# Henning Ulrich

List of Publications by Year
in descending order



| 269 | 8,871 | 53789 45 | 66906 78 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 281 | 281 | 281 | 14651 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973. | 2.9 | 766 |
| 2 | Guidelines for the use of flow cytometry and cell sorting in immunological studies<sup>*</sup>. European Journal of Immunology, 2017, 47, 1584-1797. | 2.9 | 505 |
| 3 | 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. | 3.8 | 349 |
| 4 | From purines to purinergic signalling: molecular functions and human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 162. | 17.1 | 171 |
| 5 | Calcium signaling and cell proliferation. Cellular Signalling, 2015, 27, 2139-2149. | 3.6 | 154 |
| 6 | 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. | 1.5 | 147 |
| 7 | 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, 20756-20762. | 3.4 | 136 |
| 8 | Regulation of Microglial Functions by Purinergic Mechanisms in the Healthy and Diseased CNS. Cells, 2020, 9, 1108. | 4.1 | 129 |
| 9 | Functions of neurotrophins and growth factors in neurogenesis and brain repair. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 76-89. | 1.5 | 125 |
| 10 | 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, 83A, 48-61. | 1.5 | 114 |
| 11 | Infection by Trypanosoma cruzi. Journal of Biological Chemistry, 2001, 276, 19382-19389. | 3.4 | 112 |
| 12 | Purinergic signaling in embryonic and stem cell development. Cellular and Molecular Life Sciences, 2011, 68, 1369-1394. | 5.4 | 108 |
| 13 | Neural stem cell differentiation into mature neurons: Mechanisms of regulation and biotechnological applications. Biotechnology Advances, 2018, 36, 1946-1970. | 11.7 | 106 |
| 14 | Phenotypes of stem cells from diverse origin. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 6-10. | 1.5 | 105 |
| 15 | Î±-Lipoic Acid Supplementation Prevents Symptoms of Vitamin E Deficiency. Biochemical and Biophysical Research Communications, 1994, 204, 98-104. | 2.1 | 104 |
| 16 | Hyperactivation of P2X7 receptors as a culprit of COVID-19 neuropathology. Molecular Psychiatry, 2021, 26, 1044-1059. | 7.9 | 104 |
| 17 | Purinergic system in psychiatric diseases. Molecular Psychiatry, 2018, 23, 94-106. | 7.9 | 101 |
| 18 | Purinergic system dysfunction in mood disorders: a key target for developing improved therapeutics. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 57, 117-131. | 4.8 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dengue Fever, <scp>COVID</scp>â€19 (<scp>SARSâ€CoV</scp>â€2), and <scp>Antibodyâ€Dependent</scp> Enhancement (<scp>ADE</scp>): A Perspective. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 662-667. | 1.5 | 89 |
| 20 | The P2X7 Receptor: Central Hub of Brain Diseases. Frontiers in Molecular Neuroscience, 2020, 13, 124. | 2.9 | 87 |
| 21 | Novel perspectives of neural stem cell differentiation: From neurotransmitters to therapeutics. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 38-53. | 1.5 | 86 |
| 22 | P2X7 Receptor Signaling in Stress and Depression. International Journal of Molecular Sciences, 2019, 20, 2778. | 4.1 | 84 |
| 23 | DNA and RNA Aptamers: From Tools for Basic Research Towards Therapeutic Applications. Combinatorial Chemistry and High Throughput Screening, 2006, 9, 619-632. | 1.1 | 82 |
| 24 | Modulation of Mouse Embryonic Stem Cell Proliferation and Neural Differentiation by the P2X7 Receptor. PLoS ONE, 2014, 9, e96281. | 2.5 | 82 |
