Peter Dockery

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Modulation of Gut Barrier Functions in Ulcerative Colitis by Hyaluronic Acid System. Advanced Science, 2022, 9, e2103189.	11.2	26
2	A method of characterising the complex anatomy of vascular occlusions and <scp>3D</scp> printing biomimetic analogues. Journal of Anatomy, 2022, , .	1.5	1
3	In Vitro Evolution of Listeria monocytogenes Reveals Selective Pressure for Loss of SigB and AgrA Function at Different Incubation Temperatures. Applied and Environmental Microbiology, 2022, 88, e0033022.	3.1	6
4	A versatile technique for high-resolution three-dimensional imaging of human arterial segmentsÂusing microcomputed tomography. JVS Vascular Science, 2021, 2, 13-19.	1.1	3
5	Elastin-like recombinamers-based hydrogel modulates post-ischemic remodeling in a non-transmural myocardial infarction in sheep. Science Translational Medicine, 2021, 13, .	12.4	56
6	Additive Manufacturing of Multiâ€Scale Porous Soft Tissue Implants That Encourage Vascularization and Tissue Ingrowth. Advanced Healthcare Materials, 2021, 10, e2100229.	7.6	14
7	The development and structure of the mesentery. Communications Biology, 2021, 4, 982.	4.4	20
8	NRXN1Î±+/- is associated with increased excitability in ASD iPSC-derived neurons. BMC Neuroscience, 2021, 22, 56.	1.9	14
9	Neutralisation of SARSâ€CoVâ€2 by anatomical embalming solutions. Journal of Anatomy, 2021, 239, 1221-1225.	1.5	5
10	P.120: Additive Manufactured Macroencapsulation Devices for Islet Cell Replacement Therapy. Transplantation, 2021, 105, S45-S45.	1.0	0
11	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
12	Developing a morphomics framework to optimize implant site-specific design parameters for islet macroencapsulation devices. Journal of the Royal Society Interface, 2021, 18, 20210673.	3.4	3
13	Quantification of the regional bioarchitecture in the human aorta. Journal of Anatomy, 2020, 236, 142-155.	1.5	21
14	Ex Vivo Rat Transected Spinal Cord Slices as a Model to Assess Lentiviral Vector Delivery of Neurotrophin-3 and Short Hairpin RNA against NG2. Biology, 2020, 9, 54.	2.8	3
15	Novel Pt(IV) Prodrugs Displaying Antimitochondrial Effects. Molecular Pharmaceutics, 2020, 17, 3009-3023.	4.6	8
16	COVIDâ€19 and anatomy: Stimulus and initial response. Journal of Anatomy, 2020, 237, 393-403.	1.5	74
17	A stereological study of developmental changes in hepatocyte ultrastructure of zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overloc	1.5	2
18	Investigating the Potential and Pitfalls of EV-Encapsulated MicroRNAs as Circulating Biomarkers of Breast Cancer. Cells, 2020, 9, 141.	4.1	24

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19	An actuatable soft reservoir modulates host foreign body response. Science Robotics, 2019, 4, .	17.6	49
20	Cadaveric evaluation of sternal reconstruction using the pectoralis muscle flap. ANZ Journal of Surgery, 2019, 89, 945-949.	0.7	3
21	A bioresorbable biomaterial carrier and passive stabilization device to improve heart function post-myocardial infarction. Materials Science and Engineering C, 2019, 103, 109751.	7.3	24
22	Increased Ca2+ signaling in NRXN1Î±+/â^' neurons derived from ASD induced pluripotent stem cells. Molecular Autism, 2019, 10, 52.	4.9	33
23	Cell viability in three exÂvivo rat models of spinal cord injury. Journal of Anatomy, 2019, 234, 244-251.	1.5	6
24	Anatomy of the mesentery: Current understanding and mechanisms of attachment. Seminars in Cell and Developmental Biology, 2019, 92, 12-17.	5.0	18
25	Analysis of reactive astrocytes and NG2 proteoglycan in ex vivo rat models of spinal cord injury. Journal of Neuroscience Methods, 2019, 311, 418-425.	2.5	4
26	Absence of the neurogenesis-dependent nuclear receptor TLX induces inflammation in the hippocampus. Journal of Neuroimmunology, 2019, 331, 87-96.	2.3	15
27	Implantation of hyaluronic acid hydrogel prevents the pain phenotype in a rat model of intervertebral disc injury. Science Advances, 2018, 4, eaaq0597.	10.3	90
28	Centrobin controls primary ciliogenesis in vertebrates. Journal of Cell Biology, 2018, 217, 1205-1215.	5.2	26
29	A comparative study of segmentation techniques for the quantification of brain subcortical volume. Brain Imaging and Behavior, 2018, 12, 1678-1695.	2.1	66
30	Employing mesenchymal stem cells to support tumor-targeted delivery of extracellular vesicle (EV)-encapsulated microRNA-379. Oncogene, 2018, 37, 2137-2149.	5.9	150
31	Threshold-based segmentation of fluorescent and chromogenic images of microglia, astrocytes and oligodendrocytes in FIJI. Journal of Neuroscience Methods, 2018, 295, 87-103.	2.5	38
32	Inclusion of the Mesentery in Ileocolic Resection for Crohnâ€™s Disease is Associated With Reduced Surgical Recurrence. Journal of Crohn's and Colitis, 2018, 12, 1139-1150.	1.3	223
33	Ulk4 deficiency leads to hypomyelination in mice. Glia, 2018, 66, 175-190.	4.9	26
34	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
35	Screening of exosomal microRNAs from colorectal cancer cells. Cancer Biomarkers, 2017, 17, 427-435.	1.7	29
36	An investigation of cell growth and detachment from thermoresponsive physically crosslinked networks. Colloids and Surfaces B: Biointerfaces, 2017, 159, 159-165.	5.0	10

