Henning Ulrich

List of Publications by Citations

255 papers	6,195 citations	41 h-index	67 g-index
281 ext. papers	7,646 ext. citations	5 avg, IF	6.33 L-index

#	Paper	IF	Citations
255	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
254	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
253	CD147 as a Target for COVID-19 Treatment: Suggested Effects of Azithromycin and Stem Cell Engagement. *Stem Cell Reviews and Reports*, **2020**, 16, 434-440	7.3	256
252	In vitro selection of RNA aptamers that bind to cell adhesion receptors of Trypanosoma cruzi and inhibit cell invasion. *Journal of Biological Chemistry*, **2002**, 277, 20756-62	5.4	118
251	Human adult stem cells from diverse origins: an overview from multiparametric immunophenotyping to clinical applications. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2014**, 85, 43-77	4.6	115
250	Functions of neurotrophins and growth factors in neurogenesis and brain repair. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2013**, 83, 76-89	4.6	105
249	Calcium signaling and cell proliferation. *Cellular Signalling*, **2015**, 27, 2139-49	4.9	102
248	Infection by Trypanosoma cruzi. Identification of a parasite ligand and its host cell receptor. *Journal of Biological Chemistry*, **2001**, 276, 19382-9	5.4	99
247	Phenotypes of stem cells from diverse origin. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2010**, 77, 6-10	4.6	92
246	Purinergic signaling in embryonic and stem cell development. *Cellular and Molecular Life Sciences*, **2011**, 68, 1369-94	10.3	91
245	Alpha-lipoic acid supplementation prevents symptoms of vitamin E deficiency. *Biochemical and Biophysical Research Communications*, **1994**, 204, 98-104	3.4	90
244	Human mesenchymal stem cells: from immunophenotyping by flow cytometry to clinical applications. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2013**, 83, 48-61	4.6	88
243	Novel perspectives of neural stem cell differentiation: from neurotransmitters to therapeutics. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2009**, 75, 38-53	4.6	74
242	Nucleic acid aptamers as high affinity ligands in biotechnology and biosensorics. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 81-82, 210-7	3.5	71
241	DNA and RNA aptamers: from tools for basic research towards therapeutic applications. *Combinatorial Chemistry and High Throughput Screening*, **2006**, 9, 619-32	1.3	71
240	Purinergic system dysfunction in mood disorders: a key target for developing improved therapeutics. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2015**, 57, 117-31	5.5	70
239	In vitro selection of RNA molecules that displace cocaine from the membrane-bound nicotinic acetylcholine receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 14051-6	11.5	65

238	Purinergic system in psychiatric diseases. *Molecular Psychiatry*, **2018**, 23, 94-106	15.1	64
237	Regulation of Microglial Functions by Purinergic Mechanisms in the Healthy and Diseased CNS. *Cells* , **2020**, 9,	7.9	60
236	P19 embryonal carcinoma cells as in vitro model for studying purinergic receptor expression and modulation of N-methyl-D-aspartate-glutamate and acetylcholine receptors during neuronal differentiation. *Neuroscience*, **2007**, 146, 1169-81	3.9	59
235	RNA and DNA aptamers in cytomics analysis. *Cytometry*, **2004**, 59, 220-31		58
234	Extrinsic purinergic regulation of neural stem/progenitor cells: implications for CNS development and repair. *Stem Cell Reviews and Reports*, **2012**, 8, 755-67	6.4	56
233	Disease-specific biomarker discovery by aptamers. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2009**, 75, 727-33	4.6	56
232	Neural stem cell differentiation into mature neurons: Mechanisms of regulation and biotechnological applications. *Biotechnology Advances*, **2018**, 36, 1946-1970	17.8	55
231	Interplay Between Exosomes, microRNAs and Toll-Like Receptors in Brain Disorders. *Molecular Neurobiology*, **2016**, 53, 2016-2028	6.2	54
