

# Sylvia Nrnberger

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

1,281  
citations

20  
h-index

34  
g-index

56  
ext. papers

1,469  
ext. citations

5.1  
avg, IF

4.16  
L-index

#	Paper	IF	Citations
53	Improved biomechanics in experimental chronic rotator cuff repair after shockwaves is not reflected by bone microarchitecture.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262294	3.7	1
52	Engineering of Tracheal Grafts Based on Recellularization of Laser-Engraved Human Airway Cartilage Substrates.. <i>Cartilage</i> , <b>2022</b> , 13, 19476035221075951	3	1
51	Revisiting amino acid analyses for bioadhesives including a direct comparison of tick attachment cement ( <i>Dermacentor marginatus</i> ) and barnacle cement ( <i>Lepas anatifera</i> ). <i>International Journal of Adhesion and Adhesives</i> , <b>2021</b> , 105, 102798	3.4	3
50	Repopulation of decellularised articular cartilage by laser-based matrix engraving. <i>EBioMedicine</i> , <b>2021</b> , 64, 103196	8.8	5
49	The impact of photobiomodulation on the chondrogenic potential of adipose-derived stromal/stem cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2021</b> , 221, 112243	6.7	4
48	Stiffness Matters: Fine-Tuned Hydrogel Elasticity Alters Chondrogenic Redifferentiation. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 373	5.8	21
47	Disinfection of contaminated metal implants with an Er:YAG laser. <i>Journal of Orthopaedic Research</i> , <b>2020</b> , 38, 2464-2473	3.8	1
46	Iodine-Enhanced Micro-CT Imaging of Soft Tissue on the Example of Peripheral Nerve Regeneration. <i>Contrast Media and Molecular Imaging</i> , <b>2019</b> , 2019, 7483745	3.2	25
45	Recellularization of auricular cartilage via elastase-generated channels. <i>Biofabrication</i> , <b>2019</b> , 11, 035012	10.5	5
44	Adipose-tissue-derived therapeutic cells in their natural environment as an autologous cell therapy strategy: the microtissue-stromal vascular fraction. <i>European Cells and Materials</i> , <b>2019</b> , 37, 113-133	4.3	14
43	Repopulation of an auricular cartilage scaffold, AuriScaff, perforated with an enzyme combination. <i>Acta Biomaterialia</i> , <b>2019</b> , 86, 207-222	10.8	15
42	A Low Cost Implantation Model in the Rat That Allows a Spatial Assessment of Angiogenesis. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2018</b> , 6, 3	5.8	
41	Tick attachment cement—reviewing the mysteries of a biological skin plug system. <i>Biological Reviews</i> , <b>2018</b> , 93, 1056-1076	13.5	37
40	Hydrostatic pressure-generated reactive oxygen species induce osteoarthritic conditions in cartilage pellet cultures. <i>Scientific Reports</i> , <b>2018</b> , 8, 17010	4.9	13
39	Matrix Production Affects MRI Outcomes After Matrix-Associated Autologous Chondrocyte Transplantation in the Knee. <i>American Journal of Sports Medicine</i> , <b>2017</b> , 45, 2238-2246	6.8	5
38	Salamanders on the bench - A biocompatibility study of salamander skin secretions in cell cultures. <i>Toxicon</i> , <b>2017</b> , 135, 24-32	2.8	14
37	Behavior of human periodontal ligament cells on dentin surfaces ablated with an ultra-short pulsed laser. <i>Scientific Reports</i> , <b>2017</b> , 7, 12738	4.9	1

