

Peter Dockery

List of Publications by Year in descending order

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63
papers

2,554
citations

201658

27
h-index

206102

48
g-index

65
all docs

65
docs citations

65
times ranked

4673
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles in the environment: Sources, detection and ecotoxicology. <i>Science of the Total Environment</i> , 2017, 575, 231-246.	8.0	412
2	Inclusion of the Mesentery in Ileocolic Resection for Crohn's Disease is Associated With Reduced Surgical Recurrence. <i>Journal of Crohn's and Colitis</i> , 2018, 12, 1139-1150.	1.3	223
3	Employing mesenchymal stem cells to support tumor-targeted delivery of extracellular vesicle (EV)-encapsulated microRNA-379. <i>Oncogene</i> , 2018, 37, 2137-2149.	5.9	150
4	Wheat Sourdough Fermentation: Effects of Time and Acidification on Fundamental Rheological Properties. <i>Cereal Chemistry</i> , 2004, 81, 409-417.	2.2	108
5	Implantation of hyaluronic acid hydrogel prevents the pain phenotype in a rat model of intervertebral disc injury. <i>Science Advances</i> , 2018, 4, eaaq0597.	10.3	90
6	Hyaluronic Acid Based Hydrogels Attenuate Inflammatory Receptors and Neurotrophins in Interleukin-1 β Induced Inflammation Model of Nucleus Pulposus Cells. <i>Biomacromolecules</i> , 2015, 16, 1714-1725.	5.4	84
7	Rapamycin regulates autophagy and cell adhesion in induced pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 166.	5.5	74
8	COVID-19 and anatomy: Stimulus and initial response. <i>Journal of Anatomy</i> , 2020, 237, 393-403.	1.5	74
9	Straightforward, One-Step Fabrication of Ultrathin Thermoresponsive Films from Commercially Available pNIPAm for Cell Culture and Recovery. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1980-1990.	8.0	69
10	Altered Interhemispheric and Temporal Lobe White Matter Microstructural Organization in Severe Chronic Schizophrenia. <i>Neuropsychopharmacology</i> , 2014, 39, 944-954.	5.4	68
11	A comparative study of segmentation techniques for the quantification of brain subcortical volume. <i>Brain Imaging and Behavior</i> , 2018, 12, 1678-1695.	2.1	66
12	Stereological methods to assess tissue response for tissue-engineered scaffolds. <i>Biomaterials</i> , 2007, 28, 175-186.	11.4	64
13	Non-invasive and label-free detection of oral squamous cell carcinoma using saliva surface-enhanced Raman spectroscopy and multivariate analysis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1593-1601.	3.3	64
14	The use of therapeutic gene eNOS delivered via a fibrin scaffold enhances wound healing in a compromised wound model. <i>Biomaterials</i> , 2008, 29, 3143-3151.	11.4	62
15	Elastin-like recombinamers-based hydrogel modulates post-ischemic remodeling in a non-transmural myocardial infarction in sheep. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	56
16	An actuatable soft reservoir modulates host foreign body response. <i>Science Robotics</i> , 2019, 4, .	17.6	49
17	The quantification of vascular beds: A stereological approach. <i>Experimental and Molecular Pathology</i> , 2007, 82, 110-120.	2.1	45
18	Comparison of Cellular Architecture, Axonal Growth, and Blood Vessel Formation Through Cell-Loaded Polymer Scaffolds in the Transected Rat Spinal Cord. <i>Tissue Engineering - Part A</i> , 2014, 20, 2985-2997.	3.1	38