230	Dengue Fever, COVID-19 (SARS-CoV-2), and Antibody-Dependent Enhancement (ADE): A Perspective. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2020**, 97, 662-667	4.6	54
229	Modulation of mouse embryonic stem cell proliferation and neural differentiation by the P2X7 receptor. *PLoS ONE*, **2014**, 9, e96281	3.7	54
228	Alteration of purinergic P2X4 and P2X7 receptor expression in rats with temporal-lobe epilepsy induced by pilocarpine. *Epilepsy Research*, **2009**, 83, 157-67	3	52
227	Purinergic receptors in embryonic and adult neurogenesis. *Neuropharmacology*, **2016**, 104, 272-81	5.5	51
226	Amino acid metabolic routes in Trypanosoma cruzi: possible therapeutic targets against Chagas' disease. *Current Drug Targets Infectious Disorders*, **2005**, 5, 53-64		50
225	Perspectives of purinergic signaling in stem cell differentiation and tissue regeneration. *Purinergic Signalling*, **2012**, 8, 523-37	3.8	49
224	New insights into purinergic receptor signaling in neuronal differentiation, neuroprotection, and brain disorders. *Purinergic Signalling*, **2007**, 3, 317-31	3.8	49
223	Neuronal differentiation of P19 embryonal carcinoma cells modulates kinin B2 receptor gene expression and function. *Journal of Biological Chemistry*, **2005**, 280, 19576-86	5.4	49
222	Role of acetylcholine receptors in proliferation and differentiation of P19 embryonal carcinoma cells. *Experimental Cell Research*, **2008**, 314, 1429-43	4.2	48
221	Mechanism-based discovery of ligands that counteract inhibition of the nicotinic acetylcholine receptor by cocaine and MK-801. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 13895-900	11.5	47

220	Conformational effects in biological catalysis: an antibody-catalyzed oxy-cope rearrangement. *Biochemistry*, **2000**, 39, 627-32	3.2	46
219	Neural differentiation of rat aorta pericyte cells. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2012**, 81, 65-71	4.6	44
218	Neurotransmitter receptor expression and activity during neuronal differentiation of embryonal carcinoma and stem cells: from basic research towards clinical applications. *Cell Proliferation*, **2006**, 39, 281-300	7.9	44
217	Hyperactivation of P2X7 receptors as a culprit of COVID-19 neuropathology. *Molecular Psychiatry*, **2021**, 26, 1044-1059	15.1	44
216	P2X7 Receptor Signaling in Stress and Depression. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	43
215	From purines to purinergic signalling: molecular functions and human diseases. *Signal Transduction and Targeted Therapy*, **2021**, 6, 162	21	41
214	Mechanism of acetylcholine-induced calcium signaling during neuronal differentiation of P19 embryonal carcinoma cells in vitro. *Cell Calcium*, **2008**, 43, 107-21	4	40
213	Antiproliferative and apoptotic effects of caffeic acid on SK-Mel-28 human melanoma cancer cells. *Molecular Biology Reports*, **2019**, 46, 2085-2092	2.8	39
212	Optimization of SELEX: comparison of different methods for monitoring the progress of in vitro selection of aptamers. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 91, 151-9	3.5	38
211	Recognition of biomarkers and cell-specific molecular signatures: aptamers as capture agents. *Journal of Separation Science*, **2009**, 32, 1523-30	3.4	38
210	Actions of octocoral and tobacco cembranoids on nicotinic receptors. *Toxicon*, **2009**, 54, 1174-82	2.8	38
209	Extracellular nucleotides as novel, underappreciated pro-metastatic factors that stimulate purinergic signaling in human lung cancer cells. *Molecular Cancer*, **2015**, 14, 201	42.1	37
208	Pharmacological properties of purinergic receptors and their effects on proliferation and induction of neuronal differentiation of P19 embryonal carcinoma cells. *International Journal of Developmental Neuroscience*, **2008**, 26, 763-77	2.7	37
207	Kinin-B2 receptor expression and activity during differentiation of embryonic rat neurospheres. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2008**, 73, 361-8	4.6	37
