

Christopher A Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

4,828
citations

159358

30
h-index

98622

67
g-index

70
all docs

70
docs citations

70
times ranked

7022
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644. | 0.8 | 4 |
| 2 | Intramuscular injection of Botox causes tendon atrophy by induction of senescence of tendon-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2021, 12, 38. | 2.4 | 10 |
| 3 | Reduction of mechanical loading in tendons induces heterotopic ossification and activation of the β -catenin signaling pathway. <i>Journal of Orthopaedic Translation</i> , 2021, 29, 42-50. | 1.9 | 6 |
| 4 | Phthalate diversity in eggs and associations with oxidative stress in the European herring gull (<i>Larus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T f</i> | 2.3 | 5 |
| 5 | A bio-inductive collagen scaffold that supports human primary tendon-derived cell growth for rotator cuff repair. <i>Journal of Orthopaedic Translation</i> , 2021, 31, 91-101. | 1.9 | 6 |
| 6 | Biogeography of arbuscular mycorrhizal fungal spore traits along an aridity gradient, and responses to experimental rainfall manipulation. <i>Fungal Ecology</i> , 2020, 46, 100899. | 0.7 | 23 |
| 7 | Bioactive glass scaffold architectures regulate patterning of bone regeneration in vivo. <i>Applied Materials Today</i> , 2020, 20, 100770. | 2.3 | 16 |
| 8 | Electrospinning 3D bioactive glasses for wound healing. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015014. | 1.7 | 30 |
| 9 | Sexual selection and population divergence III: Interspecific and intraspecific variation in mating signals. <i>Journal of Evolutionary Biology</i> , 2020, 33, 990-1005. | 0.8 | 11 |
| 10 | Ingestion and Absorption of Eucalypt Monoterpenes in the Specialist Feeder, the Koala (<i>Phascolarctos</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T f</i> | 0.9 | 4 |
| 11 | Invasion reproductive numbers for periodic epidemic models. <i>Infectious Disease Modelling</i> , 2019, 4, 124-141. | 1.2 | 9 |
| 12 | Behavioural mechanisms of sexual isolation involving multiple modalities and their inheritance. <i>Journal of Evolutionary Biology</i> , 2019, 32, 243-258. | 0.8 | 10 |
| 13 | The Koala (<i>Phascolarctos cinereus</i>) faecal microbiome differs with diet in a wild population. <i>PeerJ</i> , 2019, 7, e6534. | 0.9 | 46 |
| 14 | Can somatic GATA2 mutation mimic germ line GATA2 mutation?. <i>Blood Advances</i> , 2018, 2, 904-908. | 2.5 | 15 |
| 15 | Enhanced cutaneous wound healing in rats following topical delivery of insulin-loaded nanoparticles embedded in poly(vinyl alcohol)-borate hydrogels. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1053-1065. | 3.0 | 41 |
| 16 | Intention insertion: Activating an action's perceptual consequences is sufficient to induce non-willed motor behavior.. <i>Journal of Experimental Psychology: General</i> , 2018, 147, 1256-1263. | 1.5 | 12 |
| 17 | Adjuvant Antibiotic Activity of Acidic Sophorolipids with Potential for Facilitating Wound Healing. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 1.4 | 76 |
| 18 | Highly degradable porous melt-derived bioactive glass foam scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2017, 57, 449-461. | 4.1 | 84 |