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19	Threshold-based segmentation of fluorescent and chromogenic images of microglia, astrocytes and oligodendrocytes in Fiji. <i>Journal of Neuroscience Methods</i> , 2018, 295, 87-103.	2.5	38
20	Model studies for wheat sourdough systems using gluten, lactate buffer and sodium chloride. <i>European Food Research and Technology</i> , 2003, 217, 235-243.	3.3	37
21	Ulk4 Is Essential for Ciliogenesis and CSF Flow. <i>Journal of Neuroscience</i> , 2016, 36, 7589-7600.	3.6	36
22	Gene-targeted CEP164-deficient cells show a ciliation defect with intact DNA repair capacity. <i>Journal of Cell Science</i> , 2016, 129, 1769-74.	2.0	36
23	Increased Ca ²⁺ signaling in NRXN1 ^{+/+} neurons derived from ASD induced pluripotent stem cells. <i>Molecular Autism</i> , 2019, 10, 52.	4.9	33
24	Chondrocytes Derived From Mesenchymal Stromal Cells and Induced Pluripotent Cells of Patients With Familial Osteochondritis Dissecans Exhibit an Endoplasmic Reticulum Stress Response and Defective Matrix Assembly. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1171-1181.	3.3	32
25	Impaired recognition memory and cognitive flexibility in the rat L6 spinal nerve ligation model of neuropathic pain. <i>Scandinavian Journal of Pain</i> , 2016, 10, 61-73.	1.3	30
26	An appraisal of the computed axial tomographic appearance of the human mesentery based on mesenteric contiguity from the duodenojejunal flexure to the mesorectal level. <i>European Radiology</i> , 2016, 26, 714-721.	4.5	30
27	Phytochrome A and B Regulate Primary Metabolism in Arabidopsis Leaves in Response to Light. <i>Frontiers in Plant Science</i> , 2017, 8, 1394.	3.6	30
28	Screening of exosomal microRNAs from colorectal cancer cells. <i>Cancer Biomarkers</i> , 2017, 17, 427-435.	1.7	29
29	Centrobilin controls primary ciliogenesis in vertebrates. <i>Journal of Cell Biology</i> , 2018, 217, 1205-1215.	5.2	26
30	<i>Ulk4</i> deficiency leads to hypomyelination in mice. <i>Glia</i> , 2018, 66, 175-190.	4.9	26
31	Modulation of Gut Barrier Functions in Ulcerative Colitis by Hyaluronic Acid System. <i>Advanced Science</i> , 2022, 9, e2103189.	11.2	26
32	Functional imaging for regenerative medicine. <i>Stem Cell Research and Therapy</i> , 2016, 7, 57.	5.5	24
33	A bioresorbable biomaterial carrier and passive stabilization device to improve heart function post-myocardial infarction. <i>Materials Science and Engineering C</i> , 2019, 103, 109751.	7.3	24
34	Investigating the Potential and Pitfalls of EV-Encapsulated MicroRNAs as Circulating Biomarkers of Breast Cancer. <i>Cells</i> , 2020, 9, 141.	4.1	24
35	Quantification of the regional bioarchitecture in the human aorta. <i>Journal of Anatomy</i> , 2020, 236, 142-155.	1.5	21
36	The development and structure of the mesentery. <i>Communications Biology</i> , 2021, 4, 982.	4.4	20

