

Lumei Liu

List of Publications by Year in descending order

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18
papers

299
citations

933447

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888059

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all docs

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docs citations

18
times ranked

424
citing authors

#	ARTICLE	IF	CITATIONS
1	Ex vivo blood vessel bioreactor for analysis of the biodegradation of magnesium stent models with and without vessel wall integration. <i>Acta Biomaterialia</i> , 2017, 50, 546-555.	8.3	39
2	Role of Collagen in Airway Mechanics. <i>Bioengineering</i> , 2021, 8, 13.	3.5	35
3	Three-dimensional brain-on-chip model using human iPSC-derived GABAergic neurons and astrocytes: Butyrylcholinesterase post-treatment for acute malathion exposure. <i>PLoS ONE</i> , 2020, 15, e0230335.	2.5	28
4	Deconstructing tissue engineered trachea: Assessing the role of synthetic scaffolds, segmental replacement and cell seeding on graft performance. <i>Acta Biomaterialia</i> , 2020, 102, 181-191.	8.3	27
5	Degradation Rates of Pure Zinc, Magnesium, and Magnesium Alloys Measured by Volume Loss, Mass Loss, and Hydrogen Evolution. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1459.	2.5	23
6	The Biological Responses to Magnesium-Based Biodegradable Medical Devices. <i>Metals</i> , 2017, 7, 514.	2.3	20
7	Three-dimensional (3D) brain microphysiological system for organophosphates and neurochemical agent toxicity screening. <i>PLoS ONE</i> , 2019, 14, e0224657.	2.5	18
8	Biodegradability and platelets adhesion assessment of magnesium-based alloys using a microfluidic system. <i>PLoS ONE</i> , 2017, 12, e0182914.	2.5	17
9	The impact of obesity on brain iron levels and α -synuclein expression is regionally dependent. <i>Nutritional Neuroscience</i> , 2019, 22, 335-343.	3.1	15
10	Regeneration of partially decellularized tracheal scaffolds in a mouse model of orthotopic tracheal replacement. <i>Journal of Tissue Engineering</i> , 2021, 12, 2041731422110174.	5.5	15
11	Tissue-engineered composite tracheal grafts create mechanically stable and biocompatible airway replacements. <i>Journal of Tissue Engineering</i> , 2022, 13, 204173142211087.	5.5	12
12	Tracheal Macrophages During Regeneration and Repair of Longâ€Segment Airway Defects. <i>Laryngoscope</i> , 2022, 132, 737-746.	2.0	11
13	Topical biomaterials to prevent post-tonsillectomy hemorrhage. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2019, 48, 45.	1.9	10
14	The Effects of Dietary Fat and Iron Interaction on Brain Regional Iron Contents and Stereotypical Behaviors in Male C57BL/6J Mice. <i>Frontiers in Nutrition</i> , 2016, 3, 20.	3.7	9
15	Spatial and Temporal Analysis of Host Cells in Tracheal Graft Implantation. <i>Laryngoscope</i> , 2021, 131, E340-E345.	2.0	6
16	Modulation of Synthetic Tracheal Grafts with Extracellular Matrix Coatings. <i>Bioengineering</i> , 2021, 8, 116.	3.5	5
17	A Multimodal Approach to Quantify Chondrocyte Viability for Airway Tissue Engineering. <i>Laryngoscope</i> , 2023, 133, 512-520.	2.0	5
18	Comparison of endothelial cell attachment on surfaces of biodegradable polymer-coated magnesium alloys in a microfluidic environment. <i>PLoS ONE</i> , 2018, 13, e0205611.	2.5	4