

Donald W Miller

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,353
citations

257450

24
h-index

243625

44
g-index

59
all docs

59
docs citations

59
times ranked

3565
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | CEBP β regulation of endogenous IGF-1 in adult sensory neurons can be mobilized to overcome diabetes-induced deficits in bioenergetics and axonal outgrowth. Cellular and Molecular Life Sciences, 2022, 79, 193. | 5.4 | 10 |
| 2 | Magnetic Nanoparticles for Imaging, Diagnosis, and Drug-Delivery Applications. , 2022, , 98-129. | | 0 |
| 3 | Impact of Wnt/ β -catenin signaling on ethanol-induced changes in brain endothelial cell permeability. Journal of Neurochemistry, 2021, 157, 1118-1137. | 3.9 | 12 |
| 4 | Salinomycin-loaded injectable thermosensitive hydrogels for glioblastoma therapy. International Journal of Pharmaceutics, 2021, 598, 120316. | 5.2 | 21 |
| 5 | Use of amantadine in the evaluation of response to chemotherapy in lung cancer: a pilot study. Future Science OA, 2021, 7, FSO679. | 1.9 | 3 |
| 6 | Brain Metastasizing Breast Cancer Cell Secretome is Modulated by Endoplasmic Reticulum Stress. FASEB Journal, 2021, 35, . | 0.5 | 0 |
| 7 | Pharmacokinetics of a once-daily tacrolimus formulation in first nations and caucasian liver transplant recipients. Transplant International, 2021, 34, 2266-2273. | 1.6 | 1 |
| 8 | Salinomycin-Loaded Iron Oxide Nanoparticles for Glioblastoma Therapy. Nanomaterials, 2020, 10, 477. | 4.1 | 25 |
| 9 | Doxorubicin-loaded iron oxide nanoparticles for glioblastoma therapy: a combinational approach for enhanced delivery of nanoparticles. Scientific Reports, 2020, 10, 11292. | 3.3 | 160 |
| 10 | Validation of Cadherin HAV6 Peptide in the Transient Modulation of the Blood-Brain Barrier for the Treatment of Brain Tumors. Pharmaceutics, 2019, 11, 481. | 4.5 | 13 |
| 11 | Modulation of Wnt/ β -catenin signaling promotes blood-brain barrier phenotype in cultured brain endothelial cells. Scientific Reports, 2019, 9, 19718. | 3.3 | 69 |
| 12 | Oral Bioavailability of Creatine Supplements. , 2019, , 595-604. | | 0 |
| 13 | Effects of various dietary supplements on inflammatory processes in primary canine chondrocytes as a model of osteoarthritis. Canadian Journal of Veterinary Research, 2019, 83, 206-217. | 0.2 | 0 |
| 14 | Simple, Hackable, Size-Selective, Amine-Functionalized Fe-Oxide Nanoparticles for Biomedical Applications. Langmuir, 2018, 34, 2748-2757. | 3.5 | 11 |
| 15 | MBRS-50. PEROXIREDOXIN1 IS A THERAPEUTIC TARGET IN GROUP-3 MEDULLOBLASTOMA. Neuro-Oncology, 2018, 20, i139-i139. | 1.2 | 1 |
| 16 | Salinomycin-loaded Nanofibers for Glioblastoma Therapy. Scientific Reports, 2018, 8, 9377. | 3.3 | 39 |
| 17 | Absolute Oral Bioavailability of Creatine Monohydrate in Rats: Debunking a Myth. Pharmaceutics, 2018, 10, 31. | 4.5 | 12 |
| 18 | Poly(ADP-ribose) polymerase-1 regulates microglia mediated decrease of endothelial tight junction integrity. Neurochemistry International, 2017, 108, 266-271. | 3.8 | 38 |