206	Implications of purinergic receptor-mediated intracellular calcium transients in neural differentiation. *Cell Communication and Signaling*, **2013**, 11, 12	7.5	36
205	Peptide blockers of the inhibition of neuronal nicotinic acetylcholine receptors by amyloid beta. *Journal of Biological Chemistry*, **2005**, 280, 31085-90	5.4	36
204	Aptamer for imaging and therapeutic targeting of brain tumor glioblastoma. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2015**, 87, 806-16	4.6	35
203	Kinin-B2 receptor activity determines the differentiation fate of neural stem cells. *Journal of Biological Chemistry*, **2012**, 287, 44046-61	5.4	33

202	Natural intracellular peptides can modulate the interactions of mouse brain proteins and thimet oligopeptidase with 14-3-3 and calmodulin. *Proteomics*, **2012**, 12, 2641-55	4.8	32
201	The P2X7 Receptor: Central Hub of Brain Diseases. *Frontiers in Molecular Neuroscience*, **2020**, 13, 124	6.1	32
200	Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. *Leukemia*, **2018**, 32, 1920-1931	10.7	31
199	Infection with Leishmania amazonensis upregulates purinergic receptor expression and induces host-cell susceptibility to UTP-mediated apoptosis. *Cellular Microbiology*, **2011**, 13, 1410-28	3.9	31
198	5-Aminolevulinate and 4, 5-dioxovalerate ions decrease GABA(A) receptor density in neuronal cells, synaptosomes and rat brain. *Brain Research*, **2006**, 1093, 95-104	3.7	31
197	Alternative splicing of P2X6 receptors in developing mouse brain and during in vitro neuronal differentiation. *Experimental Physiology*, **2007**, 92, 139-45	2.4	29
196	Neuronal adhesion, proliferation and differentiation of embryonic stem cells on hybrid scaffolds made of xanthan and magnetite nanoparticles. *Biomedical Materials (Bristol)*, **2015**, 10, 045002	3.5	28
195	Kinins and microglial responses in bipolar disorder: a neuroinflammation hypothesis. *Biological Chemistry*, **2016**, 397, 283-96	4.5	27
194	Carvacrol promotes neuroprotection in the mouse hemiparkinsonian model. *Neuroscience*, **2017**, 356, 176-181	3.9	26
193	Retinoic acid-treated pluripotent stem cells undergoing neurogenesis present increased aneuploidy and micronuclei formation. *PLoS ONE*, **2011**, 6, e20667	3.7	26
192	Aptamers: from bench side research towards patented molecules with therapeutic applications. *Expert Opinion on Therapeutic Patents*, **2009**, 19, 1603-13	6.8	26
191	Kinin-B1 Receptor Stimulation Promotes Invasion and is Involved in Cell-Cell Interaction of Co-Cultured Glioblastoma and Mesenchymal Stem Cells. *Scientific Reports*, **2018**, 8, 1299	4.9	25
190	Kinin and Purine Signaling Contributes to Neuroblastoma Metastasis. *Frontiers in Pharmacology*, **2018**, 9, 500	5.6	25
189	Characterization of ectonucleotidases in human medulloblastoma cell lines: ecto-5'NT/CD73 in metastasis as potential prognostic factor. *PLoS ONE*, **2012**, 7, e47468	3.7	25
188	Aptamers: novel molecules as diagnostic markers in bacterial and viral infections?. *BioMed Research International*, **2013**, 2013, 731516	3	25
187	Directed differentiation of neural progenitors into neurons is accompanied by altered expression of P2X purinergic receptors. *Journal of Molecular Neuroscience*, **2011**, 44, 141-6	3.3	25
186	RNA aptamers: from basic science towards therapy. *Handbook of Experimental Pharmacology*, **2006**, 305-26	3.6	25
185	Development of the anti-VEGF aptamer to a therapeutic agent for clinical ophthalmology. *Clinical Ophthalmology*, **2007**, 1, 393-402	2.5	25

184	Aptamers: novelty tools for cancer biology. *Oncotarget*, **2018**, 9, 26934-26953	3.3	25
183	Spermine protects from LPS-induced memory deficit via BDNF and TrkB activation. *Neurobiology of Learning and Memory*, **2018**, 149, 135-143	3.1	24
182	Magnetic hydrogels for levodopa release and cell stimulation triggered by external magnetic field. *Colloids and Surfaces B: Biointerfaces*, **2018**, 167, 415-424	6	24