| 25 | Nucleic acid aptamers as high affinity ligands in biotechnology and biosensorics. Journal of Pharmaceutical and Biomedical Analysis, 2013, 81-82, 210-217. | 2.8 | 77 |
| 26 | Alteration of purinergic P2X4 and P2X7 receptor expression in rats with temporal-lobe epilepsy induced by pilocarpine. Epilepsy Research, 2009, 83, 157-167. | 1.6 | 74 |
| 27 | Purinergic receptors in embryonic and adult neurogenesis. Neuropharmacology, 2016, 104, 272-281. | 4.1 | 74 |
| 28 | RNA and DNA aptamers in cytomics analysis. Cytometry, 2004, 59A, 220-231. | 1.8 | 72 |
| 29 | 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, 14051-14056. | 7.1 | 71 |
| 30 | Amino Acid Metabolic Routes in Trypanosoma cruzi: Possible Therapeutic Targets Against Chagas; Disease. Current Drug Targets Infectious Disorders, 2005, 5, 53-64. | 2.1 | 70 |
| 31 | Antiproliferative and apoptotic effects of caffeic acid on SK-Mel-28 human melanoma cancer cells. Molecular Biology Reports, 2019, 46, 2085-2092. | 2.3 | 70 |
| 32 | Interplay Between Exosomes, microRNAs and Toll-Like Receptors in Brain Disorders. Molecular Neurobiology, 2016, 53, 2016-2028. | 4.0 | 69 |
| 33 | Extrinsic Purinergic Regulation of Neural Stem/Progenitor Cells: Implications for CNS Development and Repair. Stem Cell Reviews and Reports, 2012, 8, 755-767. | 5.6 | 66 |
| 34 | P19 embryonal carcinoma cells as in vitro model for studying purinergic receptor expression and modulation of N-methyl-d-aspartateâ€“glutamate and acetylcholine receptors during neuronal differentiation. Neuroscience, 2007, 146, 1169-1181. | 2.3 | 64 |
| 35 | Diseaseâ€specific biomarker discovery by aptamers. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 727-733. | 1.5 | 64 |
| 36 | Perspectives of purinergic signaling in stem cell differentiation and tissue regeneration. Purinergic Signalling, 2012, 8, 523-537. | 2.2 | 60 |

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|---|---|---|---|
| 37 | Neuronal Differentiation of P19 Embryonal Carcinoma Cells Modulates Kinin B2 Receptor Gene Expression and Function. Journal of Biological Chemistry, 2005, 280, 19576-19586. | 3.4 | 58 |
| 38 | New insights into purinergic receptor signaling in neuronal differentiation, neuroprotection, and brain disorders. Purinergic Signalling, 2007, 3, 317-331. | 2.2 | 57 |
| 39 | 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, 13895-13900. | 7.1 | 53 |
| 40 | Pharmacological reversal of synaptic and network pathology in human MECP2 â€KO neurons and cortical organoids. EMBO Molecular Medicine, 2021, 13, e12523. | 6.9 | 53 |
| 41 | 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. | 5.3 | 52 |
| 42 | Conformational Effects in Biological Catalysis:â€‰ An Antibody-Catalyzed Oxy-Cope Rearrangement. Biochemistry, 2000, 39, 627-632. | 2.5 | 51 |
| 43 | Role of acetylcholine receptors in proliferation and differentiation of P19 embryonal carcinoma cells. Experimental Cell Research, 2008, 314, 1429-1443. | 2.6 | 51 |
| 44 | Neural differentiation of rat aorta pericyte cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 65-71. | 1.5 | 51 |
| 45 | Extracellular nucleotides as novel, underappreciated pro-metastatic factors that stimulate purinergic signaling in human lung cancer cells. Molecular Cancer, 2015, 14, 201. | 19.2 | 48 |
| 46 | 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, 151-159. | 2.8 | 47 |
| 47 | Kininâ€B2 receptor expression and activity during differentiation of embryonic rat neurospheres. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 361-368. | 1.5 | 46 |