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|----|--|------|-----------|
| 19 | Development of a direct contact astrocyte-human cerebral microvessel endothelial cells blood-brain barrier coculture model. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 1684-1696. | 2.4 | 48 |
| 20 | Improving Brain Delivery of Biomolecules via BBB Modulation in Mouse and Rat: Detection using MRI, NIRF, and Mass Spectrometry. <i>Nanotheranostics</i> , 2017, 1, 217-231. | 5.2 | 26 |
| 21 | Synthesis of Distinct Iron Oxide Nanomaterial Shapes Using Lyotropic Liquid Crystal Solvents. <i>Nanomaterials</i> , 2017, 7, 211. | 4.1 | 6 |
| 22 | Comparison of Linear and Cyclic His-Ala-Val Peptides in Modulating the Blood-Brain Barrier Permeability: Impact on Delivery of Molecules to the Brain. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 797-807. | 3.3 | 30 |
| 23 | Reduction in cardiolipin decreases mitochondrial spare respiratory capacity and increases glucose transport into and across human brain cerebral microvascular endothelial cells. <i>Journal of Neurochemistry</i> , 2016, 139, 68-80. | 3.9 | 19 |
| 24 | Differential internalization of brick shaped iron oxide nanoparticles by endothelial cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5913-5920. | 5.8 | 8 |
| 25 | Injectable hydrogel-based drug delivery systems for local cancer therapy. <i>Drug Discovery Today</i> , 2016, 21, 1835-1849. | 6.4 | 374 |
| 26 | Biodistribution of negatively charged iron oxide nanoparticles (IONPs) in mice and enhanced brain delivery using lysophosphatidic acid (LPA). <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1775-1784. | 3.3 | 31 |
| 27 | Generation of Bioactive Oxylipins from Exogenously Added Arachidonic, Eicosapentaenoic and Docosahexaenoic Acid in Primary Human Brain Microvessel Endothelial Cells. <i>Lipids</i> , 2016, 51, 591-599. | 1.7 | 39 |
| 28 | Modulation of Intercellular Junctions by Cyclic-ADT Peptides as a Method to Reversibly Increase Blood-Brain Barrier Permeability. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1065-1075. | 3.3 | 39 |
| 29 | Exogenous arachidonic acid mediates permeability of human brain microvessel endothelial cells through prostaglandin E ₂ activation of EP ₃ and EP ₄ receptors. <i>Journal of Neurochemistry</i> , 2015, 135, 867-879. | 3.9 | 23 |
| 30 | Liquid Crystal Elastomer Microspheres as Three-Dimensional Cell Scaffolds Supporting the Attachment and Proliferation of Myoblasts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14528-14535. | 8.0 | 53 |
| 31 | Knockdown of Cardiolipin Synthase in Human Brain Microvessel Endothelial Cells Modulates Blood Brain Barrier Transport Properties. <i>FASEB Journal</i> , 2015, 29, 715.27. | 0.5 | 0 |
| 32 | Exogenous Arachidonic Acid Mediates Permeability of Human Brain Microvessel Endothelial Cells through Prostaglandin E ₂ Activation of EP ₃ and EP ₄ Receptors. <i>FASEB Journal</i> , 2015, 29, 715.32. | 0.5 | 0 |
| 33 | Magnetic field enhanced convective diffusion of iron oxide nanoparticles in an osmotically disrupted cell culture model of the blood-brain barrier. <i>International Journal of Nanomedicine</i> , 2014, 9, 3013. | 6.7 | 53 |
| 34 | Evaluation of percutaneous permeation of repellent DEET and sunscreen oxybenzone from emulsion-based formulations in artificial membrane and human skin. <i>Acta Pharmaceutica Sinica B</i> , 2014, 4, 43-51. | 12.0 | 9 |
| 35 | Modulation of Blood-Brain Barrier Permeability in Mice Using Synthetic E-Cadherin Peptide. <i>Molecular Pharmaceutics</i> , 2014, 11, 974-981. | 4.6 | 42 |
| 36 | Transporter-Based Delivery of Anticancer Drugs to the Brain: Improving Brain Penetration by Minimizing Drug Efflux at the Blood-Brain Barrier. <i>Current Pharmaceutical Design</i> , 2014, 20, 1499-1509. | 1.9 | 36 |

