <i>Brain</i> , 2012, 135, 2428-2439.	7.6	98
14	Excitotoxicity Downregulates TrkB.FL Signaling and Upregulates the Neuroprotective Truncated TrkB Receptors in Cultured Hippocampal and Striatal Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 4610-4622.	3.6	84
15	Neuroprotection by GDNF in the ischemic brain. <i>Growth Factors</i> , 2012, 30, 242-257.	1.7	79
16	Calpains and neuronal damage in the ischemic brain: The swiss knife in synaptic injury. <i>Progress in Neurobiology</i> , 2016, 143, 1-35.	5.7	76
17	Characterization of ATP release from cultures enriched in cholinergic amacrine-like neurons. , 1999, 41, 340-348.		72
18	Regulation of AMPA receptors by phosphorylation. <i>Neurochemical Research</i> , 2000, 25, 1245-1255.	3.3	71

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19	Ca ²⁺ influx through glutamate receptor-associated channels in retina cells correlates with neuronal cell death. <i>European Journal of Pharmacology</i> , 1996, 302, 153-162.	3.5	68
20	Impairment of excitatory amino acid transporter activity by oxidative stress conditions in retinal cells: effect of antioxidants. <i>FASEB Journal</i> , 1997, 11, 154-163.	0.5	63
21	Validation of internal control genes for expression studies: Effects of the neurotrophin BDNF on hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2008, 86, 3684-3692.	2.9	63
22	Alterations in GABA _A -Receptor Trafficking and Synaptic Dysfunction in Brain Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 77.	3.7	59
23	The RNA-Binding Protein hnRNP K Mediates the Effect of BDNF on Dendritic mRNA Metabolism and Regulates Synaptic NMDA Receptors in Hippocampal Neurons. <i>ENeuro</i> , 2017, 4, ENEURO.0268-17.2017.	1.9	57
24	BDNF Regulates the Expression and Distribution of Vesicular Glutamate Transporters in Cultured Hippocampal Neurons. <i>PLoS ONE</i> , 2013, 8, e53793.	2.5	56
25	Role of GABA _A trafficking in the plasticity of inhibitory synapses. <i>Journal of Neurochemistry</i> , 2016, 139, 997-1018.	3.9	56
26	Role of oxidative stress in ERK and p38 MAPK activation induced by the chemical sensitizer DNFB in a fetal skin dendritic cell line. <i>Immunology and Cell Biology</i> , 2005, 83, 607-614.	2.3	54
27	BDNF-Induced Changes in the Expression of the Translation Machinery in Hippocampal Neurons: Protein Levels and Dendritic mRNA. <i>Journal of Proteome Research</i> , 2009, 8, 4536-4552.	3.7	54
28	Non-specific effects of the MEK inhibitors PD098,059 and U0126 on glutamate release from hippocampal synaptosomes. <i>Neuropharmacology</i> , 2002, 42, 9-19.	4.1	50
29	Differential roles of PI3-Kinase, MAPKs and NF- κ B on the manipulation of dendritic cell Th1/Th2 cytokine/chemokine polarizing profile. <i>Molecular Immunology</i> , 2009, 46, 2481-2492.	2.2	49
30	Validation of internal control genes for expression studies: Effects of the neurotrophin BDNF on hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2008, 86, 3684-3692.	2.9	48
31	Ca ²⁺ -dependent release of [3H]GABA in cultured chick retina cells. <i>Brain Research</i> , 1992, 591, 27-32.	2.2	47
32	LPS Induction of κ B- β Degradation and iNOS Expression in a Skin Dendritic Cell Line Is Prevented by the Janus Kinase 2 Inhibitor, Tyrphostin B42. <i>Nitric Oxide - Biology and Chemistry</i> , 2001, 5, 53-61.	2.7	47
33	Protein Kinase C β Associates Directly with the GluR4 β -Amino-3-hydroxy-5-methyl-4-isoxazole Propionate Receptor Subunit. <i>Journal of Biological Chemistry</i> , 2003, 278, 6307-6313.	3.4	47
34	Calpain inhibition reduces ataxin-3 cleavage alleviating neuropathology and motor impairments in mouse models of Machado-Joseph disease. <i>Human Molecular Genetics</i> , 2014, 23, 4932-4944.	2.9	46
35	Effect of oxidative stress on the release of [3H]GABA in cultured chick retina cells. <i>Brain Research</i> , 1994, 655, 213-221.	2.2	44
36	Nitric Oxide Modulates Tumor Cell Death Induced by Photodynamic Therapy Through a cGMP-dependent Mechanism. <i>Photochemistry and Photobiology</i> , 2002, 76, 423.	2.5	44