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37	Nanometer-scale physically adsorbed thermoresponsive films for cell culture. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 221-234.	3.4	10
38	Fabrication and Application of Photocrosslinked, Nanometer-Scale, Physically Adsorbed Films for Tissue Culture Regeneration. Macromolecular Bioscience, 2017, 17, 1600175.	4.1	8
39	Silver nanoparticles in the environment: Sources, detection and ecotoxicology. Science of the Total Environment, 2017, 575, 231-246.	8.0	412
40	Phytochrome A and B Regulate Primary Metabolism in Arabidopsis Leaves in Response to Light. Frontiers in Plant Science, 2017, 8, 1394.	3.6	30
41	Functional imaging for regenerative medicine. Stem Cell Research and Therapy, 2016, 7, 57.	5.5	24
42	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. Stem Cells Translational Medicine, 2016, 5, 1171-1181.	3.3	32
43	Ulk4 Is Essential for Ciliogenesis and CSF Flow. Journal of Neuroscience, 2016, 36, 7589-7600.	3.6	36
44	Rapamycin regulates autophagy and cell adhesion in induced pluripotent stem cells. Stem Cell Research and Therapy, 2016, 7, 166.	5.5	74
45	Non-invasive and label-free detection of oral squamous cell carcinoma using saliva surface-enhanced Raman spectroscopy and multivariate analysis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1593-1601.	3.3	64
46	Impaired recognition memory and cognitive flexibility in the ratL5â€“L6 spinal nerve ligation model of neuropathic pain. Scandinavian Journal of Pain, 2016, 10, 61-73.	1.3	30
47	Surgery for colorectal cancer â€” standardization required. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 256-257.	17.8	18
48	Gene-targeted CEP164-deficient cells show a ciliation defect with intact DNA repair capacity. Journal of Cell Science, 2016, 129, 1769-74.	2.0	36
49	An appraisal of the computed axial tomographic appearance of the human mesentery based on mesenteric contiguity from the duodenojejunal flexure to the mesorectal level. European Radiology, 2016, 26, 714-721.	4.5	30
50	Three-Dimensional Microgel Platform for the Production of Cell Factories Tailored for the Nucleus Pulposus. Bioconjugate Chemistry, 2015, 26, 1297-1306.	3.6	15
51	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
52	Hyaluronic Acid Based Hydrogels Attenuate Inflammatory Receptors and Neurotrophins in Interleukin-1Î² Induced Inflammation Model of Nucleus Pulposus Cells. Biomacromolecules, 2015, 16, 1714-1725.	5.4	84
53	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
54	Altered Interhemispheric and Temporal Lobe White Matter Microstructural Organization in Severe Chronic Schizophrenia. Neuropsychopharmacology, 2014, 39, 944-954.	5.4	68

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55	Comparison of Cellular Architecture, Axonal Growth, and Blood Vessel Formation Through Cell-Loaded Polymer Scaffolds in the Transected Rat Spinal Cord. Tissue Engineering - Part A, 2014, 20, 2985-2997.	3.1	38
56	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
57	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
58	Straightforward, One-Step Fabrication of Ultrathin Thermoresponsive Films from Commercially Available pNIPAm for Cell Culture and Recovery. ACS Applied Materials & Interfaces, 2011, 3, 1980-1990.	8.0	69
59	The use of therapeutic gene eNOS delivered via a fibrin scaffold enhances wound healing in a compromised wound model. Biomaterials, 2008, 29, 3143-3151.	11.4	62
60	Stereological methods to assess tissue response for tissue-engineered scaffolds. Biomaterials, 2007, 28, 175-186.	11.4	64
61	The quantification of vascular beds: A stereological approach. Experimental and Molecular Pathology, 2007, 82, 110-120.	2.1	45
62	Wheat Sourdough Fermentation: Effects of Time and Acidification on Fundamental Rheological Properties. Cereal Chemistry, 2004, 81, 409-417.	2.2	108
63	Model studies for wheat sourdough systems using gluten, lactate buffer and sodium chloride. European Food Research and Technology, 2003, 217, 235-243.	3.3	37