| 48 | Neuronal adhesion, proliferation and differentiation of embryonic stem cells on hybrid scaffolds made of xanthan and magnetite nanoparticles. Biomedical Materials (Bristol), 2015, 10, 045002. | 3.3 | 46 |
| 49 | Mechanism of acetylcholine-induced calcium signaling during neuronal differentiation of P19 embryonal carcinoma cells in vitro. Cell Calcium, 2008, 43, 107-121. | 2.4 | 44 |
| 50 | Implications of purinergic receptor-mediated intracellular calcium transients in neural differentiation. Cell Communication and Signaling, 2013, 11, 12. | 6.5 | 44 |
| 51 | Magnetic hydrogels for levodopa release and cell stimulation triggered by external magnetic field. Colloids and Surfaces B: Biointerfaces, 2018, 167, 415-424. | 5.0 | 44 |
| 52 | Actions of octocoral and tobacco cembranoids on nicotinic receptors. Toxicon, 2009, 54, 1174-1182. | 1.6 | 43 |
| 53 | Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. Leukemia, 2018, 32, 1920-1931. | 7.2 | 43 |
| 54 | Peptide Blockers of the Inhibition of Neuronal Nicotinic Acetylcholine Receptors by Amyloid Î². Journal of Biological Chemistry, 2005, 280, 31085-31090. | 3.4 | 42 |

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|---|---|---|---|
| 55 | Purinergic Receptors in Neurological Diseases With Motor Symptoms: Targets for Therapy. Frontiers in Pharmacology, 2018, 9, 325. | 3.5 | 42 |
| 56 | Kinin and Purine Signaling Contributes to Neuroblastoma Metastasis. Frontiers in Pharmacology, 2018, 9, 500. | 3.5 | 42 |
| 57 | Calcium signalling: A common target in neurological disorders and neurogenesis. Seminars in Cell and Developmental Biology, 2019, 95, 25-33. | 5.0 | 42 |
| 58 | Recognition of biomarkers and cellâ€specific molecular signatures: Aptamers as capture agents. Journal of Separation Science, 2009, 32, 1523-1530. | 2.5 | 41 |
| 59 | Kinin-B2 Receptor Activity Determines the Differentiation Fate of Neural Stem Cells. Journal of Biological Chemistry, 2012, 287, 44046-44061. | 3.4 | 41 |
| 60 | Carvacrol promotes neuroprotection in the mouse hemiparkinsonian model. Neuroscience, 2017, 356, 176-181. | 2.3 | 41 |
| 61 | 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, 763-777. | 1.6 | 40 |
| 62 | Aptamer for imaging and therapeutic targeting of brain tumor glioblastoma. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 806-816. | 1.5 | 40 |
| 63 | 5-Aminolevulinate and 4, 5-dioxovalerate ions decrease GABAA receptor density in neuronal cells, synaptosomes and rat brain. Brain Research, 2006, 1093, 95-104. | 2.2 | 39 |
| 64 | 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. | 2.5 | 39 |
| 65 | Natural intracellular peptides can modulate the interactions of mouse brain proteins and thimet oligopeptidase with 14â€3â€3îµ and calmodulin. Proteomics, 2012, 12, 2641-2655. | 2.2 | 38 |
| 66 | P2Y6 and P2X7 Receptor Antagonism Exerts Neuroprotective/ Neuroregenerative Effects in an Animal Model of Parkinsonâ€™s Disease. Frontiers in Cellular Neuroscience, 2019, 13, 476. | 3.7 | 38 |
| 67 | Characterization of Ectonucleotidases in Human Medulloblastoma Cell Lines: ecto-5â€²NT/CD73 in Metastasis as Potential Prognostic Factor. PLoS ONE, 2012, 7, e47468. | 2.5 | 37 |
| 68 | Tumor necrosis factor reduces Plasmodium falciparum growth and activates calcium signaling in human malaria parasites. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1489-1497. | 2.4 | 37 |
