

# Andreas H Teuschl

## List of Publications by Year in descending order

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33  
papers

945  
citations

430442

18  
h-index

454577

30  
g-index

34  
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34  
docs citations

34  
times ranked

1551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced BMP-2-Mediated Bone Repair Using an Anisotropic Silk Fibroin Scaffold Coated with Bone-like Apatite. <i>International Journal of Molecular Sciences</i> , 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. <i>Polymers</i> , 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. <i>Materials Science and Engineering C</i> , 2021, 120, 111701.	3.8	72
4	Ligament Tissue Engineering: The Anterior Cruciate Ligament. <i>Reference Series in Biomedical Engineering</i> , 2021, , 489-506.	0.1	0
5	Advances in Laser Additive Manufacturing of Ti-Nb Alloys: From Nanostructured Powders to Bulk Objects. <i>Nanomaterials</i> , 2021, 11, 1159.	1.9	19
6	Quantification of radiotracer accumulation in a dynamic column-based 3D cell culture. <i>Nuclear Medicine and Biology</i> , 2021, 96-97, S14.	0.3	0
7	Novel Human Placenta-Based Extract for Vascularization Strategies in Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 616-632.	1.1	3
8	Riboflavin-mediated photooxidation to improve the characteristics of decellularized human arterial small diameter vascular grafts. <i>Acta Biomaterialia</i> , 2020, 116, 246-258.	4.1	19
9	Stiffness Matters: Fine-Tuned Hydrogel Elasticity Alters Chondrogenic Redifferentiation. <i>Frontiers in Bioengineering and Biotechnology</i> , 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. <i>American Journal of Sports Medicine</i> , 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. <i>PLoS ONE</i> , 2019, 14, e0220743.	1.1	25
13	Substantial Biomechanical Improvement by Extracorporeal Shockwave Therapy After Surgical Repair of Rodent Chronic Rotator Cuff Tears. <i>American Journal of Sports Medicine</i> , 2019, 47, 2158-2166.	1.9	15
14	Smart textiles in wound care: functionalization of cotton/PET blends with antimicrobial nanocapsules. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6592-6603.	2.9	23
15	Repopulation of an auricular cartilage scaffold, AuriScaff, perforated with an enzyme combination. <i>Acta Biomaterialia</i> , 2019, 86, 207-222.	4.1	27
16	Hydrogel composition and laser micropatterning to regulate sciatic nerve regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1049-1061.	1.3	11
17	Hydrostatic pressure-generated reactive oxygen species induce osteoarthritic conditions in cartilage pellet cultures. <i>Scientific Reports</i> , 2018, 8, 17010.	1.6	23
18	Systematic in vitro comparison of decellularization protocols for blood vessels. <i>PLoS ONE</i> , 2018, 13, e0209269.	1.1	73

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19	Structural insights into pH-responsive drug release of self-assembling human serum albumin-silk fibroin nanocapsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 176-187.	2.0	21
20	Human Placenta Laminin-111 as a Multifunctional Protein for Tissue Engineering and Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 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 in vivo performance. <i>Biomaterials</i> , 2018, 177, 14-26.	5.7	54
22	An Effective Method of Atelocollagen Type 1/3 Isolation from Human Placenta and Its In Vitro Characterization in Two-Dimensional and Three-Dimensional Cell Culture Applications. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 274-285.	1.1	14
23	Silk fibroin based carrier system for delivery of fibrinogen and thrombin as coagulant supplements. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 687-696.	2.1	16
24	Extracorporeal shockwave treatment: A novel tool to improve Schwann cell isolation and culture. <i>Cytotherapy</i> , 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. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 1095-1107.	1.1	26
26	Covalent binding of placental derived proteins to silk fibroin improves schwann cell adhesion and proliferation. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 188.	1.7	11
27	A Novel Silk Fiber-Based Scaffold for Regeneration of the Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2016, 44, 1547-1557.	1.9	51
28	Regeneration of the anterior cruciate ligament: Current strategies in tissue engineering. <i>World Journal of Orthopedics</i> , 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. <i>Dermatologic Surgery</i> , 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. <i>Journal of Biological Chemistry</i> , 2014, 289, 27090-27104.	1.6	134
31	In toto differentiation of human amniotic membrane towards the Schwann cell lineage. <i>Cell and Tissue Banking</i> , 2014, 15, 227-239.	0.5	26
32	Enhanced cell adhesion on silk fibroin via lectin surface modification. <i>Acta Biomaterialia</i> , 2014, 10, 2506-2517.	4.1	38
33	Impact of mitochondria on nitrite metabolism in HL-1 cardiomyocytes. <i>Frontiers in Physiology</i> , 2013, 4, 101.	1.3	4