181	Cell cycle regulation during neurogenesis in the embryonic and adult brain. *Stem Cell Reviews and Reports*, **2013**, 9, 794-805	6.4	24
180	Kinin-B2 receptor mediated neuroprotection after NMDA excitotoxicity is reversed in the presence of kinin-B1 receptor agonists. *PLoS ONE*, **2012**, 7, e30755	3.7	24
179	Inhibition mechanism of the recombinant rat P2X(2) receptor in glial cells by suramin and TNP-ATP. *Biochemistry*, **2006**, 45, 224-33	3.2	24
178	Effect of lipoic acid on cyclophosphamide-induced diabetes and insulitis in non-obese diabetic mice. *International Journal of Immunopharmacology*, **1994**, 16, 61-6		24
177	Brilliant Blue G, But Not Fenofibrate, Treatment Reverts Hemiparkinsonian Behavior and Restores Dopamine Levels in an Animal Model of Parkinson's Disease. *Cell Transplantation*, **2017**, 26, 669-677	4	23
176	Purinergic Receptors in Neurological Diseases With Motor Symptoms: Targets for Therapy. *Frontiers in Pharmacology*, **2018**, 9, 325	5.6	23
175	Proline rich-oligopeptides: diverse mechanisms for antihypertensive action. *Peptides*, **2013**, 48, 124-33	3.8	23
174	Regulation of neurogenesis and gliogenesis of retinoic acid-induced P19 embryonal carcinoma cells by P2X2 and P2X7 receptors studied by RNA interference. *International Journal of Developmental Neuroscience*, **2012**, 30, 91-7	2.7	23
173	Interactions between the NO-citrulline cycle and brain-derived neurotrophic factor in differentiation of neural stem cells. *Journal of Biological Chemistry*, **2012**, 287, 29690-701	5.4	23
172	Calcium signalling: A common target in neurological disorders and neurogenesis. *Seminars in Cell and Developmental Biology*, **2019**, 95, 25-33	7.5	23
171	Bj-PRO-5a, a natural angiotensin-converting enzyme inhibitor, promotes vasodilatation mediated by both bradykinin B□nd M1 muscarinic acetylcholine receptors. *Biochemical Pharmacology*, **2011**, 81, 736-42	6	22
170	Bone marrow-derived mesenchymal stem cells adipose-derived mesenchymal stem cells for peripheral nerve regeneration. *Neural Regeneration Research*, **2018**, 13, 100-104	4.5	22
169	Concise Review: Molecular Cytogenetics and Quality Control: Clinical Guardians for Pluripotent Stem Cells. *Stem Cells Translational Medicine*, **2018**, 7, 867-875	6.9	22
168	Novel Conducting and Biodegradable Copolymers with Noncytotoxic Properties toward Embryonic Stem Cells. *ACS Omega*, **2018**, 3, 5593-5604	3.9	22
167	Characterization of pressure-induced calcium response in neuronal cell lines. *Cytometry*, **2001**, 43, 175-81		21

166	DNA and RNA aptamers as modulators of protein function. *Medicinal Chemistry*, **2005**, 1, 199-208	1.8	21
165	Immunomodulation in stem cell differentiation into neurons and brain repair. *Stem Cell Reviews and Reports*, **2015**, 11, 474-86	6.4	20
164	Bradykinin promotes neuron-generating division of neural progenitor cells through ERK activation. *Journal of Cell Science*, **2016**, 129, 3437-48	5.3	20
163	Roles of kinins in the nervous system. *Cell Transplantation*, **2015**, 24, 613-23	4	20
162	Glioblastoma-mesenchymal stem cell communication modulates expression patterns of kinin receptors: Possible involvement of bradykinin in information flow. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2016**, 89, 365-75	4.6	20
161	Tumor necrosis factor reduces Plasmodium falciparum growth and activates calcium signaling in human malaria parasites. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 1489-97	4	20
160	Cancer Stem Cells or Tumor Survival Cells?. *Stem Cells and Development*, **2018**, 27, 1466-1478	4.4	19
159	The monoterpene (-)-carvone: a novel agonist of TRPV1 channels. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2013**, 83, 212-9	4.6	19
158	Methods of Mesenchymal Stem Cell Homing to the Blood-Brain Barrier. *Methods in Molecular Biology*, **2018**, 1842, 81-91	1.4	19
157	Variations of ATP and its metabolites in the hippocampus of rats subjected to pilocarpine-induced temporal lobe epilepsy. *Purinergic Signalling*, **2016**, 12, 295-302	3.8	18