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|----|--|-----|-----------|
| 19 | A Comparison of Methods for Calculating the Basic Reproductive Number for Periodic Epidemic Systems. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 1846-1869. | 0.9 | 28 |
| 20 | Antibacterial properties of sophorolipid-modified gold surfaces against Gram positive and Gram negative pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 325-334. | 2.5 | 42 |
| 21 | Atomic Layer Deposition of a Silver Nanolayer on Advanced Titanium Orthopedic Implants Inhibits Bacterial Colonization and Supports Vascularized de Novo Bone Ingrowth. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700033. | 3.9 | 35 |
| 22 | Development of a Cradle-to-Grave Approach for Acetylated Acidic Sophorolipid Biosurfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1186-1198. | 3.2 | 69 |
| 23 | Microvascular ultrastructural changes precede cognitive impairment in the murine APP ^{swe} /PS1 ^{dE9} model of Alzheimer's disease. <i>Angiogenesis</i> , 2017, 20, 567-580. | 3.7 | 40 |
| 24 | Biotransformation of Silver Released from Nanoparticle Coated Titanium Implants Revealed in Regenerating Bone. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21169-21180. | 4.0 | 39 |
| 25 | A correlative imaging based methodology for accurate quantitative assessment of bone formation in additive manufactured implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 112. | 1.7 | 15 |
| 26 | Lactonic Sophorolipids Increase Tumor Burden in Apc ^{min} ± Mice. <i>PLoS ONE</i> , 2016, 11, e0156845. | 1.1 | 33 |
| 27 | Maternal effects and maternal selection arising from variation in allocation of free amino acid to eggs. <i>Ecology and Evolution</i> , 2015, 5, 2397-2410. | 0.8 | 8 |
| 28 | Rival male chemical cues evoke changes in male pre- and post-copulatory investment in a flour beetle. <i>Behavioral Ecology</i> , 2015, 26, 1021-1029. | 1.0 | 23 |
| 29 | Host switching vs. host sharing in overlapping sylvatic <i>Trypanosoma cruzi</i> transmission cycles. <i>Journal of Biological Dynamics</i> , 2015, 9, 247-277. | 0.8 | 9 |
| 30 | 2014 Fort Hood, Texas, mass casualty incident: reviews and perspectives. <i>Current Reviews in Musculoskeletal Medicine</i> , 2015, 8, 298-303. | 1.3 | 3 |
| 31 | Restoration of Cerebral and Systemic Microvascular Architecture in APP/PS1 Transgenic Mice Following Treatment with Liraglutide. <i>Microcirculation</i> , 2015, 22, 133-145. | 1.0 | 40 |
| 32 | Evaluation of Karl Storz CMAC Tip™ Device Versus Traditional Airway Suction in a Cadaver Model. <i>Western Journal of Emergency Medicine</i> , 2014, 15, 548-553. | 0.6 | 4 |
| 33 | Cuticular hydrocarbons as a basis for chemosensory self-referencing in crickets: a potentially universal mechanism facilitating polyandry in insects. <i>Ecology Letters</i> , 2013, 16, 346-353. | 3.0 | 49 |
| 34 | Bioactive Glass Foam Scaffolds are Remodelled by Osteoclasts and Support the Formation of Mineralized Matrix and Vascular Networks In Vitro. <i>Advanced Healthcare Materials</i> , 2013, 2, 490-499. | 3.9 | 50 |
| 35 | Preconditioned 70S30C bioactive glass foams promote osteogenesis in vivo. <i>Acta Biomaterialia</i> , 2013, 9, 9169-9182. | 4.1 | 116 |
| 36 | Androgen deprivation results in time-dependent hypoxia in LNCaP prostate tumours: Informed scheduling of the bioreductive drug AQ4N improves treatment response. <i>International Journal of Cancer</i> , 2013, 132, 1323-1332. | 2.3 | 36 |

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|----|--|-----|-----------|
| 37 | Chemical egg defence in the large milkweed bug, <i>Oncopeltus fasciatus</i> , derives from maternal but not paternal diet. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 149, 197-205. | 0.7 | 14 |
| 38 | Sexual selection on cuticular hydrocarbons of male sagebrush crickets in the wild. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20132353. | 1.2 | 48 |
| 39 | Biting off more than you can chew: sexual selection on the free amino acid composition of the spermatophylax in decorated crickets. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2531-2538. | 1.2 | 22 |
| 40 | The Genetics of Cuticular Hydrocarbon Profiles in the Fruit Fly <i>Drosophila simulans</i> . <i>Journal of Heredity</i> , 2012, 103, 230-239. | 1.0 | 24 |
| 41 | A Hybrid Discrete-Continuum Mathematical Model of Pattern Prediction in the Developing Retinal Vasculature. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 2272-2314. | 0.9 | 44 |
| 42 | Dynamics of angiogenesis during murine retinal development: a coupled <i>in vivo</i> and <i>in silico</i> study. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2351-2364. | 1.5 | 36 |
| 43 | Dynamics of Angiogenesis During Wound Healing: A Coupled <i>In Vivo</i> and <i>In Silico</i> Study. <i>Microcirculation</i> , 2011, 18, 183-197. | 1.0 | 50 |
| 44 | Temporal changes in microvessel leakiness during wound healing discriminated by <i>in vivo</i> fluorescence recovery after photobleaching. <i>Journal of Physiology</i> , 2011, 589, 4681-4696. | 1.3 | 15 |
| 45 | A Continuum Mathematical Model of the Developing Murine Retinal Vasculature. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 2430-2451. | 0.9 | 32 |
| 46 | Thrombophilic-Type Placental Pathologies and Skeletal Growth Delay Following Maternal Administration of Angiostatin4.5 in Mice. <i>Biology of Reproduction</i> , 2011, 84, 505-513. | 1.2 | 4 |
| 47 | Synchrotron X-ray microtomography for assessment of bone tissue scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 847-853. | 1.7 | 39 |
| 48 | Quantitation of Microcomputed Tomography-Imaged Ocular Microvasculature. <i>Microcirculation</i> , 2010, 17, 59-68. | 1.0 | 15 |
| 49 | Maternal administration of anti-angiogenic agents, TNP-470 and Angiostatin4.5, induces fetal microphthalmia. <i>Molecular Vision</i> , 2009, 15, 1260-9. | 1.1 | 10 |
| 50 | Experimental and theoretical modelling of blind-ended vessels within a developing angiogenic plexus. <i>Microvascular Research</i> , 2008, 76, 161-168. | 1.1 | 17 |
| 51 | ESTIMATING LEUKOCYTE VELOCITIES FROM HIGH-SPEED 1D LINE SCANS ORIENTED ORTHOGONAL TO BLOOD FLOW., . | | 1 |
| 52 | Microphthalmia, persistent hyperplastic hyaloid vasculature and lens anomalies following overexpression of VEGF-A188 from the alphaA-crystallin promoter. <i>Molecular Vision</i> , 2007, 13, 47-56. | 1.1 | 36 |
| 53 | Unique vascular phenotypes following over-expression of individual VEGFA isoforms from the developing lens. <i>Angiogenesis</i> , 2006, 9, 209-224. | 3.7 | 30 |
| 54 | Induction of Intrauterine Growth Restriction by Reducing Placental Vascular Growth with the Angioinhibin TNP-470. <i>Biology of Reproduction</i> , 2005, 73, 1164-1173. | 1.2 | 36 |

