

Martin Birchall

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,368
citations

430874

18
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

2317
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Raman Spectroscopy for Early Detection of Laryngeal Malignancy: Preliminary Results. <i>Laryngoscope</i> , 2000, 110, 1756-1763. | 2.0 | 200 |
| 2 | Polyol synthesis, functionalisation, and biocompatibility studies of superparamagnetic iron oxide nanoparticles as potential MRI contrast agents. <i>Nanoscale</i> , 2016, 8, 3278-3287. | 5.6 | 173 |
| 3 | Regenerative medicine as applied to solid organ transplantation: current status and future challenges. <i>Transplant International</i> , 2011, 24, 223-232. | 1.6 | 151 |
| 4 | Both epithelial cells and mesenchymal stem cell-derived chondrocytes contribute to the survival of tissue-engineered airway transplants in pigs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, 437-443. | 0.8 | 139 |
| 5 | Trachea transplantation: from laboratory to patient. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 357-367. | 2.7 | 75 |
| 6 | Tracking stem cells in tissue-engineered organs using magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 11362. | 5.6 | 66 |
| 7 | Design and development of nanocomposite scaffolds for auricular reconstruction. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 235-246. | 3.3 | 64 |
| 8 | Stiffness memory of indirectly 3D-printed elastomer nanohybrid regulates chondrogenesis and osteogenesis of human mesenchymal stem cells. <i>Biomaterials</i> , 2018, 186, 64-79. | 11.4 | 46 |
| 9 | Human laryngeal allograft: shift of emphasis in transplantation. <i>Lancet, The</i> , 1998, 351, 539-540. | 13.7 | 44 |
| 10 | Medical students in ENT outpatient clinics: appointment times, patient satisfaction and student satisfaction. <i>Medical Education</i> , 1999, 33, 669-673. | 2.1 | 43 |
| 11 | Airway Transplantation: A Debate Worth Having?. <i>Transplantation</i> , 2008, 85, 1075-1080. | 1.0 | 35 |
| 12 | Tissue engineering airway mucosa: A systematic review. <i>Laryngoscope</i> , 2014, 124, 961-968. | 2.0 | 35 |
| 13 | Tracheal bioengineering: the next steps. <i>Proceeds of an International Society of Cell Therapy Pulmonary Cellular Therapy Signature Series Workshop, Paris, France, April 22, 2014. Cytotherapy</i> , 2014, 16, 1601-1613. | 0.7 | 33 |
| 14 | The first stem cell-based tissue-engineered organ replacement: implications for regenerative medicine and society. <i>Regenerative Medicine</i> , 2009, 4, 147-148. | 1.7 | 31 |
| 15 | Recent advances in human respiratory epithelium models for drug discovery. <i>Biotechnology Advances</i> , 2022, 54, 107832. | 11.7 | 24 |
| 16 | Advancing nasal reconstructive surgery: the application of tissue engineering technology. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 757-768. | 2.7 | 22 |
| 17 | Stiffness memory nanohybrid scaffolds generated by indirect 3D printing for biologically responsive soft implants. <i>Acta Biomaterialia</i> , 2018, 80, 188-202. | 8.3 | 22 |
| 18 | Cellular responses to thermoresponsive stiffness memory elastomer nanohybrid scaffolds by 3D-TIPS. <i>Acta Biomaterialia</i> , 2019, 85, 157-171. | 8.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Quantitative assessment of barriers to the clinical development and adoption of cellular therapies: A pilot study. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141455176. | 5.5 | 19 |
| 20 | A Biodesigned Nanocomposite Biomaterial for Auricular Cartilage Reconstruction. <i>Advanced Healthcare Materials</i> , 2016, 5, 1203-1212. | 7.6 | 18 |
| 21 | Laryngeal abductor muscle reinnervation in a pig model. <i>Acta Oto-Laryngologica</i> , 2004, 124, 839-846. | 0.9 | 16 |
| 22 | Human airway-like multilayered tissue on 3D-TIPS printed thermoresponsive elastomer/collagen hybrid scaffolds. <i>Acta Biomaterialia</i> , 2020, 113, 177-195. | 8.3 | 15 |
| 23 | Does laryngeal reinnervation or type I thyroplasty give better voice results for patients with unilateral vocal fold paralysis (VOCALIST): study protocol for a feasibility randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e016871. | 1.9 | 13 |
| 24 | A quantitative, multi-national and multi-stakeholder assessment of barriers to the adoption of cell therapies. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141772441. | 5.5 | 13 |
| 25 | Thermoresponsive Stiffness Softening of Hierarchically Porous Nanohybrid Membranes Promotes Niches for Mesenchymal Stem Cell Differentiation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801556. | 7.6 | 12 |
| 26 | Towards reconstruction of epithelialized cartilages from autologous adipose tissue-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3078-3089. | 2.7 | 10 |
| 27 | Use of compassionate-case ATMP in preclinical data for clinical trial applications. <i>Lancet, The</i> , 2012, 379, 2341. | 13.7 | 8 |
| 28 | Interventional and Intrinsic Airway Homeostasis and Repair. <i>Physiology</i> , 2012, 27, 140-147. | 3.1 | 7 |
| 29 | Novel approach to in-vivo oesophageal regeneration. <i>Lancet, The</i> , 2016, 388, 6-7. | 13.7 | 5 |
| 30 | Development data associated with effects of stiffness softening of 3D-TIPS elastomer nanohybrid scaffolds on tissue ingrowth, vascularization and inflammation in vivo. <i>Data in Brief</i> , 2019, 22, 885-902. | 1.0 | 3 |
| 31 | Prediction of Larynx Function Using Multichannel Surface EMG Classification. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021, 3, 1032-1039. | 3.2 | 3 |
| 32 | Laryngeal transplantation. <i>Transplantation Reviews</i> , 2002, 16, 95-107. | 2.9 | 1 |
| 33 | Stem-Cell "Hype" in Tracheal Transplantation? A Response. <i>Transplantation</i> , 2010, 90, 928-929. | 1.0 | 1 |
| 34 | Functional Outcomes Following Delayed Laryngeal Reinnervation Of Patients with Vagal Paralysis After Paraganglioma and Schwannoma Surgery. <i>Journal of Voice</i> , 2023, 37, 610-615. | 1.5 | 1 |
| 35 | Data of a stiffness softening mechanism effect on proliferation and differentiation of a human bone marrow derived mesenchymal stem cell line towards the chondrogenic and osteogenic lineages. <i>Data in Brief</i> , 2018, 21, 133-142. | 1.0 | 0 |
| 36 | Robotics, laryngeal transplantation, gene therapy, growth factors and facial transplantation. , 2012, , 1099-1112. | | 0 |