156	Flow cytometry as a tool for analyzing changes in Plasmodium falciparum cell cycle following treatment with indol compounds. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2011**, 79, 959-64	4.6	18
155	Involvement of a Gardos-type potassium channel in head activator-induced mitosis of BON cells. *European Journal of Cell Biology*, **1998**, 76, 119-24	6.1	18
154	Dose/response curves of lipoic acid R-and S-forms in the working rat heart during reoxygenation: superiority of the R-enantiomer in enhancement of aortic flow. *Journal of Molecular and Cellular Cardiology*, **1995**, 27, 1895-903	5.8	18
153	ATP-Nlrp3 Inflammasome-Complement Cascade Axis in Sterile Brain Inflammation in Psychiatric Patients and its Impact on Stem Cell Trafficking. *Stem Cell Reviews and Reports*, **2019**, 15, 497-505	6.4	17
152	Pathophysiology in the comorbidity of Bipolar Disorder and Alzheimer's Disease: pharmacological and stem cell approaches. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 80, 34-53	5.5	17
151	The lipoic acid analogue 1,2-diselenolane-3-pentanoic acid protects human low density lipoprotein against oxidative modification mediated by copper ion. *Biochemical and Biophysical Research Communications*, **1997**, 240, 819-24	3.4	17
150	Purinergic signaling during Porphyromonas gingivalis infection. *Biomedical Journal*, **2016**, 39, 251-260	7.1	17
149	P2Y6 and P2X7 Receptor Antagonism Exerts Neuroprotective/ Neuroregenerative Effects in an Animal Model of Parkinson's Disease. *Frontiers in Cellular Neuroscience*, **2019**, 13, 476	6.1	17

148	Autism Spectrum Disorder: Signaling Pathways and Prospective Therapeutic Targets. *Cellular and Molecular Neurobiology*, **2021**, 41, 619-649	4.6	17
147	A Cyclic GMP-Dependent K+ Channel in the Blastocladiomycete Fungus Blastocladiella emersonii. *Eukaryotic Cell*, **2015**, 14, 958-63		16
146	The snake venom peptide Bj-PRO-7a is a M1 muscarinic acetylcholine receptor agonist. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2011**, 79, 77-83	4.6	16
145	Brain nitric oxide production by a proline-rich decapeptide from Bothrops jararaca venom improves baroreflex sensitivity of spontaneously hypertensive rats. *Hypertension Research*, **2010**, 33, 1283-8	4.7	15
144	Alpha 7 nicotinic acetylcholine receptor expression and activity during neuronal differentiation of PC12 pheochromocytoma cells. *Journal of Molecular Neuroscience*, **2010**, 41, 329-39	3.3	15
143	Effects of ATP and NGF on Proliferation and Migration of Neural Precursor Cells. *Neurochemical Research*, **2015**, 40, 1849-57	4.6	14
142	Bradykinin-induced inhibition of proliferation rate during neurosphere differentiation: consequence or cause of neuronal enrichment?. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2015**, 87, 929-35	4.6	14
141	Neuronal differentiation involves a shift from glucose oxidation to fermentation. *Journal of Bioenergetics and Biomembranes*, **2011**, 43, 531-9	3.7	14
140	Reversing the action of noncompetitive inhibitors (MK-801 and cocaine) on a protein (nicotinic acetylcholine receptor)-mediated reaction. *Biochemistry*, **2003**, 42, 6106-14	3.2	14
139	Ecto-5'-Nucleotidase Overexpression Reduces Tumor Growth in a Xenograph Medulloblastoma Model. *PLoS ONE*, **2015**, 10, e0140996	3.7	14
138	Pharmacological reversal of synaptic and network pathology in human MECP2-KO neurons and cortical organoids. *EMBO Molecular Medicine*, **2021**, 13, e12523	12	14
137	P2X receptors in maintenance and differentiation of neural progenitor cells. *Neural Regeneration Research*, **2014**, 9, 2040-1	4.5	14
136	Sugar boost: when ribose modifications improve oligonucleotide performance. *Current Opinion in Molecular Therapeutics*, **2008**, 10, 168-75		14
135	Spermidine improves the persistence of reconsolidated fear memory and neural differentiation in vitro: Involvement of BDNF. *Neurobiology of Learning and Memory*, **2017**, 140, 82-91	3.1	13
