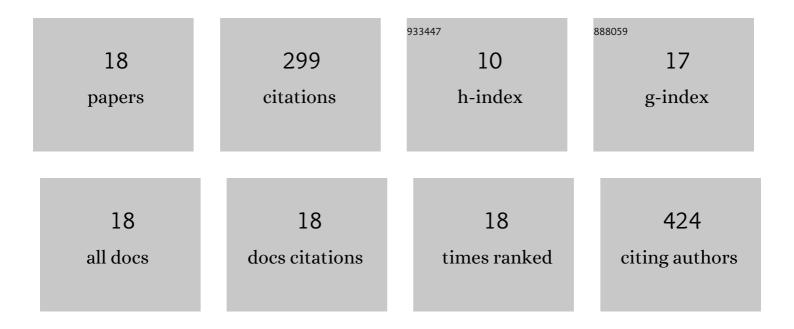
Lumei Liu

List of Publications by Year in descending order

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LUMELLU

#	Article	IF	CITATIONS
1	Ex vivo blood vessel bioreactor for analysis of the biodegradation of magnesium stent models with and without vessel wall integration. Acta Biomaterialia, 2017, 50, 546-555.	8.3	39
2	Role of Collagen in Airway Mechanics. Bioengineering, 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. PLoS ONE, 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. Acta Biomaterialia, 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. Applied Sciences (Switzerland), 2018, 8, 1459.	2.5	23
6	The Biological Responses to Magnesium-Based Biodegradable Medical Devices. Metals, 2017, 7, 514.	2.3	20
7	Three-dimensional (3D) brain microphysiological system for organophosphates and neurochemical agent toxicity screening. PLoS ONE, 2019, 14, e0224657.	2.5	18
8	Biodegradability and platelets adhesion assessment of magnesium-based alloys using a microfluidic system. PLoS ONE, 2017, 12, e0182914.	2.5	17
9	The impact of obesity on brain iron levels and α-synuclein expression is regionally dependent. Nutritional Neuroscience, 2019, 22, 335-343.	3.1	15
10	Regeneration of partially decellularized tracheal scaffolds in a mouse model of orthotopic tracheal replacement. Journal of Tissue Engineering, 2021, 12, 204173142110174.	5.5	15
11	Tissue-engineered composite tracheal grafts create mechanically stable and biocompatible airway replacements. Journal of Tissue Engineering, 2022, 13, 204173142211087.	5.5	12
12	Tracheal Macrophages During Regeneration and Repair of Long egment Airway Defects. Laryngoscope, 2022, 132, 737-746.	2.0	11
13	Topical biomaterials to prevent post-tonsillectomy hemorrhage. Journal of Otolaryngology - Head and Neck Surgery, 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. Frontiers in Nutrition, 2016, 3, 20.	3.7	9
15	Spatial and Temporal Analysis of Host Cells in Tracheal Graft Implantation. Laryngoscope, 2021, 131, E340-E345.	2.0	6
16	Modulation of Synthetic Tracheal Grafts with Extracellular Matrix Coatings. Bioengineering, 2021, 8, 116.	3.5	5
17	A Multimodal Approach to Quantify Chondrocyte Viability for Airway Tissue Engineering. Laryngoscope, 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. PLoS ONE, 2018, 13, e0205611.	2.5	4