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37	Effects of mood stabilizers on the inhibition of adenylate cyclase via dopamine D2-like receptors. <i>Bipolar Disorders</i> , 2007, 9, 290-297.	1.9	44
38	Regulation of AMPA receptor activity, synaptic targeting and recycling: role in synaptic plasticity. <i>Neurochemical Research</i> , 2003, 28, 1459-1473.	3.3	42
39	Cleavage of the Vesicular GABA Transporter under Excitotoxic Conditions Is Followed by Accumulation of the Truncated Transporter in Nonsynaptic Sites. <i>Journal of Neuroscience</i> , 2011, 31, 4622-4635.	3.6	42
40	Granulocyte- α macrophage colony-stimulating factor activates the transcription of nuclear factor kappa B and induces the expression of nitric oxide synthase in a skin dendritic cell line. <i>Immunology and Cell Biology</i> , 2001, 79, 590-596.	2.3	41
41	Adaptive preconditioning in neurological diseases - therapeutic insights from proteostatic perturbations. <i>Brain Research</i> , 2016, 1648, 603-616.	2.2	41
42	Gephyrin Cleavage in In Vitro Brain Ischemia Decreases GABAA Receptor Clustering and Contributes to Neuronal Death. <i>Molecular Neurobiology</i> , 2016, 53, 3513-3527.	4.0	41
43	Differential Role of the Proteasome in the Early and Late Phases of BDNF-Induced Facilitation of LTP. <i>Journal of Neuroscience</i> , 2015, 35, 3319-3329.	3.6	40
44	Glutamate increases the $[Ca^{2+}]_i$ but stimulates Ca^{2+} -independent release of $[^3H]GABA$ in cultured chick retina cells. <i>Brain Research</i> , 1993, 611, 130-138.	2.2	38
45	Contact sensitizer nickel sulfate activates the transcription factors NF- κ B and AP-1 and increases the expression of nitric oxide synthase in a skin dendritic cell line. <i>Experimental Dermatology</i> , 2004, 13, 18-26.	2.9	38
46	Excitotoxic stimulation downregulates the ubiquitin-proteasome system through activation of NMDA receptors in cultured hippocampal neurons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 263-274.	3.8	37
47	Glutamate in Life and Death of Retinal Amacrine Cells*. <i>General Pharmacology</i> , 1998, 30, 289-295.	0.7	36
48	GABAA receptor dephosphorylation followed by internalization is coupled to neuronal death in in vitro ischemia. <i>Neurobiology of Disease</i> , 2014, 65, 220-232.	4.4	36
49	Relation of $[Ca^{2+}]_i$ to dopamine release in striatal synaptosomes: role of Ca^{2+} channels. <i>Brain Research</i> , 1995, 669, 234-244.	2.2	35
50	Sample sonication after trichloroacetic acid precipitation increases protein recovery from cultured hippocampal neurons, and improves resolution and reproducibility in two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2006, 27, 1825-1831.	2.4	35
51	Multiple domains in the C-terminus of NMDA receptor GluN2B subunit contribute to neuronal death following in vitro ischemia. <i>Neurobiology of Disease</i> , 2016, 89, 223-234.	4.4	34
52	$[Ca^{2+}]_i$ regulation by glutamate receptor agonists in cultured chick retina cells. <i>Vision Research</i> , 1996, 36, 1091-1102.	1.4	32
53	Oxidative stress affects the selective ion permeability of voltage-sensitive Ca^{2+} channels in cultured retinal cells. <i>Neuroscience Research</i> , 1997, 27, 323-334.	1.9	31
54	Cleavage of the vesicular glutamate transporters under excitotoxic conditions. <i>Neurobiology of Disease</i> , 2011, 44, 292-303.	4.4	31

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55	Release of [3H]GABA evoked by glutamate receptor agonists in cultured chick retina cells: effect of Ca ²⁺ . <i>Brain Research</i> , 1994, 664, 252-256.	2.2	30
56	Calcium Influx Through AMPA Receptors and Through Calcium Channels Is Regulated by Protein Kinase C in Cultured Retina Amacrine-Like Cells. <i>Journal of Neurochemistry</i> , 1998, 70, 2112-2119.	3.9	30
57	DNFB activates MAPKs and upregulates CD40 in skin-derived dendritic cells. <i>Journal of Dermatological Science</i> , 2005, 39, 113-123.	1.9	30