| 69 | Spermine protects from LPS-induced memory deficit via BDNF and TrkB activation. Neurobiology of Learning and Memory, 2018, 149, 135-143. | 1.9 | 37 |
| 70 | Infection with Leishmania amazonensis upregulates purinergic receptor expression and induces host-cell susceptibility to UTP-mediated apoptosis. Cellular Microbiology, 2011, 13, 1410-1428. | 2.1 | 36 |
| 71 | Autism Spectrum Disorder: Signaling Pathways and Prospective Therapeutic Targets. Cellular and Molecular Neurobiology, 2021, 41, 619-649. | 3.3 | 36 |
| 72 | Cell Cycle Regulation During Neurogenesis in the Embryonic and Adult Brain. Stem Cell Reviews and Reports, 2013, 9, 794-805. | 5.6 | 34 |

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|---|---|---|---|
| 73 | Kinins and microglial responses in bipolar disorder: a neuroinflammation hypothesis. Biological Chemistry, 2016, 397, 283-296. | 2.5 | 34 |
| 74 | Aptamers: novelty tools for cancer biology. Oncotarget, 2018, 9, 26934-26953. | 1.8 | 34 |
| 75 | Concise Review: Molecular Cytogenetics and Quality Control: Clinical Guardians for Pluripotent Stem Cells. Stem Cells Translational Medicine, 2018, 7, 867-875. | 3.3 | 33 |
| 76 | 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. | 3.3 | 32 |
| 77 | Effect of lipoic acid on cyclophosphamide-induced diabetes and insulitis in non-obese diabetic mice. International Journal of Immunopharmacology, 1994, 16, 61-66. | 1.1 | 31 |
| 78 | Bj-PRO-5a, a natural angiotensin-converting enzyme inhibitor, promotes vasodilatation mediated by both bradykinin B2 and M1 muscarinic acetylcholine receptors. Biochemical Pharmacology, 2011, 81, 736-742. | 4.4 | 31 |
| 79 | Retinoic Acid-Treated Pluripotent Stem Cells Undergoing Neurogenesis Present Increased Aneuploidy and Micronuclei Formation. PLoS ONE, 2011, 6, e20667. | 2.5 | 31 |
| 80 | RNA Aptamers: From Basic Science Towards Therapy. , 2006, , 305-326. | | 30 |
| 81 | Aptamers: from bench side research towards patented molecules with therapeutic applications. Expert Opinion on Therapeutic Patents, 2009, 19, 1603-1613. | 5.0 | 30 |
| 82 | Interactions between the NO-Citrulline Cycle and Brain-derived Neurotrophic Factor in Differentiation of Neural Stem Cells. Journal of Biological Chemistry, 2012, 287, 29690-29701. | 3.4 | 30 |
| 83 | Proline rich-oligopeptides: Diverse mechanisms for antihypertensive action. Peptides, 2013, 48, 124-133. | 2.4 | 30 |
| 84 | Variations of ATP and its metabolites in the hippocampus of rats subjected to pilocarpine-induced temporal lobe epilepsy. Purinergic Signalling, 2016, 12, 295-302. | 2.2 | 30 |
| 85 | Novel Conducting and Biodegradable Copolymers with Noncytotoxic Properties toward Embryonic Stem Cells. ACS Omega, 2018, 3, 5593-5604. | 3.5 | 30 |
| 86 | The P2X7 Receptor in the Maintenance of Cancer Stem Cells, Chemoresistance and Metastasis. Stem Cell Reviews and Reports, 2020, 16, 288-300. | 3.8 | 30 |
| 87 | Genomic Physiology: Alternative splicing of P2X6 receptors in developing mouse brain and during in vitro neuronal differentiation. Experimental Physiology, 2007, 92, 139-145. | 2.0 | 29 |
| 88 | Bone marrow-derived mesenchymal stem cells versus adipose-derived mesenchymal stem cells for peripheral nerve regeneration. Neural Regeneration Research, 2018, 13, 100. | 3.0 | 29 |
| 89 | Kinin-B2 Receptor Mediated Neuroprotection after NMDA Excitotoxicity Is Reversed in the Presence of Kinin-B1 Receptor Agonists. PLoS ONE, 2012, 7, e30755. | 2.5 | 28 |
| 90 | Cancer Stem Cells or Tumor Survival Cells?. Stem Cells and Development, 2018, 27, 1466-1478. | 2.1 | 28 |