36	Neurofilament distribution in the superior labrum and the long head of the biceps tendon. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2017</b> , 12, 181	2.8	7
35	Giant crystals inside mitochondria of equine chondrocytes. <i>Histochemistry and Cell Biology</i> , <b>2017</b> , 147, 635-649	2.4	4
34	Decellularized human placenta chorion matrix as a favorable source of small-diameter vascular grafts. <i>Acta Biomaterialia</i> , <b>2016</b> , 29, 125-134	10.8	69
33	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> , <b>2016</b> , 22, 1095-1107	10.9	16
32	Comparison of Lentiviral Packaging Mixes and Producer Cell Lines for RNAi Applications. <i>Molecular Biotechnology</i> , <b>2015</b> , 57, 499-505	3	6
31	Effects of Prolyl Hydroxylase Inhibitor L-mimosine on Dental Pulp in the Presence of Advanced Glycation End Products. <i>Journal of Endodontics</i> , <b>2015</b> , 41, 1852-61	4.7	21
30	Relative Composition of Fibrous Connective and Fatty/Glandular Tissue in Connective Tissue Grafts Depends on the Harvesting Technique but not the Donor Site of the Hard Palate. <i>Journal of Periodontology</i> , <b>2015</b> , 86, 1331-9	4.6	25
29	Hybrid Tissue Engineering Scaffolds by Combination of Three-Dimensional Printing and Cell Photoencapsulation. <i>Journal of Nanotechnology in Engineering and Medicine</i> , <b>2015</b> , 6, 0210011-210017		45
28	L-mimosine increases the production of vascular endothelial growth factor in human tooth slice organ culture model. <i>International Endodontic Journal</i> , <b>2015</b> , 48, 252-60	5.4	21
27	Preparation and characterization of a decellularized cartilage scaffold for ear cartilage reconstruction. <i>Biomedical Materials (Bristol)</i> , <b>2015</b> , 10, 015010	3.5	61
26	Thromboelastometric and platelet responses to silk biomaterials. <i>Scientific Reports</i> , <b>2014</b> , 4, 4945	4.9	10
25	In toto differentiation of human amniotic membrane towards the Schwann cell lineage. <i>Cell and Tissue Banking</i> , <b>2014</b> , 15, 227-39	2.2	23
24	Influence of cell differentiation and IL-1 $\beta$ expression on clinical outcomes after matrix-associated chondrocyte transplantation. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 59-69	6.8	21
23	Intact human amniotic membrane differentiated towards the chondrogenic lineage. <i>Cell and Tissue Banking</i> , <b>2014</b> , 15, 213-25	2.2	13
22	Thrombin as important factor for cutaneous wound healing: comparison of fibrin biomatrices in vitro and in a rat excisional wound healing model. <i>Wound Repair and Regeneration</i> , <b>2014</b> , 22, 740-8	3.6	20
21	Electrospun poly(ester-Urethane)- and poly(ester-Urethane-Urea) fleeces as promising tissue engineering scaffolds for adipose-derived stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e90676	3.7	17
20	Recovery of fibrinogen concentrate after intraosseous application is equivalent to the intravenous route in a porcine model of hemodilution. <i>Journal of Trauma and Acute Care Surgery</i> , <b>2014</b> , 76, 1235-42	3.3	11
19	Influence of cryopreservation, cultivation time and patient age on gene expression in Hyalograft $\square$ C cartilage transplants. <i>International Orthopaedics</i> , <b>2013</b> , 37, 2297-303	3.8	3

18	A novel coagulation assay incorporating adherent endothelial cells in thromboelastometry. <i>Thrombosis and Haemostasis</i> , <b>2013</b> , 109, 869-77	7	19
17	Articular cartilage tissue regeneration—current research strategies and outlook for the future. <i>European Surgery - Acta Chirurgica Austriaca</i> , <b>2013</b> , 45, 142-153	0.9	3
16	Equine articular chondrocytes on MACT scaffolds for cartilage defect treatment. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , <b>2013</b> , 42, 332-43	1.1	6
15	Ferritin up-regulation and transient ROS production in cultured brain astrocytes after loading with iron oxide nanoparticles. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3832-9	10.8	66
14	Impairment of endoplasmic reticulum in liver as an early consequence of the systemic inflammatory response in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, G1373-83	5.1	13
13	High thrombin concentrations in fibrin sealants induce apoptosis in human keratinocytes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 1239-47	5.4	17
12	Uptake of dimercaptosuccinate-coated magnetic iron oxide nanoparticles by cultured brain astrocytes. <i>Nanotechnology</i> , <b>2011</b> , 22, 145101	3.4	69
11	Gene expression and cell differentiation in matrix-associated chondrocyte transplantation grafts: a comparative study. <i>Osteoarthritis and Cartilage</i> , <b>2011</b> , 19, 1219-27	6.2	53
10	The influence of scaffold architecture on chondrocyte distribution and behavior in matrix-associated chondrocyte transplantation grafts. <i>Biomaterials</i> , <b>2011</b> , 32, 1032-40	15.6	125
9	Thermoresponsive self-assembled elastin-based nanoparticles for delivery of BMPs. <i>Journal of Controlled Release</i> , <b>2010</b> , 142, 312-8	11.7	143
8	FGF-2 abolishes the chondrogenic effect of combined BMP-6 and TGF-beta in human adipose derived stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 94, 978-87	5.4	33
7	Advanced Biomaterials Accumulation of Citrate-Coated Magnetic Iron Oxide Nanoparticles by Cultured Brain Astrocytes. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, B690-B694	3.5	8
6	Silk fibroin microparticles as carriers for delivery of human recombinant BMPs. Physical characterization and drug release. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2010</b> , 4, 349-55	4.4	88
5	Properties and Potential Alternative Applications of Fibrin Glue <b>2010</b> , 237-259		6
4	Endotoxin causes functional endoplasmic reticulum failure, possibly mediated by mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2009</b> , 1792, 521-30	6.9	41
3	Scaffold-dependent differentiation of human articular chondrocytes. <i>International Journal of Molecular Medicine</i> , <b>2008</b> , 22, 691-9	4.4	21
2	Ultrastructural Insights into the World of Cartilage: Electron Microscopy of Articular Cartilage. <i>Osteosynthesis &amp; Trauma Care</i> , <b>2006</b> , 14, 168-180		5
1	Histological Aspects of Articular Cartilage. <i>Osteosynthesis &amp; Trauma Care</i> , <b>2006</b> , 14, 158-167		2