58	The interaction between dopamine D2-like and beta-adrenergic receptors in the prefrontal cortex is altered by mood-stabilizing agents. <i>Journal of Neurochemistry</i> , 2006, 96, 1336-1348.	3.9	30
59	Differential modulation of CXCR4 and CD40 protein levels by skin sensitizers and irritants in the FSDC cell line. <i>Toxicology Letters</i> , 2008, 177, 74-82.	0.8	30
60	Spatiotemporal resolution of BDNF neuroprotection against glutamate excitotoxicity in cultured hippocampal neurons. <i>Neuroscience</i> , 2013, 237, 66-86.	2.3	30
61	Synaptosomal [Ca ²⁺] _i as influenced by Na ⁺ /Ca ²⁺ exchange and K ⁺ depolarization. <i>Cell Calcium</i> , 1991, 12, 623-633.	2.4	29
62	A Toxin Fraction (FTX) from the Funnel-Web Spider Poison Inhibits Dihydropyridine-Insensitive Ca ²⁺ -Channels Coupled to Catecholamine Release in Bovine Adrenal Chromaffin Cells. <i>Journal of Neurochemistry</i> , 1993, 60, 908-913.	3.9	29
63	Kainate-induced retina amacrine-like cell damage is mediated by AMPA receptors. <i>NeuroReport</i> , 1998, 9, 3471-3475.	1.2	29
64	Juice of <i>Bryophyllum pinnatum</i> (Lam.) inhibits oxytocin-induced increase of the intracellular calcium concentration in human myometrial cells. <i>Phytomedicine</i> , 2010, 17, 980-986.	5.3	29
65	Neomycin blocks dihydropyridine-insensitive Ca ²⁺ influx in bovine adrenal chromaffin cells. <i>European Journal of Pharmacology</i> , 1993, 244, 259-267.	2.6	28
66	Differential acetylcholine and GABA release from cultured chick retina cells. <i>European Journal of Neuroscience</i> , 1998, 10, 2723-2730.	2.6	28
67	Dexamethasone prevents granulocyte-macrophage colony-stimulating factor-induced nuclear factor- κ B activation, inducible nitric oxide synthase expression and nitric oxide production in a skin dendritic cell line. <i>Mediators of Inflammation</i> , 2003, 12, 71-78.	3.0	28
68	Contactin-associated Protein 1 (Caspr1) Regulates the Traffic and Synaptic Content of α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA)-type Glutamate Receptors. <i>Journal of Biological Chemistry</i> , 2012, 287, 6868-6877.	3.4	28
69	Influence of isolation media on synaptosomal properties: Intracellular pH, pCa, and Ca ²⁺ uptake. <i>Neurochemical Research</i> , 1990, 15, 313-320.	3.3	27
70	Regulation of carrier-mediated and exocytotic release of [3H]GABA in rat brain synaptosomes. <i>Neurochemical Research</i> , 1991, 16, 763-772.	3.3	27
71	Activity of Ionotropic Glutamate Receptors in Retinal Cells: Effect of Ascorbate/Fe ²⁺ -Induced Oxidative Stress. <i>Journal of Neurochemistry</i> , 2002, 67, 1153-1163.	3.9	27
72	Metabotropic glutamate and dopamine receptors co-regulate AMPA receptor activity through PKA in cultured chick retinal neurones: effect on GluR4 phosphorylation and surface expression. <i>Journal of Neurochemistry</i> , 2004, 90, 673-682.	3.9	27

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73	Trkb receptors modulation of glutamate release is limited to a subset of nerve terminals in the adult rat hippocampus. <i>Journal of Neuroscience Research</i> , 2006, 83, 832-844.	2.9	27
74	Downregulation of GABAA Receptor Recycling Mediated by HAP1 Contributes to Neuronal Death in In Vitro Brain Ischemia. <i>Molecular Neurobiology</i> , 2017, 54, 45-57.	4.0	27
75	Dexamethasone prevents interleukin-1 β -induced nuclear factor- κ B activation by upregulating I κ B- α synthesis, in lymphoblastic cells. <i>Mediators of Inflammation</i> , 2003, 12, 37-46.	3.0	26
76	PKC Anchoring to GluR4 AMPA Receptor Subunit Modulates PKC-Driven Receptor Phosphorylation and Surface Expression. <i>Traffic</i> , 2007, 8, 259-269.	2.7	24
77	BDNF increases synaptic NMDA receptor abundance by enhancing the local translation of Pyk2 in cultured hippocampal neurons. <i>Science Signaling</i> , 2019, 12, .	3.6	24