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| 91 | Selective Secretase Targeting for Alzheimerâ€™s Disease Therapy. Journal of Alzheimer's Disease, 2021, 81, 1-17. | 2.6 | 28 |
| 92 | Directed Differentiation of Neural Progenitors into Neurons Is Accompanied by Altered Expression of P2X Purinergic Receptors. Journal of Molecular Neuroscience, 2011, 44, 141-146. | 2.3 | 27 |
| 93 | Regulation of neurogenesis and gliogenesis of retinoic acidâ€induced P19 embryonal carcinoma cells by P2X2 and P2X7 receptors studied by RNA interference. International Journal of Developmental Neuroscience, 2012, 30, 91-97. | 1.6 | 27 |
| 94 | Methods of Mesenchymal Stem Cell Homing to the Bloodâ€“Brain Barrier. Methods in Molecular Biology, 2018, 1842, 81-91. | 0.9 | 27 |
| 95 | Neurobiology of glycine transporters: From molecules to behavior. Neuroscience and Biobehavioral Reviews, 2020, 118, 97-110. | 6.1 | 27 |
| 96 | Development of the anti-VEGF aptamer to a therapeutic agent for clinical ophthalmology. Clinical Ophthalmology, 2007, 1, 393-402. | 1.8 | 27 |
| 97 | 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, 79A, 959-964. | 1.5 | 26 |
| 98 | Aptamers: Novel Molecules as Diagnostic Markers in Bacterial and Viral Infections?. BioMed Research International, 2013, 2013, 1-7. | 1.9 | 26 |
| 99 | Bradykinin promotes neuron-generating division of neural progenitor cells via ERK activation. Journal of Cell Science, 2016, 129, 3437-48. | 2.0 | 26 |
| 100 | Inhibition Mechanism of the Recombinant Rat P2X2Receptor in Glial Cells by Suramin and TNP-ATPâ€. Biochemistry, 2006, 45, 224-233. | 2.5 | 25 |
| 101 | Roles of Kinins in the Nervous System. Cell Transplantation, 2015, 24, 613-623. | 2.5 | 24 |
| 102 | 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. | 4.8 | 24 |
| 103 | Purinergic Receptors in Basal Ganglia Diseases: Shared Molecular Mechanisms between Huntingtonâ€™s and Parkinsonâ€™s Disease. Neuroscience Bulletin, 2020, 36, 1299-1314. | 2.9 | 24 |
| 104 | ATP and spontaneous calcium oscillations control neural stem cell fate determination in Huntingtonâ€™s disease: a novel approach for cell clock research. Molecular Psychiatry, 2021, 26, 2633-2650. | 7.9 | 24 |
| 105 | Role of P2X7 Receptors in Immune Responses During Neurodegeneration. Frontiers in Cellular Neuroscience, 2021, 15, 662935. | 3.7 | 24 |
| 106 | Ecto-5â€™-Nucleotidase Overexpression Reduces Tumor Growth in a Xenograph Medulloblastoma Model. PLoS ONE, 2015, 10, e0140996. | 2.5 | 24 |
| 107 | Characterization of pressure-induced calcium response in neuronal cell lines. Cytometry, 2001, 43, 175-181. | 1.8 | 23 |
| 108 | Immunomodulation in Stem Cell Differentiation into Neurons and Brain Repair. Stem Cell Reviews and Reports, 2015, 11, 474-486. | 5.6 | 23 |

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| 109 | Glioblastomaâ€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, 365-375. | 1.5 | 23 |
| 110 | Purinergic signaling during Porphyromonas gingivalis infection. Biomedical Journal, 2016, 39, 251-260. | 3.1 | 23 |
| 111 | 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. | 5.6 | 23 |
| 112 | DNA and RNA Aptamers as Modulators of Protein Function. Medicinal Chemistry, 2005, 1, 199-208. | 1.5 | 23 |
| 113 | Alternative splicing of P2X6receptors in developing mouse brain and duringin vitroneuronal differentiation. Experimental Physiology, 2007, 92, 139-145. | 2.0 | 22 |
