

# Christopher A Mitchell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4513007/publications.pdf>

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	VEGF guides angiogenic sprouting utilizing endothelial tip cell filopodia. <i>Journal of Cell Biology</i> , 2003, 161, 1163-1177.	2.3	2,483
2	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
3	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
4	Preconditioned 70S30C bioactive glass foams promote osteogenesis in vivo. <i>Acta Biomaterialia</i> , 2013, 9, 9169-9182.	4.1	116
5	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
6	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
7	Highly degradable porous melt-derived bioactive glass foam scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2017, 57, 449-461.	4.1	84
8	Adjuvant Antibiotic Activity of Acidic Sophorolipids with Potential for Facilitating Wound Healing. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	76
9	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
10	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
11	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
12	Bioactive Glass Foam Scaffolds are Remodelled by Osteoclasts and Support the Formation of Mineralized Matrix and Vascular Networks <i>In Vitro</i> . <i>Advanced Healthcare Materials</i> , 2013, 2, 490-499.	3.9	50
13	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
14	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
15	The Koala ( <i>Phascolarctos cinereus</i> ) faecal microbiome differs with diet in a wild population. <i>PeerJ</i> , 2019, 7, e6534.	0.9	46
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Microvascular ultrastructural changes precede cognitive impairment in the murine APP <sup>swe</sup> /PS1 <sup>dE9</sup> model of Alzheimer's disease. <i>Angiogenesis</i> , 2017, 20, 567-580.	3.7	40
21	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
22	Biotransformation of Silver Released from Nanoparticle Coated Titanium Implants Revealed in Regenerating Bone. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21169-21180.	4.0	39
23	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
24	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
25	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
26	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
27	Angiostatin(4.5)-mediated apoptosis of vascular endothelial cells. <i>Cancer Research</i> , 2003, 63, 4275-80.	0.4	36
28	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
29	Lactonic Sophorolipids Increase Tumor Burden in Apc <sup>min</sup> ± Mice. <i>PLoS ONE</i> , 2016, 11, e0156845.	1.1	33
30	A Continuum Mathematical Model of the Developing Murine Retinal Vasculature. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 2430-2451.	0.9	32
31	Unique vascular phenotypes following over-expression of individual VEGFA isoforms from the developing lens. <i>Angiogenesis</i> , 2006, 9, 209-224.	3.7	30
32	Electrospinning 3D bioactive glasses for wound healing. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015014.	1.7	30
33	Evidence for adenine methylation within the mouse myogenic gene Myo-D1. <i>Gene</i> , 1994, 151, 89-95.	1.0	28
34	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
35	Enhancement of Neovascularization in Regenerating Skeletal Muscle by the Sustained Release of Eruamide from a Polymer Matrix. <i>Journal of Biomaterials Applications</i> , 1996, 10, 230-249.	1.2	27
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
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 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
41	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
42	Experimental and theoretical modelling of blind-ended vessels within a developing angiogenic plexus. <i>Microvascular Research</i> , 2008, 76, 161-168.	1.1	17
43	Bioactive glass scaffold architectures regulate patterning of bone regeneration in vivo. <i>Applied Materials Today</i> , 2020, 20, 100770.	2.3	16
44	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
45	Quantitation of Microcomputed Tomography-Imaged Ocular Microvasculature. <i>Microcirculation</i> , 2010, 17, 59-68.	1.0	15
46	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
47	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
48	Can somatic GATA2 mutation mimic germ line GATA2 mutation?. <i>Blood Advances</i> , 2018, 2, 904-908.	2.5	15
49	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
50	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
51	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
52	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
53	Behavioural mechanisms of sexual isolation involving multiple modalities and their inheritance. <i>Journal of Evolutionary Biology</i> , 2019, 32, 243-258.	0.8	10
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Invasion reproductive numbers for periodic epidemic models. <i>Infectious Disease Modelling</i> , 2019, 4, 124-141.	1.2	9
58	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
59	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
60	Reduction of mechanical loading in tendons induces heterotopic ossification and activation of the $\beta$ -catenin signaling pathway. <i>Journal of Orthopaedic Translation</i> , 2021, 29, 42-50.	1.9	6
61	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
62	Phthalate diversity in eggs and associations with oxidative stress in the European herring gull ( <i>Larus</i> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.3	5
63	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
64	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
65	Ingestion and Absorption of Eucalypt Monoterpenes in the Specialist Feeder, the Koala ( <i>Phascolarctos</i> ) Tj ETQq1 1 0,784314 rBT /Over	0,9	4
66	Blood Vessels Under the Microscope. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	4
67	Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644.	0.8	4
68	2014 Fort Hood, Texas, mass casualty incident: reviews and perspectives. <i>Current Reviews in Musculoskeletal Medicine</i> , 2015, 8, 298-303.	1.3	3
69	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
70	ESTIMATING LEUKOCYTE VELOCITIES FROM HIGH-SPEED 1D LINE SCANS ORIENTED ORTHOGONAL TO BLOOD FLOW. , 2007, , .		1