78	Excitotoxicity through Ca ²⁺ -permeable AMPA receptors requires Ca ²⁺ -dependent JNK activation. <i>Neurobiology of Disease</i> , 2010, 40, 645-655.	4.4	23
79	Role of the ubiquitin-proteasome system in nervous system function and disease: using <i>C. elegans</i> as a dissecting tool. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2691-2715.	5.4	22
80	Brain ischemia downregulates the neuroprotective GDNF-Ret signaling by a calpain-dependent mechanism in cultured hippocampal neurons. <i>Cell Death and Disease</i> , 2015, 6, e1645-e1645.	6.3	22
81	Neuronal Activity Induces Synaptic Delivery of hnRNP A2/B1 by a BDNF-Dependent Mechanism in Cultured Hippocampal Neurons. <i>PLoS ONE</i> , 2014, 9, e108175.	2.5	22
82	Signal transduction profile of chemical sensitizers in dendritic cells: An endpoint to be included in a cell-based in vitro alternative approach to hazard identification?. <i>Toxicology and Applied Pharmacology</i> , 2011, 250, 87-95.	2.8	21
83	Role of the Proteasome in Excitotoxicity-Induced Cleavage of Glutamic Acid Decarboxylase in Cultured Hippocampal Neurons. <i>PLoS ONE</i> , 2010, 5, e10139.	2.5	21
84	Adenosine A1 receptors inhibit Ca ²⁺ channels coupled to the release of ACh, but not of GABA, in cultured retina cells. <i>Brain Research</i> , 2000, 852, 10-15.	2.2	20
85	Dexamethasone-induced and estradiol-induced CREB activation and annexin 1 expression in CCRF-CEM lymphoblastic cells: evidence for the involvement of cAMP and p38 MAPK. <i>Mediators of Inflammation</i> , 2003, 12, 329-337.	3.0	20
86	Proteomic Analysis of an Interactome for Long-Form AMPA Receptor Subunits. <i>Journal of Proteome Research</i> , 2010, 9, 1670-1682.	3.7	20
87	The Role of Proteases in Hippocampal Synaptic Plasticity: Putting Together Small Pieces of a Complex Puzzle. <i>Neurochemical Research</i> , 2016, 41, 156-182.	3.3	20
88	In Vitro Ischemia Triggers a Transcriptional Response to Down-Regulate Synaptic Proteins in Hippocampal Neurons. <i>PLoS ONE</i> , 2014, 9, e99958.	2.5	20
89	Corelease of two functionally opposite neurotransmitters by retinal amacrine cells: Experimental evidence and functional significance. , 1999, 58, 475-479.		18
90	Metabotropic glutamate receptors modulate [3H]acetylcholine release from cultured amacrine-like neurons. , 1999, 58, 505-514.		18

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91	Glutamate receptor agonists evoked Ca ²⁺ -dependent and Ca ²⁺ -independent release of [3H]d-Aspartate from cultured chick retina cells. <i>Neurochemical Research</i> , 1996, 21, 361-368.	3.3	17
92	Nitric oxide differentially affects the exocytotic and the carrier-mediated release of [3H]l ³ -aminobutyric acid in rat hippocampal synaptosomes. <i>Molecular Brain Research</i> , 1998, 55, 337-340.	2.3	17
93	17 β -Estradiol promotes the synthesis and the secretion of annexin I in the CCRF-CEM human cell line. <i>Mediators of Inflammation</i> , 2001, 10, 245-251.	3.0	17
94	Modulation of [³ H]Acetylcholine Release from Cultured Amacrine-Like Neurons by Adenosine A ₁ Receptors. <i>Journal of Neurochemistry</i> , 1998, 71, 1086-1094.	3.9	17
95	Excitotoxicity mediated by Ca ²⁺ -permeable GluR4-containing AMPA receptors involves the AP-1 transcription factor. <i>Cell Death and Differentiation</i> , 2006, 13, 652-660.	11.2	17
96	Photosensitization of lymphoblastoid cells with phthalocyanines at different saturating incubation times. <i>Cell Biology and Toxicology</i> , 1999, 15, 249-260.	5.3	16
97	Intracellular lithium and cyclic AMP levels are mutually regulated in neuronal cells. <i>Journal of Neurochemistry</i> , 2004, 90, 920-930.	3.9	16
98	Relation of exocytotic release of γ -aminobutyric acid to Ca ²⁺ entry through Ca ²⁺ channels or by reversal of the Na ⁺ /Ca ²⁺ exchanger in synaptosomes. <i>Pflügers Archiv European Journal of Physiology</i> , 1993, 423, 314-323.	2.8	15
99	Phosphorylation of GluR4 AMPA-type glutamate receptor subunit by protein kinase C in cultured retina amacrine neurons. <i>European Journal of Neuroscience</i> , 2002, 15, 465-474.	2.6	15
