

Willeke F Daamen

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

101
papers

3,107
citations

28
h-index

53
g-index

103
ext. papers

3,435
ext. citations

6.7
avg, IF

4.86
L-index

#	Paper	IF	Citations
101	Properties of different poultry skins sources in relation to co-extruded sausage casings. <i>Food Hydrocolloids</i> , 2022 , 125, 107434	10.6	0
100	Growth factor mimetics for skin regeneration: In vitro profiling of primary human fibroblasts and keratinocytes. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2100082	4.3	0
99	Abnormalities in reparative function of lung-derived mesenchymal stromal cells in emphysema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L832-L844	5.8	2
98	Sustained Postnatal Skin Regeneration Upon Prenatal Application of Functionalized Collagen Scaffolds. <i>Tissue Engineering - Part A</i> , 2021 , 27, 10-25	3.9	1
97	Evaluation and Refinement of Sample Preparation Methods for Extracellular Matrix Proteome Coverage. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100079	7.6	6
96	Polarized Secretion of APRIL by the Tonsil Epithelium Upon Toll-Like Receptor Stimulation. <i>Frontiers in Immunology</i> , 2021 , 12, 715724	8.4	
95	Construction and evaluation of an antibody phage display library targeting heparan sulfate. <i>Glycoconjugate Journal</i> , 2020 , 37, 445-455	3	1
94	Introduction of Specific 3D Micromorphologies in Collagen Scaffolds Using Odd and Even Dicarboxylic Acids. <i>ACS Omega</i> , 2020 , 5, 3908-3916	3.9	2
93	Innate glycosidic activity in metallic implants for localized synthesis of antibacterial drugs. <i>Chemical Communications</i> , 2019 , 55, 443-446	5.8	6
92	A versatile salt-based method to immobilize glycosaminoglycans and create growth factor gradients. <i>Glycoconjugate Journal</i> , 2019 , 36, 227-236	3	6
91	Muscle fibrosis in the soft palate: Delivery of cells, growth factors and anti-fibrotics. <i>Advanced Drug Delivery Reviews</i> , 2019 , 146, 60-76	18.5	12
90	Signaling pathways in elastic tissues. <i>Cellular Signalling</i> , 2019 , 63, 109364	4.9	9
89	Copper-Heparin Inhalation Therapy To Repair Emphysema: A Scientific Rationale. <i>International Journal of COPD</i> , 2019 , 14, 2587-2602	3	3
88	A salt-based method to adapt stiffness and biodegradability of porous collagen scaffolds.. <i>RSC Advances</i> , 2019 , 9, 36742-36750	3.7	
87	Chemotherapeutic drug delivery by tumoral extracellular matrix targeting. <i>Journal of Controlled Release</i> , 2018 , 274, 1-8	11.7	61
86	Self-expandable tubular collagen implants. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1494-1498	4.4	5
85	Bladder Regeneration Using Multiple Acellular Scaffolds with Growth Factors in a Bladder. <i>Tissue Engineering - Part A</i> , 2018 , 24, 11-20	3.9	17