| 114 | The snake venom peptide Bjâ€PROâ€7a is a M1 muscarinic acetylcholine receptor agonist. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 77-83. | 1.5 | 22 |
| 115 | The monoterpene (â€“)â€carvone: A novel agonist of TRPV1 channels. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 212-219. | 1.5 | 22 |
| 116 | Purinergic receptors in neurogenic processes. Brain Research Bulletin, 2019, 151, 3-11. | 3.0 | 22 |
| 117 | Involvement of a Gardos-type potassium channel in head activator-induced mitosis of BON cells. European Journal of Cell Biology, 1998, 76, 119-124. | 3.6 | 21 |
| 118 | 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, 1895-1903. | 1.9 | 20 |
| 119 | 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. | 4.6 | 20 |
| 120 | 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, 819-824. | 2.1 | 19 |
| 121 | Alpha7 Nicotinic Acetylcholine Receptor Expression and Activity During Neuronal Differentiation of PC12 Pheochromocytoma Cells. Journal of Molecular Neuroscience, 2010, 41, 329-339. | 2.3 | 19 |
| 122 | Brain nitric oxide production by a proline-rich decapeptide from Bothrops jararaca venom improves baroreflex sensitivity of spontaneously hypertensive rats. Hypertension Research, 2010, 33, 1283-1288. | 2.7 | 19 |
| 123 | A Cyclic GMP-Dependent K <sup>+</sup> Channel in the Blastocladiomycete Fungus Blastocladiella emersonii. Eukaryotic Cell, 2015, 14, 958-963. | 3.4 | 19 |
| 124 | Studying complex system: calcium oscillations as attractor of cell differentiation. Integrative Biology (United Kingdom), 2016, 8, 130-148. | 1.3 | 19 |
| 125 | Midbrain Dopaminergic Neurons Differentiated from Human-Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2019, 1919, 97-118. | 0.9 | 18 |
| 126 | Effects of single-dose antipurinergic therapy on behavioral and molecular alterations in the valproic acid-induced animal model of autism. Neuropharmacology, 2020, 167, 107930. | 4.1 | 18 |

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|---|---|---|---|
| 127 | Berberine induces apoptosis in glioblastoma multiforme U87MG cells via oxidative stress and independent of AMPK activity. Molecular Biology Reports, 2020, 47, 4393-4400. | 2.3 | 18 |
| 128 | Innate immunity orchestrates the mobilization and homing of hematopoietic stem/progenitor cells by engaging purinergic signalingâ€"an update. Purinergic Signalling, 2020, 16, 153-166. | 2.2 | 18 |
| 129 | Effects of Magnetite Nanoparticles and Static Magnetic Field on Neural Differentiation of Pluripotent Stem Cells. Stem Cell Reviews and Reports, 2022, 18, 1337-1354. | 3.8 | 18 |
| 130 | P2Y14 Receptor as a Target for Neutrophilia Attenuation in Severe COVID-19 Cases: From Hematopoietic Stem Cell Recruitment and Chemotaxis to Thromboâ€inflammation. Stem Cell Reviews and Reports, 2021, 17, 241-252. | 3.8 | 17 |
| 131 | Inhibition of Severe Acute Respiratory Syndrome Coronavirus 2 Replication by Hypertonic Saline Solution in Lung and Kidney Epithelial Cells. ACS Pharmacology and Translational Science, 2021, 4, 1514-1527. | 4.9 | 17 |
| 132 | Selection of 2?-Fluoro-modified RNA Aptamers for Alleviation of Cocaine and MK-801Inhibition of the Nicotinic Acetylcholine Receptor. Journal of Membrane Biology, 2004, 202, 137-149. | 2.1 | 16 |
| 133 | Enhancement of the citrullineâ€"nitric oxide cycle in astroglioma cells by the proline-rich peptide-10c from Bothrops jararaca venom. Brain Research, 2010, 1363, 11-19. | 2.2 | 16 |