100	Preparation of Primary Cultures of Embryonic Rat Hippocampal and Cerebrocortical Neurons. <i>Bio-protocol</i> , 2017, 7, e2551.	0.4	15
101	Involvement of class A calcium channels in the KCl induced Ca ²⁺ influx in hippocampal synaptosomes. <i>Brain Research</i> , 1995, 696, 242-245.	2.2	14
102	Glutamate Receptor Modulation of [3H]GABA Release and Intracellular Calcium in Chick Retina Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 757, 439-456.	3.8	14
103	Dexamethasone induces the secretion of annexin I in immature lymphoblastic cells by a calcium-dependent mechanism. <i>Molecular and Cellular Biochemistry</i> , 2002, 237, 31-38.	3.1	14
104	Proteomics-Based Technologies in the Discovery of Biomarkers for Multiple Sclerosis in the Cerebrospinal Fluid. <i>Current Molecular Medicine</i> , 2011, 11, 326-349.	1.3	14
105	Genistein inhibits Ca ²⁺ influx and glutamate release from hippocampal synaptosomes: putative non-specific effects. <i>Neurochemistry International</i> , 2003, 42, 179-188.	3.8	13
106	'Chemical ischemia' in cultured retina cells: the role of excitatory amino acid receptors and of energy levels on cell death. <i>Brain Research</i> , 1997, 768, 157-166.	2.2	12
107	Differential activation of nuclear factor kappa B subunits in a skin dendritic cell line in response to the strong sensitizer 2,4-dinitrofluorobenzene. <i>Archives of Dermatological Research</i> , 2002, 294, 419-425.	1.9	12
108	Contact sensitizers downregulate the expression of the chemokine receptors CCR6 and CXCR4 in a skin dendritic cell line. <i>Archives of Dermatological Research</i> , 2005, 297, 43-47.	1.9	12

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109	BDNF-Live-Exon-Visualization (BLEV) Allows Differential Detection of BDNF Transcripts in vitro and in vivo. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 325.	2.9	12
110	Domoic acid induced release of [3H]GABA in cultured chick retina cells. <i>Neurochemistry International</i> , 1994, 24, 267-274.	3.8	11
111	Neurotrophin Signaling and Cell Survival. , 2007, , 137-172.		11
112	P2X7 Receptors Mediate CO-Induced Alterations in Gene Expression in Cultured Cortical Astrocytesâ€”Transcriptomic Study. <i>Molecular Neurobiology</i> , 2019, 56, 3159-3174.	4.0	11
113	Transient incubation of cultured hippocampal neurons in the absence of magnesium induces rhythmic and synchronized epileptiform-like activity. <i>Scientific Reports</i> , 2021, 11, 11374.	3.3	11
114	Voltage-sensitive Ca ²⁺ channels in rat striatal synaptosomes : Role on the [Ca ²⁺] _i responses to membrane depolarization. <i>Neurochemistry International</i> , 1996, 28, 67-75.	3.8	10
115	Culture medium components modulate retina cell damage induced by glutamate, kainate or â€œchemical ischemiaâ€” Neurochemistry International, 1998, 32, 387-396.	3.8	10
116	The Sensitizers Nickel Sulfate and 2,4-dinitrofluorobenzene Increase CD40 and IL-12 Receptor Expression in a Fetal Skin Dendritic Cell Line. <i>Bioscience Reports</i> , 2004, 24, 191-202.	2.4	10
117	Release of IL-1 β via IL-1 β -Converting Enzyme in a Skin Dendritic Cell Line Exposed to 2,4-Dinitrofluorobenzene. <i>Mediators of Inflammation</i> , 2005, 2005, 131-138.	3.0	10
118	Intracellular free Na ⁺ concentration increases in cultured retinal cells under oxidative stress conditions. <i>Neuroscience Research</i> , 1996, 25, 343-351.	1.9	9
119	Effect of Skin Sensitizers on Inducible Nitric Oxide Synthase Expression and Nitric Oxide Production in Skin Dendritic Cells: Role of Different Immunosuppressive Drugs. <i>Immunopharmacology and Immunotoxicology</i> , 2007, 29, 225-241.	2.4	9
120	Characterization of alternatively spliced isoforms of AMPA receptor subunits encoding truncated receptors. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 323-334.	2.2	9
