

Mark D Ungrin

List of Publications by Year in descending order

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38
papers

2,200
citations

394421

19
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

3100
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique metabolic phenotype and its transition during maturation of juvenile male germ cells. <i>FASEB Journal</i> , 2021, 35, e21513.	0.5	19
2	Development of and Validity Evidence for a Canine Ocular Model for Training Novice Veterinary Students to Perform a Fundic Examination. <i>Journal of Veterinary Medical Education</i> , 2021, 48, 620-628.	0.6	2
3	Scaffold-Free Retinal Pigment Epithelium Microtissues Exhibit Increased Release of PEDF. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11317.	4.1	4
4	Feasibility of three-dimensional facial imaging and printing for producing customised nasal masks for continuous positive airway pressure. <i>ERJ Open Research</i> , 2021, 7, 00632-2020.	2.6	4
5	The Proliferation of Pre-Pubertal Porcine Spermatogonia in Stirred Suspension Bioreactors Is Partially Mediated by the Wnt/ β 2-Catenin Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13549.	4.1	3
6	In Vitro Maturation of Retinal Pigment Epithelium Is Essential for Maintaining High Expression of Key Functional Genes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6066.	4.1	13
7	Automated Hypothesis Generation to Identify Signals Relevant in the Development of Mammalian Cell and Tissue Bioprocesses, With Validation in a Retinal Culture System. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 534.	4.1	1
8	Is Use of BMP-2 Associated with Tumor Growth and Osteoblastic Differentiation in Murine Models of Osteosarcoma?. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 2921-2933.	1.5	8
9	Stirred Suspension Bioreactor Culture of Porcine Induced Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 1264-1275.	2.1	13
10	Generation of Porcine Testicular Organoids with Testis Specific Architecture using Microwell Culture. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	17
11	Formation of organotypic testicular organoids in microwell culture. <i>Biology of Reproduction</i> , 2019, 100, 1648-1660.	2.7	74
12	Serum-Free Culture of Human Mesenchymal Stem Cell Aggregates in Suspension Bioreactors for Tissue Engineering Applications. <i>Stem Cells International</i> , 2019, 2019, 1-18.	2.5	20
13	Bioprocessing of Mesenchymal Stem Cells and Their Derivatives: Toward Cell-Free Therapeutics. <i>Stem Cells International</i> , 2018, 2018, 1-23.	2.5	119
14	Oxygenation in cell culture: Critical parameters for reproducibility are routinely not reported. <i>PLoS ONE</i> , 2018, 13, e0204269.	2.5	97
15	Bioengineered human pseudoislets form efficiently from donated tissue, compare favourably with native islets in vitro and restore normoglycaemia in mice. <i>Diabetologia</i> , 2018, 61, 2016-2029.	6.3	47
16	Climbing the mountain: experimental design for the efficient optimization of stem cell bioprocessing. <i>Journal of Biological Engineering</i> , 2017, 11, 35.	4.7	20
17	A Simple and Low-Cost Monitoring System to Investigate Environmental Conditions in a Biological Research Laboratory. <i>PLoS ONE</i> , 2016, 11, e0147140.	2.5	12
18	Aggregate Size Optimization in Microwells for Suspension-based Cardiac Differentiation of Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	7

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19	The microwell-mesh: A novel device and protocol for the high throughput manufacturing of cartilage microtissues. <i>Biomaterials</i> , 2015, 62, 1-12.	11.4	69
20	Human islet function following 20 years of cryogenic biobanking. <i>Diabetologia</i> , 2015, 58, 1503-1512.	6.3	39
21	Optimizing methods to generate tissue engineered cartilage constructs under serum free conditions in suspension culture. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A415-A416.	1.3	0
22	Scalable Cardiac Differentiation of Human Pluripotent Stem Cells as Microwell-Generated, Size Controlled Three-Dimensional Aggregates. <i>Methods in Molecular Biology</i> , 2014, 1181, 15-25.	0.9	3
23	Production of Large Numbers of Size-controlled Tumor Spheroids Using Microwell Plates. <i>Journal of Visualized Experiments</i> , 2013, , e50665.	0.3	20
24	Rational bioprocess design for human pluripotent stem cell expansion and endoderm differentiation based on cellular dynamics. <i>Biotechnology and Bioengineering</i> , 2012, 109, 853-866.	3.3	51
25	Incorporation of biomaterials in multicellular aggregates modulates pluripotent stem cell differentiation. <i>Biomaterials</i> , 2011, 32, 48-56.	11.4	154
26	Geometric Control of Cardiomyogenic Induction in Human Pluripotent Stem Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 1901-1909.	3.1	79
27	Micropatterning of human embryonic stem cells dissects the mesoderm and endoderm lineages. <i>Stem Cell Research</i> , 2009, 2, 155-162.	0.7	92
28	An automated system for delivery of an unstable transcription factor to hematopoietic stem cell cultures. <i>Biotechnology and Bioengineering</i> , 2009, 103, 402-412.	3.3	11
29	Soft lithography: masters on demand. <i>Lab on A Chip</i> , 2008, 8, 1379.	6.0	72
30	Reproducible, Ultra High-Throughput Formation of Multicellular Organization from Single Cell Suspension-Derived Human Embryonic Stem Cell Aggregates. <i>PLoS ONE</i> , 2008, 3, e1565.	2.5	367
31	Phenotypic Analysis of Human Embryonic Stem Cells. , 2007, Chapter 1, Unit 1B.3.		16
32	Strict control of telomerase activation using Cre-mediated inversion. , 2006, 6, 10.		8
33	Preferential maintenance of critically short telomeres in mammalian cells heterozygous formTert. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3597-3602.	7.1	94
34	The Bloom syndrome helicase BLM interacts with TRF2 in ALT cells and promotes telomeric DNA synthesis. <i>Human Molecular Genetics</i> , 2002, 11, 3135-3144.	2.9	173
35	Key Structural Features of Prostaglandin E ₂ and Prostanoid Analogs Involved in Binding and Activation of the Human EP ₁ Prostanoid Receptor. <i>Molecular Pharmacology</i> , 2001, 59, 1446-1456.	2.3	55
36	Characterization of a Novel Serotonin Receptor from <i>Caenorhabditis elegans</i> . <i>Journal of Neurochemistry</i> , 2001, 72, 1372-1383.	3.9	94

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37	An Automated Aequorin Luminescence-Based Functional Calcium Assay for G-Protein-Coupled Receptors. <i>Analytical Biochemistry</i> , 1999, 272, 34-42.	2.4	56
38	Molecular cloning and characterization of the four rat prostaglandin E2 prostanoid receptor subtypes. <i>European Journal of Pharmacology</i> , 1997, 340, 227-241.	3.5	267