84	Providing direction improves function: Comparison of a radial pore-orientated acellular collagen scaffold to clinical alternatives in a surgically induced rabbit diaphragmatic tissue defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 2138-2150	4.4	5
83	Dynamic Expression of Genes Involved in Proteoglycan/Glycosaminoglycan Metabolism during Skin Development. <i>BioMed Research International</i> , 2018 , 2018, 9873471	3	0
82	Novel tubular constructs for urinary diversion: a biocompatibility study in pigs. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2241-2249	4.4	10
81	Targeting the extracellular matrix of ovarian cancer using functionalized, drug loaded lyophilisomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 113, 229-239	5.7	18
80	The effect of a cyclic uniaxial strain on urinary bladder cells. <i>World Journal of Urology</i> , 2017 , 35, 1531-1539	4	9
79	Tubular collagen scaffolds with radial elasticity for hollow organ regeneration. <i>Acta Biomaterialia</i> , 2017 , 52, 1-8	10.8	28
78	Continuously Grooved Stent Struts for Enhanced Endothelial Cell Seeding. <i>CardioVascular and Interventional Radiology</i> , 2017 , 40, 1237-1245	2.7	2
77	Tissue Engineering of the Urethra: A Systematic Review and Meta-analysis of Preclinical and Clinical Studies. <i>European Urology</i> , 2017 , 72, 594-606	10.2	60
76	Evaluation of cultured human dermal- and dermo-epidermal substitutes focusing on extracellular matrix components: Comparison of protein and RNA analysis. <i>Burns</i> , 2017 , 43, 520-530	2.3	6
75	2.18 Elastin Biopolymers ? 2017 , 412-437		
74	Augmented cartilage regeneration by implantation of cellular versus acellular implants after bone marrow stimulation: a systematic review and meta-analysis of animal studies. <i>PeerJ</i> , 2017 , 5, e3927	3.1	9
73	Sequencing of glycosaminoglycans with potential to interrogate sequence-specific interactions. <i>Scientific Reports</i> , 2017 , 7, 14785	4.9	7
72	Unidirectional BMP2-loaded collagen scaffolds induce chondrogenic differentiation. <i>Biomedical Materials (Bristol)</i> , 2017 , 13, 015007	3.5	5
71	Bladder Regeneration Using a Smart Acellular Collagen Scaffold with Growth Factors VEGF, FGF2 and HB-EGF. <i>Tissue Engineering - Part A</i> , 2016 , 22, 83-92	3.9	18
70	Scaffolds for whole organ tissue engineering: Construction and in vitro evaluation of a seamless, spherical and hollow collagen bladder construct with appendices. <i>Acta Biomaterialia</i> , 2016 , 43, 112-121	10.8	14
69	Visualisation of newly synthesised collagen in vitro and in vivo. <i>Scientific Reports</i> , 2016 , 6, 18780	4.9	14
68	Impaired primary mouse myotube formation on crosslinked type I collagen films is enhanced by laminin and entactin. <i>Acta Biomaterialia</i> , 2016 , 30, 265-276	10.8	12
67	Improved cartilage regeneration by implantation of acellular biomaterials after bone marrow stimulation: a systematic review and meta-analysis of animal studies. <i>PeerJ</i> , 2016 , 4, e2243	3.1	25

66	Design of an elasticized collagen scaffold: A method to induce elasticity in a rigid protein. <i>Acta Biomaterialia</i> , 2016 , 44, 277-85	10.8	7
65	Towards embryonic-like scaffolds for skin tissue engineering: identification of effector molecules and construction of scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, E34-44	4.4	7
64	Versatile wedge-based system for the construction of unidirectional collagen scaffolds by directional freezing: practical and theoretical considerations. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8495-505	9.5	47
63	Vascular replacement using a layered elastin-collagen vascular graft in a porcine model: one week patency versus one month occlusion. <i>Organogenesis</i> , 2015 , 11, 105-21	1.7	36
62	Biodistribution of size-selected lyophilisomes in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 141-51	5.7	3
61	Directing collagen fibers using counter-rotating cone extrusion. <i>Acta Biomaterialia</i> , 2015 , 12, 113-121	10.8	27
60	Drug delivery systems for ovarian cancer treatment: a systematic review and meta-analysis of animal studies. <i>PeerJ</i> , 2015 , 3, e1489	3.1	17
59	Specific targeting of tumor cells by lyophilisomes functionalized with antibodies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 87, 80-9	5.7	10
58	Seamless vascularized large-diameter tubular collagen scaffolds reinforced with polymer knittings for esophageal regenerative medicine. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 423-30	2.9	16
57	Enhanced cellular uptake of albumin-based lyophilisomes when functionalized with cell-penetrating peptide TAT in HeLa cells. <i>PLoS ONE</i> , 2014 , 9, e110813	3.7	13
56	Collagen-Vicryl scaffolds for reconstruction of the diaphragm in a large animal model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 756-63	3.5	11
55	Similar hyaline-like cartilage repair of osteochondral defects in rabbits using isotropic and anisotropic collagen scaffolds. <i>Tissue Engineering - Part A</i> , 2014 , 20, 635-45	3.9	11
54	Tissue engineering of diseased bladder using a collagen scaffold in a bladder exstrophy model. <i>BJU International</i> , 2014 , 114, 447-57	5.6	20
53	Repair of surgically created diaphragmatic defect in rat with use of a crosslinked porous collagen scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 552-61	4.4	11
52	Evaluation of collagen/heparin coated TCP/HA granules for long-term delivery of BMP-2. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 325-32	4.5	29
51	Construction and in vivo evaluation of a dual layered collagenous scaffold with a radial pore structure for repair of the diaphragm. <i>Acta Biomaterialia</i> , 2013 , 9, 6844-51	10.8	26
50	Prenatal coverage of experimental gastroschisis with a collagen scaffold to protect the bowel. <i>Journal of Pediatric Surgery</i> , 2013 , 48, 516-24	2.6	10
49	Regenerative medicine for the respiratory system: distant future or tomorrow's treatment?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 468-75	10.2	18