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|----|---|------|-----------|
| 37 | Examination of blood-brain barrier (BBB) integrity in a mouse brain tumor model. <i>Journal of Neuro-Oncology</i> , 2013, 111, 133-143. | 2.9 | 46 |
| 38 | Rapid and Reversible Enhancement of Blood-Brain Barrier Permeability Using Lysophosphatidic Acid. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1944-1954. | 4.3 | 54 |
| 39 | A general synthesis of metal (Mn, Fe, Co, Ni, Cu, Zn) oxide and silica nanoparticles based on a low temperature reduction/hydrolysis pathway. <i>RSC Advances</i> , 2013, 3, 23722. | 3.6 | 12 |
| 40 | One-Pot Synthesis of Iron Oxide Nanoparticles with Functional Silane Shells: A Versatile General Precursor for Conjugations and Biomedical Applications. <i>Langmuir</i> , 2013, 29, 10850-10858. | 3.5 | 39 |
| 41 | Characterization of cellular uptake and toxicity of aminosilane-coated iron oxide nanoparticles with different charges in central nervous system-relevant cell culture models. <i>International Journal of Nanomedicine</i> , 2013, 8, 961. | 6.7 | 80 |
| 42 | pH-Dependent Stability of Creatine Ethyl Ester: Relevance to Oral Absorption. <i>Journal of Dietary Supplements</i> , 2013, 10, 241-251. | 2.6 | 11 |
| 43 | Arachidonic acid increases permeability of HBMEC monolayers via increased production of prostaglandin E2. <i>FASEB Journal</i> , 2013, 27, 814.1. | 0.5 | 0 |
| 44 | Cadherin peptide-induced enhancement of blood brain barrier (BBB) permeability. <i>FASEB Journal</i> , 2013, 27, 668.3. | 0.5 | 0 |
| 45 | Evaluation and Optimization of Capillary Zone Electrophoresis for Common Drugs of Forensic Interest in Aqueous Matrix. <i>Journal of the Canadian Society of Forensic Science</i> , 2012, 45, 167-175. | 0.9 | 0 |
| 46 | Assessment of P-glycoprotein Activity in the Blood-Brain Barrier (BBB) Using Near Infrared Fluorescence (NIRF) Imaging Techniques. <i>Pharmaceutical Research</i> , 2011, 28, 2505-2515. | 3.5 | 19 |
| 47 | A Versatile Method for the Reductive, One-Pot Synthesis of Bare, Hydrophilic and Hydrophobic Magnetite Nanoparticles. <i>Advanced Functional Materials</i> , 2011, 21, 1457-1464. | 14.9 | 55 |
| 48 | Magnetic Nanoparticles: A Versatile Method for the Reductive, One-Pot Synthesis of Bare, Hydrophilic and Hydrophobic Magnetite Nanoparticles (<i>Adv. Funct. Mater.</i> 8/2011). <i>Advanced Functional Materials</i> , 2011, 21, 1456-1456. | 14.9 | 0 |
| 49 | Evaluation of drug efflux transporter liabilities of darifenacin in cell culture models of the blood-brain and blood-ocular barriers. <i>Neurourology and Urodynamics</i> , 2011, 30, 1633-1638. | 1.5 | 15 |
| 50 | Physicochemical Characterization of Creatine-N-Methylguanidinium Salts. <i>Journal of Dietary Supplements</i> , 2010, 7, 240-252. | 2.6 | 17 |
| 51 | Protective effect of sphingosine 1-phosphate (S1P) in the cerebral microvasculature. <i>FASEB Journal</i> , 2008, 22, 913.2. | 0.5 | 0 |
| 52 | Ethanol-Induced Activation of Myosin Light Chain Kinase Leads to Dysfunction of Tight Junctions and Blood-Brain Barrier Compromise. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 999-1009. | 2.4 | 146 |
| 53 | Plasma Membrane Localization of Multidrug Resistance-Associated Protein Homologs in Brain Capillary Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 449-455. | 2.5 | 168 |
| 54 | Pluronic® block copolymers as modulators of drug efflux transporter activity in the blood-brain barrier. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 151-164. | 13.7 | 296 |

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|----|--|-----|-----------|
| 55 | Evaluation of Creatine Transport Using Caco-2 Monolayers as an In Vitro Model for Intestinal Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1593-1598. | 3.3 | 18 |
| 56 | Use of rhodamine 123 to examine the functional activity of P-glycoprotein in primary cultured brain microvessel endothelial cell monolayers. <i>Life Sciences</i> , 1996, 59, 1521-1531. | 4.3 | 121 |