

Matthew T Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,904
citations

361045

20
h-index

610482

24
g-index

28
all docs

28
docs citations

28
times ranked

5150
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrophage phenotype as a predictor of constructive remodeling following the implantation of biologically derived surgical mesh materials. <i>Acta Biomaterialia</i> , 2012, 8, 978-987.	4.1	619
2	Developing a pro-regenerative biomaterial scaffold microenvironment requires T helper 2 cells. <i>Science</i> , 2016, 352, 366-370.	6.0	464
3	An Acellular Biologic Scaffold Promotes Skeletal Muscle Formation in Mice and Humans with Volumetric Muscle Loss. <i>Science Translational Medicine</i> , 2014, 6, 234ra58.	5.8	384
4	A hydrogel derived from decellularized dermal extracellular matrix. <i>Biomaterials</i> , 2012, 33, 7028-7038.	5.7	368
5	Biologic scaffold composed of skeletal muscle extracellular matrix. <i>Biomaterials</i> , 2012, 33, 2916-2925.	5.7	219
6	Design, clinical translation and immunological response of biomaterials in regenerative medicine. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	208
7	Macrophage polarization in response to ECM coated polypropylene mesh. <i>Biomaterials</i> , 2014, 35, 6838-6849.	5.7	193
8	Naturally derived and synthetic scaffolds for skeletal muscle reconstruction. <i>Advanced Drug Delivery Reviews</i> , 2015, 84, 208-221.	6.6	189
9	Divergent immune responses to synthetic and biological scaffolds. <i>Biomaterials</i> , 2019, 192, 405-415.	5.7	176
10	ECM hydrogel coating mitigates the chronic inflammatory response to polypropylene mesh. <i>Biomaterials</i> , 2014, 35, 8585-8595.	5.7	141
11	Tissue matrix arrays for high-throughput screening and systems analysis of cell function. <i>Nature Methods</i> , 2015, 12, 1197-1204.	9.0	140
12	IL-17 and immunologically induced senescence regulate response to injury in osteoarthritis. <i>Journal of Clinical Investigation</i> , 2020, 130, 5493-5507.	3.9	119
13	Bi-layered polyurethane " Extracellular matrix cardiac patch improves ischemic ventricular wall remodeling in a rat model. <i>Biomaterials</i> , 2016, 107, 1-14.	5.7	107
14	Polypropylene surgical mesh coated with extracellular matrix mitigates the host foreign body response. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 234-246.	2.1	104
15	Interleukin 17 and senescent cells regulate the foreign body response to synthetic material implants in mice and humans. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	99
16	A biologic scaffold-associated type 2 immune microenvironment inhibits tumor formation and synergizes with checkpoint immunotherapy. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	96
17	Proteomic composition and immunomodulatory properties of urinary bladder matrix scaffolds in homeostasis and injury. <i>Seminars in Immunology</i> , 2017, 29, 14-23.	2.7	73
18	Immunomodulation and Mobilization of Progenitor Cells by Extracellular Matrix Bioscaffolds for Volumetric Muscle Loss Treatment. <i>Tissue Engineering - Part A</i> , 2016, 22, 1129-1139.	1.6	63

#	ARTICLE	IF	CITATIONS
19	Predicting <i>In Vivo</i> Responses to Biomaterials via Combined <i>In Vitro</i> and <i>In Silico</i> Analysis. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 148-159.	1.1	41
20	Two-Year Follow-Up and Remodeling Kinetics of ChonDux Hydrogel for Full-Thickness Cartilage Defect Repair in the Knee. <i>Cartilage</i> , 2020, 11, 447-457.	1.4	29
21	Type 2 immunity induced by bladder extracellular matrix enhances corneal wound healing. <i>Science Advances</i> , 2021, 7, .	4.7	22
22	An immunologically active, adipose-derived extracellular matrix biomaterial for soft tissue reconstruction: concept to clinical trial. <i>Npj Regenerative Medicine</i> , 2022, 7, 6.	2.5	19
23	Intra-articular Injection of Urinary Bladder Matrix Reduces Osteoarthritis Development. <i>AAPS Journal</i> , 2017, 19, 141-149.	2.2	15
24	Biological scaffold-mediated delivery of myostatin inhibitor promotes a regenerative immune response in an animal model of Duchenne muscular dystrophy. <i>Journal of Biological Chemistry</i> , 2018, 293, 15594-15605.	1.6	14
25	The Canary in the Coal Mine: Biomaterial Implants to Monitor Cancer Recurrence. <i>Cancer Research</i> , 2020, 80, 377-378.	0.4	0
26	Biomaterials modulation of the tumor immune environment for cancer immunotherapy. , 2021, , 195-213.		0