Andreas H Teuschl

List of Publications by Year
in descending order

33	945	430754 18	454834 30
papers	citations	h-index	g-index

34	34	34	1551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced BMP-2-Mediated Bone Repair Using an Anisotropic Silk Fibroin Scaffold Coated with Bone-like Apatite. International Journal of Molecular Sciences, 2022, 23, 283.	1.8	7
2	Optimizing the Surface Structural and Morphological Properties of Silk Thin Films via Ultra-Short Laser Texturing for Creation of Muscle Cell Matrix Model. Polymers, 2022, 14, 2584.	2.0	3
3	Optimization of hyaluronic acid-tyramine/silk-fibroin composite hydrogels for cartilage tissue engineering and delivery of anti-inflammatory and anabolic drugs. Materials Science and Engineering C, 2021, 120, 111701.	3.8	72
4	Ligament Tissue Engineering: The Anterior Cruciate Ligament. Reference Series in Biomedical Engineering, 2021, , 489-506.	0.1	0
5	Advances in Laser Additive Manufacturing of Ti-Nb Alloys: From Nanostructured Powders to Bulk Objects. Nanomaterials, 2021, 11, 1159.	1.9	19
6	Quantification of radiotracer accumulation in a dynamic column-based 3D cell culture. Nuclear Medicine and Biology, 2021, 96-97, S14.	0.3	0
7	Novel Human Placenta-Based Extract for Vascularization Strategies in Tissue Engineering. Tissue Engineering - Part C: Methods, 2021, 27, 616-632.	1.1	3
8	Riboflavin-mediated photooxidation to improve the characteristics of decellularized human arterial small diameter vascular grafts. Acta Biomaterialia, 2020, 116, 246-258.	4.1	19
9	Stiffness Matters: Fine-Tuned Hydrogel Elasticity Alters Chondrogenic Redifferentiation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 373.	2.0	60
10	Zoledronic Acid Substantially Improves Bone Microarchitecture and Biomechanical Properties After Rotator Cuff Repair in a Rodent Chronic Defect Model. American Journal of Sports Medicine, 2020, 48, 2151-2160.	1.9	22
11	Ligament Tissue Engineering: The Anterior Cruciate Ligament. , 2020, , 1-18.		0
12	Effect of fluid dynamics on decellularization efficacy and mechanical properties of blood vessels. PLoS ONE, 2019, 14, e0220743.	1.1	25
13	Substantial Biomechanical Improvement by Extracorporeal Shockwave Therapy After Surgical Repair of Rodent Chronic Rotator Cuff Tears. American Journal of Sports Medicine, 2019, 47, 2158-2166.	1.9	15
14	Smart textiles in wound care: functionalization of cotton/PET blends with antimicrobial nanocapsules. Journal of Materials Chemistry B, 2019, 7, 6592-6603.	2.9	23
15	Repopulation of an auricular cartilage scaffold, AuriScaff, perforated with an enzyme combination. Acta Biomaterialia, 2019, 86, 207-222.	4.1	27
16	Hydrogel composition and laser micropatterning to regulate sciatic nerve regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1049-1061.	1.3	11
17	Hydrostatic pressure-generated reactive oxygen species induce osteoarthritic conditions in cartilage pellet cultures. Scientific Reports, 2018, 8, 17010.	1.6	23
18	Systematic in vitro comparison of decellularization protocols for blood vessels. PLoS ONE, 2018, 13, e0209269.	1.1	73

#	Article	IF	Citations
19	Structural insights into pH-responsive drug release of self-assembling human serum albumin-silk fibroin nanocapsules. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 176-187.	2.0	21
20	Human Placenta Laminin-111 as a Multifunctional Protein for Tissue Engineering and Regenerative Medicine. Advances in Experimental Medicine and Biology, 2018, 1077, 3-17.	0.8	6
21	Acellular vascular matrix grafts from human placenta chorion: Impact of ECM preservation on graft characteristics, protein composition and inÂvivo performance. Biomaterials, 2018, 177, 14-26.	5.7	54
22	An Effective Method ofAtelocollagenType 1/3 Isolation from Human Placenta and ItsIn VitroCharacterization in Two-Dimensional and Three-Dimensional Cell Culture Applications. Tissue Engineering - Part C: Methods, 2017, 23, 274-285.	1.1	14
23	Silk fibroin based carrier system for delivery of fibrinogen and thrombin as coagulant supplements. Journal of Biomedical Materials Research - Part A, 2017, 105, 687-696.	2.1	16
24	Extracorporeal shockwave treatment: A novel tool to improve Schwann cell isolation and culture. Cytotherapy, 2016, 18, 760-770.	0.3	23
25	Systematic Comparison of Protocols for the Preparation of Human Articular Cartilage for Use as Scaffold Material in Cartilage Tissue Engineering. Tissue Engineering - Part C: Methods, 2016, 22, 1095-1107.	1.1	26
26	Covalent binding of placental derived proteins to silk fibroin improves schwann cell adhesion and proliferation. Journal of Materials Science: Materials in Medicine, 2016, 27, 188.	1.7	11
27	A Novel Silk Fiberâ€"Based Scaffold for Regeneration of the Anterior Cruciate Ligament. American Journal of Sports Medicine, 2016, 44, 1547-1557.	1.9	51
28	Regeneration of the anterior cruciate ligament: Current strategies in tissue engineering. World Journal of Orthopedics, 2015, 6, 127.	0.8	72
29	Phototherapy With LED Light Modulates Healing Processes in an In Vitro Scratch-Wound Model Using 3 Different Cell Types. Dermatologic Surgery, 2015, 41, 261-268.	0.4	47
30	Shock Wave Treatment Enhances Cell Proliferation and Improves Wound Healing by ATP Release-coupled Extracellular Signal-regulated Kinase (ERK) Activation. Journal of Biological Chemistry, 2014, 289, 27090-27104.	1.6	134
31	In toto differentiation of human amniotic membrane towards the Schwann cell lineage. Cell and Tissue Banking, 2014, 15, 227-239.	0.5	26
32	Enhanced cell adhesion on silk fibroin via lectin surface modification. Acta Biomaterialia, 2014, 10, 2506-2517.	4.1	38
33	Impact of mitochondria on nitrite metabolism in HL-1 cardiomyocytes. Frontiers in Physiology, 2013, 4, 101.	1.3	4