48	Tissue engineering of diseased bladder using a collagen scaffold in a bladder exstrophy model. <i>BJU International</i> , 2013 , 114, n/a-n/a	5.6	5
47	Heparinized collagen scaffolds with and without growth factors for the repair of diaphragmatic hernia: construction and in vivo evaluation. <i>Organogenesis</i> , 2013 , 9, 161-7	1.7	15
46	Biological mechanisms influencing prosthetic bypass graft patency: possible targets for modern graft design. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012 , 43, 66-72	2.3	14
45	Lyophilisomes as a new generation of drug delivery capsules. <i>International Journal of Pharmaceutics</i> , 2012 , 439, 127-35	6.5	13
44	Tissue engineered tubular construct for urinary diversion in a preclinical porcine model. <i>Journal of Urology</i> , 2012 , 188, 653-60	2.5	33
43	Construction of a microstructured collagen membrane mimicking the papillary dermis architecture and guiding keratinocyte morphology and gene expression. <i>Macromolecular Bioscience</i> , 2012 , 12, 675-91	5.5	16
42	Improving the cell distribution in collagen-coated poly-caprolactone knittings. <i>Tissue Engineering - Part C: Methods</i> , 2012 , 18, 731-9	2.9	17
41	Extracellular MatrixBased Scaffolds from Scratch 2012 , 385-398		
40	Elastin Biopolymers 2011 , 329-346		3
39	An overview of methods for the in vivo evaluation of tissue-engineered skin constructs. <i>Tissue Engineering - Part B: Reviews</i> , 2011 , 17, 33-55	7.9	26
38	A comparison of seven methods to analyze heparin in biomaterials: quantification, location, and anticoagulant activity. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 669-76	2.9	6
37	Preparation of differently sized injectable collagen micro-scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, 665-7	4.4	5
36	Evaluation of methods for the construction of collagenous scaffolds with a radial pore structure for tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, 501-4	4.4	18
35	Design and in vivo evaluation of a molecularly defined acellular skin construct: reduction of early contraction and increase in early blood vessel formation. <i>Acta Biomaterialia</i> , 2011 , 7, 1063-71	10.8	19
34	Organ-specific tubular and collagen-based composite scaffolds. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 327-35	2.9	16
33	Interferon-loaded collagen scaffolds reduce myofibroblast numbers in rat palatal mucosa. <i>European Journal of Orthodontics</i> , 2011 , 33, 1-8	3.3	14
32	Urethral reconstruction of critical defects in rabbits using molecularly defined tubular type I collagen biomatrices: key issues in growth factor addition. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3319-28	3.9	46
31	An animal model for femoral artery pseudoaneurysms. <i>Journal of Vascular and Interventional Radiology</i> , 2010 , 21, 1078-83	2.4	5