121	Effect of carbon monoxide on gene expression in cerebrocortical astrocytes: Validation of reference genes for quantitative real-time PCR. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 49, 80-89.	2.7	9
122	The Sensitizer 2,4-Dinitrofluorobenzene Activates Caspase-3 and Induces Cell Death in a Skin Dendritic Cell Line. <i>International Journal of Toxicology</i> , 2003, 22, 43-48.	1.2	8
123	[3H]Acetylcholine release from rat amacrine-like neurons is inhibited by adenosine A1 receptor activation. <i>NeuroReport</i> , 1998, 9, 3692-3698.	1.2	6
124	Calpains are activated by photodynamic therapy but do not contribute to apoptotic tumor cell death. <i>Cancer Letters</i> , 2004, 216, 183-189.	7.2	6
125	Reactive Oxygen Species on GABA Release ^{<sup>a</sup>} . <i>Annals of the New York Academy of Sciences</i> , 1994, 738, 130-140.	3.8	6
126	p75 ^{NTR} Processing and Signaling: Functional Role. , 2014, , 1899-1923.		6

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127	Polyamide 6.6 thin films with distinct ratios of the main chemical groups: Influence in the primary neuronal cell culture. <i>Applied Surface Science</i> , 2019, 490, 30-37.	6.1	6
128	Brain-derived neurotrophic factor-induced regulation of RNA metabolism in neuronal development and synaptic plasticity. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1713.	6.4	6
129	Modulation of N-methyl-d-aspartate receptor activity by oxidative stress conditions in chick retinal cells. <i>Neuroscience Letters</i> , 1995, 198, 193-196.	2.1	5
130	On-line Detection of Glutamate Release from Culture Chick Retinospheroids. <i>Vision Research</i> , 1996, 36, 1867-1872.	1.4	5
131	Posttranslational modifications of proteins are key features in the identification of CSF biomarkers of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2022, 19, 44.	7.2	4
132	Influence of oxidative stress on membrane potential and on K ⁺ channels in neuronal cells. <i>Bioelectrochemistry</i> , 1995, 38, 297-305.	1.0	3
133	Characterization of Voltage-Sensitive Ca ²⁺ Channels Activated by Presynaptic Glutamate Receptor Stimulation in Hippocampus. <i>Annals of the New York Academy of Sciences</i> , 1995, 757, 457-459.	3.8	3
134	Erratum to "Calpains and neuronal damage in the ischemic brain: The swiss knife in synaptic injury" [Progress in Neurobiology 143 (2016) 1-35]. <i>Progress in Neurobiology</i> , 2016, 147, 20.	5.7	3
135	Molecular Mechanisms of Epilepsy: The Role of the Chloride Transporter KCC2. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1500-1515.	2.3	3
136	In Vitro Behavior and Surface Morphology of Modified 316L Stainless Steel Stents. <i>Microscopy and Microanalysis</i> , 2008, 14, 35-36.	0.4	2
137	Effect of lipopolysaccharide, skin sensitizers and irritants on thioredoxin-1 expression in dendritic cells: relevance of different signalling pathways. <i>Archives of Dermatological Research</i> , 2010, 302, 271-282.	1.9	2
138	Response of the cerebral vasculature to systemic carbon monoxide administration: Regional differences and sexual dimorphism. <i>European Journal of Neuroscience</i> , 2020, 52, 2771-2780.	2.6	2
139	Modulation of the Ampa/Kainate Receptors by Protein Kinase C. , 1995, , 115-124.		2
140	Analysis of the presynaptic signaling mechanisms underlying the inhibition of LTP in rat dentate gyrus by the tyrosine kinase inhibitor, genistein. <i>Hippocampus</i> , 2003, 13, 978-979.	1.9	1
141	7 th ISN special neurochemistry conference "Synaptic function and dysfunction in brain diseases". <i>Journal of Neurochemistry</i> , 2016, 139, 918-920.	3.9	1
142	GRASP1 ubiquitination regulates AMPA receptor surface expression and synaptic activity in cultured hippocampal neurons. <i>FASEB Journal</i> , 2021, 35, e21763.	0.5	1
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146	Intracellular free Na ⁺ concentration increases in cultured retinal cells under oxidative stress conditions. Neuroscience Research, 1996, 25, 343-351.	1.9	0