

Peter Dockery

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,554
citations

201674
27
h-index

206112
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 | Centrobin controls primary ciliogenesis in vertebrates. <i>Journal of Cell Biology</i> , 2018, 217, 1205-1215. | 5.2 | 26 |
| 30 | Ulk4 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. Journal of Anatomy, 2021, 239, 1221-1225. | 1.5 | 5 |
| 56 | 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 |
| 57 | Cadaveric evaluation of sternal reconstruction using the pectoralis muscle flap. ANZ Journal of Surgery, 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. Biology, 2020, 9, 54. | 2.8 | 3 |
| 59 | A versatile technique for high-resolution three-dimensional imaging of human arterial segments using microcomputed tomography. JVS Vascular Science, 2021, 2, 13-19. | 1.1 | 3 |
| 60 | 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 |
| 61 | A stereological study of developmental changes in hepatocyte ultrastructure of zebrafish (Danio rerio). Tissue Engineering Part B: Applications, 2021, 27, 10000000. | 1.5 | 2 |
| 62 | A method of characterising the complex anatomy of vascular occlusions and 3D printing biomimetic analogues. Journal of Anatomy, 2022, , . | 1.5 | 1 |
| 63 | P.120: Additive Manufactured Macroencapsulation Devices for Islet Cell Replacement Therapy. Transplantation, 2021, 105, S45-S45. | 1.0 | 0 |