30	Preparation and characterization of injectable fibrillar type I collagen and evaluation for pseudoaneurysm treatment in a pig model. <i>Journal of Vascular Surgery</i> , 2010 , 52, 1330-8	3.5	5
29	Cloning, large-scale production, and purification of active dimeric rat vascular endothelial growth factor (rrVEGF-164). <i>Protein Expression and Purification</i> , 2010 , 69, 76-82	2	5
28	Intra-uterine tissue engineering of full-thickness skin defects in a fetal sheep model. <i>Biomaterials</i> , 2010 , 31, 3910-9	15.6	33
27	Lyophilisomes: Potential carriers for tumor targeting. <i>Journal of Controlled Release</i> , 2010 , 148, e7-8	11.7	1
26	The osteogenic effect of electrosprayed nanoscale collagen/calcium phosphate coatings on titanium. <i>Biomaterials</i> , 2010 , 31, 2461-9	15.6	93
25	High density gene expression microarrays and gene ontology analysis for identifying processes in implanted tissue engineering constructs. <i>Biomaterials</i> , 2010 , 31, 8299-312	15.6	18
24	Controlled fabrication of triple layered and molecularly defined collagen/elastin vascular grafts resembling the native blood vessel. <i>Acta Biomaterialia</i> , 2010 , 6, 4666-74	10.8	49
23	Micro-computed tomographical imaging of soft biological materials using contrast techniques. <i>Tissue Engineering - Part C: Methods</i> , 2009 , 15, 493-9	2.9	37
22	FGF-2-loaded collagen scaffolds attract cells and blood vessels in rat oral mucosa. <i>Journal of Oral Pathology and Medicine</i> , 2009 , 38, 630-8	3.3	15
21	Microscale mechanical properties of single elastic fibers: the role of fibrillin-microfibrils. <i>Biomaterials</i> , 2009 , 30, 2425-32	15.6	34
20	A molecularly defined array based on native fibrillar collagen for the assessment of skin tissue engineering biomaterials. <i>Biomaterials</i> , 2009 , 30, 6213-20	15.6	32
19	Tissue reactions to collagen scaffolds in the oral mucosa and skin of rats: environmental and mechanical factors. <i>Archives of Oral Biology</i> , 2008 , 53, 376-87	2.8	25
18	A biomaterial composed of collagen and solubilized elastin enhances angiogenesis and elastic fiber formation without calcification. <i>Tissue Engineering - Part A</i> , 2008 , 14, 349-60	3.9	68
17	In vivo evaluation of human dental pulp stem cells differentiated towards multiple lineages. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2008 , 2, 117-25	4.4	74
16	Lyophilisomes—A New Type of (Bio)capsule. <i>Advanced Materials</i> , 2007 , 19, 673-677	24	42
15	Increased angiogenesis and blood vessel maturation in acellular collagen-heparin scaffolds containing both FGF2 and VEGF. <i>Biomaterials</i> , 2007 , 28, 1123-31	15.6	360
14	Elastin as a biomaterial for tissue engineering. <i>Biomaterials</i> , 2007 , 28, 4378-98	15.6	349
13	Construction of collagen scaffolds that mimic the three-dimensional architecture of specific tissues. <i>Tissue Engineering</i> , 2007 , 13, 2387-94		103

12	The performance of human dental pulp stem cells on different three-dimensional scaffold materials. <i>Biomaterials</i> , 2006 , 27, 5658-68	15.6	172
11	Depots of solubilised elastin promote the formation of blood vessels and elastic fibres in rat. <i>Journal of Controlled Release</i> , 2006 , 116, e84-5	11.7	7
10	Preparation of a growth factor gradient in porous collagen scaffolds and its effect on cell growth proliferation. <i>Journal of Controlled Release</i> , 2006 , 116, e87-8	11.7	
9	Increased angiogenesis in acellular scaffolds by combined release of FGF2 and VEGF. <i>Journal of Controlled Release</i> , 2006 , 116, e88-90	11.7	25
8	First steps towards tissue engineering of small-diameter blood vessels: preparation of flat scaffolds of collagen and elastin by means of freeze drying. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 77, 357-68	3.5	58
7	From molecules to matrix: construction and evaluation of molecularly defined bioscaffolds. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 585, 279-95	3.6	46
6	Tissue response of defined collagen-elastin scaffolds in young and adult rats with special attention to calcification. <i>Biomaterials</i> , 2005 , 26, 81-92	15.6	60
5	Tissue engineering of blood vessels: characterization of smooth-muscle cells for culturing on collagen-and-elastin-based scaffolds. <i>Biotechnology and Applied Biochemistry</i> , 2004 , 39, 141-9	2.8	92
4	Preparation and evaluation of molecularly-defined collagen-elastin-glycosaminoglycan scaffolds for tissue engineering. <i>Biomaterials</i> , 2003 , 24, 4001-9	15.6	173
3	Comparison of five procedures for the purification of insoluble elastin. <i>Biomaterials</i> , 2001 , 22, 1997-2005	5.6	88
2	beta-lactoglobulin hydrolysis. 2. Peptide identification, SH/SS exchange, and functional properties of hydrolysate fractions formed by the action of plasmin. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 2980-90	5.7	43
1	A Biomaterial Composed of Collagen and Solubilized Elastin Enhances Angiogenesis and Elastic Fiber Formation Without Calcification. <i>Tissue Engineering</i> , 110306233438005		