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|----|---|-----|-----------|
| 55 | Stereological Investigation of Placental Morphology in Pregnancies Complicated by Pre-eclampsia with and without Intrauterine Growth Restriction. <i>Placenta</i> , 2003, 24, 219-226. | 0.7 | 239 |
| 56 | VEGF guides angiogenic sprouting utilizing endothelial tip cell filopodia. <i>Journal of Cell Biology</i> , 2003, 161, 1163-1177. | 2.3 | 2,483 |
| 57 | Angiostatin(4.5)-mediated apoptosis of vascular endothelial cells. <i>Cancer Research</i> , 2003, 63, 4275-80. | 0.4 | 36 |
| 58 | Assessment of endothelial cell proliferation in primary breast carcinoma and its association with axillary lymph node status. <i>Breast</i> , 2000, 9, 28-34. | 0.9 | 6 |
| 59 | Regression of vessels in the tunica vasculosa lentis is initiated by coordinated endothelial apoptosis: A role for vascular endothelial growth factor as a survival factor for endothelium. , 1998, 213, 322-333. | | 103 |
| 60 | Regulation of endothelial monocyte-activating polypeptide II release by apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12322-12327. | 3.3 | 151 |
| 61 | In Vitro Assessment of the Biological Activity of Basic Fibroblast Growth Factor Released from Various Polymers and Biomatrices. <i>Journal of Biomaterials Applications</i> , 1997, 12, 31-56. | 1.2 | 14 |
| 62 | Enhancement of Neovascularization in Regenerating Skeletal Muscle by the Sustained Release of Erucamide from a Polymer Matrix. <i>Journal of Biomaterials Applications</i> , 1996, 10, 230-249. | 1.2 | 27 |
| 63 | The Exogenous Administration of Basic Fibroblast Growth Factor to Regenerating Skeletal Muscle in Mice Does Not Enhance the Process of Regeneration. <i>Growth Factors</i> , 1996, 13, 37-55. | 0.5 | 65 |
| 64 | The genotype of bone marrow-derived inflammatory cells does not account for differences in skeletal muscle regeneration between SJL/J and BALB/c mice. <i>Cell and Tissue Research</i> , 1995, 280, 407-413. | 1.5 | 20 |
| 65 | Association of an unusual form of a Pax7-like gene with increased efficiency of skeletal muscle regeneration. <i>Gene</i> , 1995, 163, 171-177. | 1.0 | 19 |
| 66 | The genotype of bone marrow-derived inflammatory cells does not account for differences in skeletal muscle regeneration between SJL/J and BALB/c mice. <i>Cell and Tissue Research</i> , 1995, 280, 407-413. | 1.5 | 3 |
| 67 | Evidence for adenine methylation within the mouse myogenic gene Myo-D1. <i>Gene</i> , 1994, 151, 89-95. | 1.0 | 28 |
| 68 | Studies on the evolution and function of different forms of the mouse myogenic gene Myo-D1 and upstream flanking region. <i>Gene</i> , 1993, 124, 215-222. | 1.0 | 15 |
| 69 | Cellular differences in the regeneration of murine skeletal muscle: a quantitative histological study in SJL/J and BALB/c mice. <i>Cell and Tissue Research</i> , 1992, 269, 159-166. | 1.5 | 95 |
| 70 | Blood Vessels Under the Microscope. <i>Frontiers for Young Minds</i> , 0, 7, . | 0.8 | 4 |