| 134 | Neural Differentiation of P19 Carcinoma Cells and Primary Neurospheres: Cell Morphology, Proliferation, Viability, and Functionality. Current Protocols in Stem Cell Biology, 2012, 20, Unit 2D.9. | 3.0 | 16 |
| 135 | Bradykininâ€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, 929-935. | 1.5 | 16 |
| 136 | Effects of ATP and NGF on Proliferation and Migration of Neural Precursor Cells. Neurochemical Research, 2015, 40, 1849-1857. | 3.3 | 16 |
| 137 | Cellular Migration Ability Is Modulated by Extracellular Purines in Ovarian Carcinoma SKOVâ€3 Cells. Journal of Cellular Biochemistry, 2017, 118, 4468-4478. | 2.6 | 16 |
| 138 | RNA and DNA aptamers as potential tools to prevent cell adhesion in disease. Brazilian Journal of Medical and Biological Research, 2001, 34, 295-300. | 1.5 | 15 |
| 139 | Reversing the Action of Noncompetitive Inhibitors (MK-801 and Cocaine) on a Protein (Nicotinic) Tj ETQq1 1 0.784314 rgBT /Overloc | 2.5 | 15 |
| 140 | Interference of ursolic acid treatment with glioma growth: An in vitro and in vivo study. European Journal of Pharmacology, 2017, 811, 268-275. | 3.5 | 15 |
| 141 | Stem cell contributions to neurological disease modeling and personalized medicine. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 54-62. | 4.8 | 15 |
| 142 | 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. | 2.2 | 15 |
| 143 | Virtual Screening Approach for the Identification of Hydroxamic Acids as Novel Human Ecto-5â€²-Nucleotidase Inhibitors. Journal of Chemical Information and Modeling, 2020, 60, 621-630. | 5.4 | 15 |
| 144 | P2Y2 receptor activation promotes esophageal cancer cells proliferation via ERK1/2 pathway. European Journal of Pharmacology, 2021, 891, 173687. | 3.5 | 15 |

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|---|---|---|---|
| 145 | Cancer Metabostemness and Metabolic Reprogramming via P2X7 Receptor. Cells, 2021, 10, 1782. | 4.1 | 15 |
| 146 | P2X receptors in maintenance and differentiation of neural progenitor cells. Neural Regeneration Research, 2014, 9, 2040. | 3.0 | 15 |
| 147 | A novel physiological property of snake bradykinin-potentiating peptidesâ€"Reversion of MK-801 inhibition of nicotinic acetylcholine receptors. Peptides, 2008, 29, 1708-1715. | 2.4 | 14 |
| 148 | Where new approaches can stem from: Focus on stem cell identification. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 1-3. | 1.5 | 14 |
| 149 | The central nervous system as target for antihypertensive actions of a prolineâ€rich peptide from Bothrops jararaca venom. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 220-230. | 1.5 | 14 |
| 150 | Neuronal differentiation involves a shift from glucose oxidation to fermentation. Journal of Bioenergetics and Biomembranes, 2011, 43, 531-539. | 2.3 | 14 |
| 151 | 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. | 1.9 | 14 |
| 152 | Determining the Roles of Inositol Trisphosphate Receptors in Neurodegeneration: Interdisciplinary Perspectives on a Complex Topic. Molecular Neurobiology, 2017, 54, 6870-6884. | 4.0 | 14 |
| 153 | A novel decellularization method to produce brain scaffolds. Tissue and Cell, 2020, 67, 101412. | 2.2 | 14 |
| 154 | Sugar boost: when ribose modifications improve oligonucleotide performance. Current Opinion in Molecular Therapeutics, 2008, 10, 168-75. | 2.8 | 14 |
| 155 | Severe Acute Respiratory Syndrome Coronavirus 2 Variants of Concern: A Perspective for Emerging More Transmissible and Vaccine-Resistant Strains. Viruses, 2022, 14, 827. | 3.3 | 14 |
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