134	ATP and spontaneous calcium oscillations control neural stem cell fate determination in Huntington's disease: a novel approach for cell clock research. *Molecular Psychiatry*, **2021**, 26, 2633-2650	15.1	13
133	Studying complex system: calcium oscillations as attractor of cell differentiation. *Integrative Biology (United Kingdom)*, **2016**, 8, 130-48	3.7	13
132	Selection of 2'-fluoro-modified RNA aptamers for alleviation of cocaine and MK-801 inhibition of the nicotinic acetylcholine receptor. *Journal of Membrane Biology*, **2004**, 202, 137-49	2.3	13
131	RNA and DNA aptamers as potential tools to prevent cell adhesion in disease. *Brazilian Journal of Medical and Biological Research*, **2001**, 34, 295-300	2.8	13

130	Purinergic Receptors in Basal Ganglia Diseases: Shared Molecular Mechanisms between Huntington's and Parkinson's Disease. *Neuroscience Bulletin*, **2020**, 36, 1299-1314	4.3	13
129	Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signaling-an update. *Purinergic Signalling*, **2020**, 16, 153-166	3.8	12
128	Kinin-B2 receptor exerted neuroprotection after diisopropylfluorophosphate-induced neuronal damage. *Neuroscience*, **2013**, 247, 273-9	3.9	12
127	Neural differentiation of P19 carcinoma cells and primary neurospheres: cell morphology, proliferation, viability, and functionality. *Current Protocols in Stem Cell Biology*, **2012**, Chapter 2, Unit 2D.9	2.8	12
126	Mode of cembranoid action on embryonic muscle acetylcholine receptor. *Journal of Neuroscience Research*, **2008**, 86, 93-107	4.4	12
125	The use of synthetic oligonucleotides as protein inhibitors and anticode drugs in cancer therapy: accomplishments and limitations. *Current Cancer Drug Targets*, **2002**, 2, 355-68	2.8	12
124	Midbrain Dopaminergic Neurons Differentiated from Human-Induced Pluripotent Stem Cells. *Methods in Molecular Biology*, **2019**, 1919, 97-118	1.4	11
123	Glioblastoma stem-like cells: approaches for isolation and characterization. *Journal of Cancer Stem Cell Research*, **2014**, 1, 1		11
122	Enhancement of the citrulline-nitric oxide cycle in astroglioma cells by the proline-rich peptide-10c from Bothrops jararaca venom. *Brain Research*, **2010**, 1363, 11-9	3.7	11
121	A novel physiological property of snake bradykinin-potentiating peptides-reversion of MK-801 inhibition of nicotinic acetylcholine receptors. *Peptides*, **2008**, 29, 1708-15	3.8	11
120	Selective Secretase Targeting for Alzheimer's Disease Therapy. *Journal of Alzheimer's Disease*, **2021**, 81, 1-17	4.3	11
119	Resveratrol-mediated reversal of changes in purinergic signaling and immune response induced by Toxoplasma gondii infection of neural progenitor cells. *Purinergic Signalling*, **2019**, 15, 77-84	3.8	11
118	Stem cell contributions to neurological disease modeling and personalized medicine. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 80, 54-62	5.5	10
117	Interference of ursolic acid treatment with glioma growth: An in vitro and in vivo study. *European Journal of Pharmacology*, **2017**, 811, 268-275	5.3	10
116	Rescue of amyloid-Beta-induced inhibition of nicotinic acetylcholine receptors by a peptide homologous to the nicotine binding domain of the alpha 7 subtype. *PLoS ONE*, **2013**, 8, e67194	3.7	10
115	Water soluble RNA based antagonist of AMPA receptors. *Neuropharmacology*, **2007**, 53, 242-51	5.5	10
114	Head-activator induced mitosis of NH15-CA2 cells requires calcium influx and hyperpolarization. *Journal of Physiology (Paris)*, **1996**, 90, 85-94		10
113	Molecular Dynamics Reveals Complex Compensatory Effects of Ionic Strength on the Severe Acute Respiratory Syndrome Coronavirus 2 Spike/Human Angiotensin-Converting Enzyme 2 Interaction. *Journal of Physical Chemistry Letters*, **2020**, 11, 10446-10453	6.4	10

112	Berberine induces apoptosis in glioblastoma multiforme U87MG cells via oxidative stress and independent of AMPK activity. *Molecular Biology Reports*, **2020**, 47, 4393-4400	2.8	9
