

# Matthew Barton

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

515  
citations

759190  
12  
h-index

677123  
22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Histological, immunohistochemical, and morphometric analysis of negative pressure-assisted in-vivo nerve stretch-growth. <i>Neuroscience Letters</i> , 2022, 782, 136687.	2.1	0
2	Integrated, Transparent Silicon Carbide Electronics and Sensors for Radio Frequency Biomedical Therapy. <i>ACS Nano</i> , 2022, 16, 10890-10903.	14.6	17
3	Dynamic patterns of YAP1 expression and cellular localization in the developing and injured utricle. <i>Scientific Reports</i> , 2021, 11, 2140.	3.3	9
4	Negative Pressure Neurogenesis: A Novel Approach to Accelerate Nerve Regeneration after Complete Peripheral Nerve Transection. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2021, 9, e3568.	0.6	1
5	Isolated systolic hypertension in young males: a scoping review. <i>Clinical Hypertension</i> , 2021, 27, 12.	2.0	4
6	Stretching Induces Overexpression of RhoA and Rac1 GTPases in Breast Cancer Cells. <i>Advanced Biology</i> , 2020, 4, 1900222.	3.0	14
7	Designing accessible educational resources for people living with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2020, , 1-13.	1.4	1
8	A Systematic Review of the Effectiveness of Cell-Based Therapy in Repairing Peripheral Nerve Gap Defects. <i>Prosthesis</i> , 2020, 2, 153-167.	2.9	3
9	Twelve tips for using Facebook as a learning platform. <i>Medical Teacher</i> , 2020, 43, 1-13.	1.8	12
10	Design and fabrication of a nerve-stretching device for in vivo mechanotransduction of peripheral nerve fibers. <i>HardwareX</i> , 2020, 7, e00093.	2.2	4
11	Development of a <i>nerve stretcher</i> for <i>in vivo</i> stretching of nerve fibres. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045026.	1.2	4
12	Bridging larger gaps in peripheral nerves using neural prosthetics and physical therapeutic agents. <i>Neural Regeneration Research</i> , 2019, 14, 1109.	3.0	5
13	Pneumatically actuated cell-stretching array platform for engineering cell patterns in vitro. <i>Lab on A Chip</i> , 2018, 18, 765-774.	6.0	15
14	Youtube for millennial nursing students; using internet technology to support student engagement with bioscience. <i>Nurse Education in Practice</i> , 2018, 31, 151-155.	2.6	30
15	The Glia Response after Peripheral Nerve Injury: A Comparison between Schwann Cells and Olfactory Ensheathing Cells and Their Uses for Neural Regenerative Therapies. <i>International Journal of Molecular Sciences</i> , 2017, 18, 287.	4.1	81
16	An Electromagnetically Actuated Double-Sided Cell-Stretching Device for Mechanobiology Research. <i>Micromachines</i> , 2017, 8, 256.	2.9	19
17	Three-dimensional printing of biological matters. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 1-17.	3.1	108
18	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. <i>Somatosensory &amp; Motor Research</i> , 2016, 33, 20-28.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Nerve repair: toward a sutureless approach. Neurosurgical Review, 2014, 37, 585-595.	2.4	53
20	Extending the viability of acute brain slices. Scientific Reports, 2014, 4, 5309.	3.3	60
21	Fabrication and Application of Rose Bengal-chitosan Films in Laser Tissue Repair. Journal of Visualized Experiments, 2012, , .	0.3	14
22	Chitosan Adhesive Films for Photochemical Tissue Bonding. AIP Conference Proceedings, 2011, , .	0.4	1
23	Photochemical tissue bonding with chitosan adhesive films. BioMedical Engineering OnLine, 2010, 9, 47.	2.7	46