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37	Surgery for colorectal cancer "standardization required. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 256-257.	17.8	18
38	Anatomy of the mesentery: Current understanding and mechanisms of attachment. Seminars in Cell and Developmental Biology, 2019, 92, 12-17.	5.0	18
39	Point of care optical diagnostic technologies for the detection of oral and oropharyngeal squamous cell carcinoma. Journal of the Royal College of Surgeons of Edinburgh, 2015, 13, 321-329.	1.8	17
40	Three-Dimensional Microgel Platform for the Production of Cell Factories Tailored for the Nucleus Pulposus. Bioconjugate Chemistry, 2015, 26, 1297-1306.	3.6	15
41	Absence of the neurogenesis-dependent nuclear receptor TLX induces inflammation in the hippocampus. Journal of Neuroimmunology, 2019, 331, 87-96.	2.3	15
42	Additive Manufacturing of Multi-scale Porous Soft Tissue Implants That Encourage Vascularization and Tissue Ingrowth. Advanced Healthcare Materials, 2021, 10, e2100229.	7.6	14
43	NRXN1 [±] is associated with increased excitability in ASD iPSC-derived neurons. BMC Neuroscience, 2021, 22, 56.	1.9	14
44	Skin Thickness of the Anterior, Anteromedial, and Anterolateral Thigh: A Cadaveric Study for Split-Skin Graft Donor Sites. Archives of Plastic Surgery, 2014, 41, 673-678.	0.9	13
45	A novel barbed suture tie-over dressing for skin grafts: A comparison with traditional techniques. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2014, 67, 1237-1241.	1.0	12
46	Activated charcoal as a capture material for silver nanoparticles in environmental water samples. Science of the Total Environment, 2018, 645, 356-362.	8.0	11
47	An investigation of cell growth and detachment from thermoresponsive physically crosslinked networks. Colloids and Surfaces B: Biointerfaces, 2017, 159, 159-165.	5.0	10
48	Nanometer-scale physically adsorbed thermoresponsive films for cell culture. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 221-234.	3.4	10
49	The influence of smooth muscle content and orientation in dissected human pregnant myometrial strips on contractility measurements. European Journal of Pharmacology, 2014, 738, 245-249.	3.5	8
50	Fabrication and Application of Photocrosslinked, Nanometer-Scale, Physically Adsorbed Films for Tissue Culture Regeneration. Macromolecular Bioscience, 2017, 17, 1600175.	4.1	8
51	Novel Pt(IV) Prodrugs Displaying Antimitochondrial Effects. Molecular Pharmaceutics, 2020, 17, 3009-3023.	4.6	8
52	Assessing the Effects of VEGF Releasing Microspheres on the Angiogenic and Foreign Body Response to a 3D Printed Silicone-Based Macroencapsulation Device. Pharmaceutics, 2021, 13, 2077.	4.5	7
53	Cell viability in three <i>ex vivo</i> rat models of spinal cord injury. Journal of Anatomy, 2019, 234, 244-251.	1.5	6
54	<i>In Vitro</i> Evolution of <i>Listeria monocytogenes</i> Reveals Selective Pressure for Loss of SigB and AgrA Function at Different Incubation Temperatures. Applied and Environmental Microbiology, 2022, 88, e0033022.	3.1	6

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55	Neutralisation of SARS-CoV-2 by anatomical embalming solutions. <i>Journal of Anatomy</i> , 2021, 239, 1221-1225.	1.5	5
56	Analysis of reactive astrocytes and NG2 proteoglycan in ex vivo rat models of spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2019, 311, 418-425.	2.5	4
57	Cadaveric evaluation of sternal reconstruction using the pectoralis muscle flap. <i>ANZ Journal of Surgery</i> , 2019, 89, 945-949.	0.7	3
58	Ex Vivo Rat Transected Spinal Cord Slices as a Model to Assess Lentiviral Vector Delivery of Neurotrophin-3 and Short Hairpin RNA against NG2. <i>Biology</i> , 2020, 9, 54.	2.8	3
59	A versatile technique for high-resolution three-dimensional imaging of human arterial segments using microcomputed tomography. <i>JVS Vascular Science</i> , 2021, 2, 13-19.	1.1	3
60	Developing a morphomics framework to optimize implant site-specific design parameters for islet macroencapsulation devices. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210673.	3.4	3
61	A stereological study of developmental changes in hepatocyte ultrastructure of zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT ₂ Overlode	1.5	2
62	A method of characterising the complex anatomy of vascular occlusions and 3D printing biomimetic analogues. <i>Journal of Anatomy</i> , 2022, , .	1.5	1
63	P.120: Additive Manufactured Macroencapsulation Devices for Islet Cell Replacement Therapy. <i>Transplantation</i> , 2021, 105, S45-S45.	1.0	0