111	Aluminum affects neural phenotype determination of embryonic neural progenitor cells. *Archives of Toxicology*, **2019**, 93, 2515-2524	5.8	9
110	The use of inferior vena cava filter as a treatment modality for massive pulmonary embolism. A case series and review of pathophysiology. *Respiratory Medicine*, **2002**, 96, 984-9	4.6	9
109	The P2X7 Receptor in the Maintenance of Cancer Stem Cells, Chemoresistance and Metastasis. *Stem Cell Reviews and Reports*, **2020**, 16, 288-300	7.3	9
108	A novel decellularization method to produce brain scaffolds. *Tissue and Cell*, **2020**, 67, 101412	2.7	9
107	Cellular Migration Ability Is Modulated by Extracellular Purines in Ovarian Carcinoma SKOV-3 Cells. *Journal of Cellular Biochemistry*, **2017**, 118, 4468-4478	4.7	8
106	Be Aware of Aggregators in the Search for Potential Human -5'-Nucleotidase Inhibitors. *Molecules*, **2018**, 23,	4.8	8
105	Resveratrol as a Therapy to Restore Neurogliogenesis of Neural Progenitor Cells Infected by Toxoplasma gondii. *Molecular Neurobiology*, **2019**, 56, 2328-2338	6.2	8
104	Determining the Roles of Inositol Trisphosphate Receptors in Neurodegeneration: Interdisciplinary Perspectives on a Complex Topic. *Molecular Neurobiology*, **2017**, 54, 6870-6884	6.2	8
103	Interaction with calmodulin is important for the secretion of thimet oligopeptidase following stimulation. *FEBS Journal*, **2009**, 276, 4358-71	5.7	8
102	Enteric-formulated lactoferrin was more effectively transported into blood circulation from gastrointestinal tract in adult rats. *Experimental Physiology*, **2006**, 91, 1033-40	2.4	8
101	Hypertonic saline solution inhibits SARS-CoV-2 in vitro assay		8
100	P2Y14 Receptor as a Target for Neutrophilia Attenuation in Severe COVID-19 Cases: From Hematopoietic Stem Cell Recruitment and Chemotaxis to Thrombo-inflammation. *Stem Cell Reviews and Reports*, **2021**, 17, 241-252	7.3	8
99	Effects of resveratrol on the differentiation fate of neural progenitor cells of mouse embryos infected with Trypanosoma cruzi. *Microbial Pathogenesis*, **2019**, 132, 156-161	3.8	7
98	Intracellular Calcium Measurements for Functional Characterization of Neuronal Phenotypes. *Methods in Molecular Biology*, **2016**, 1341, 245-55	1.4	7
97	Kinins in Glioblastoma Microenvironment. *Cancer Microenvironment*, **2019**, 12, 77-94	6.1	7
96	Kinin-B1 and B2 receptor activity in proliferation and neural phenotype determination of mouse embryonic stem cells. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2015**, 87, 989-1000	4.6	7
95	Inhibition mechanism of rat □nicotinic acetylcholine receptor by the Alzheimer therapeutic tacrine. *Biochemistry*, **2011**, 50, 1763-70	3.2	7

94	The central nervous system as target for antihypertensive actions of a proline-rich peptide from Bothrops jararaca venom. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2010**, 77, 220-30	4.6	7
93	Virtual Screening Approach for the Identification of Hydroxamic Acids as Novel Human Ecto-5'-Nucleotidase Inhibitors. *Journal of Chemical Information and Modeling*, **2020**, 60, 621-630	6.1	7
92	Effects of single-dose antipurinergic therapy on behavioral and molecular alterations in the valproic acid-induced animal model of autism. *Neuropharmacology*, **2020**, 167, 107930	5.5	7
91	Mechanistic Insights of Astrocyte-Mediated Hyperactive Autophagy and Loss of Motor Neuron Function in SOD1 Linked Amyotrophic Lateral Sclerosis. *Molecular Neurobiology*, **2020**, 57, 4117-4133	6.2	7
90	Purinergic receptors in neurogenic processes. *Brain Research Bulletin*, **2019**, 151, 3-11	3.9	7
89	Kinin-B2 Receptor Activity in Skeletal Muscle Regeneration and Myoblast Differentiation. *Stem Cell Reviews and Reports*, **2019**, 15, 48-58	6.4	7
88	Post-thyroidectomy hypothyroidism increases the expression and activity of ectonucleotidases in platelets: Possible involvement of reactive oxygen species. *Platelets*, **2018**, 29, 801-810	3.6	7
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