

Benedikt Weber

List of Publications by Year in descending order

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87
papers

2,639
citations

201385

27
h-index

197535

49
g-index

92
all docs

92
docs citations

92
times ranked

3370
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimally-Invasive Implantation of Living Tissue Engineered Heart Valves. <i>Journal of the American College of Cardiology</i> , 2010, 56, 510-520.	1.2	213
2	Off-the-shelf human decellularized tissue-engineered heart valves in a non-human primate model. <i>Biomaterials</i> , 2013, 34, 7269-7280.	5.7	173
3	Transcatheter Implantation of Homologous "Off-the-Shelf" Tissue-Engineered Heart Valves With Self-Repair Capacity. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1320-1329.	1.2	170
4	Proteomic analysis of human mesenchymal stromal cell secretomes: a systematic comparison of the angiogenic potential. <i>Npj Regenerative Medicine</i> , 2019, 4, 8.	2.5	136
5	Injectable living marrow stromal cell-based autologous tissue engineered heart valves: first experiences with a one-step intervention in primates. <i>European Heart Journal</i> , 2011, 32, 2830-2840.	1.0	124
6	Fibroblast activation protein is induced by inflammation and degrades type I collagen in thin-cap fibroatheromata. <i>European Heart Journal</i> , 2011, 32, 2713-2722.	1.0	112
7	Optical imaging of the spatiotemporal dynamics of cerebral blood flow and oxidative metabolism in the rat barrel cortex. <i>European Journal of Neuroscience</i> , 2004, 20, 2664-2670.	1.2	98
8	JetValve: Rapid manufacturing of biohybrid scaffolds for biomimetic heart valve replacement. <i>Biomaterials</i> , 2017, 133, 229-241.	5.7	95
9	Global trends in clinical trials involving pluripotent stem cells: a systematic multi-database analysis. <i>Npj Regenerative Medicine</i> , 2020, 5, 15.	2.5	94
10	Attention and Interhemispheric Transfer: A Behavioral and fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 113-123.	1.1	91
11	Prenatally engineered autologous amniotic fluid stem cell-based heart valves in the fetal circulation. <i>Biomaterials</i> , 2012, 33, 4031-4043.	5.7	76
12	Tissue engineering on matrix: future of autologous tissue replacement. <i>Seminars in Immunopathology</i> , 2011, 33, 307-315.	2.8	75
13	Human stem cell-based three-dimensional microtissues for advanced cardiac cell therapies. <i>Biomaterials</i> , 2013, 34, 6339-6354.	5.7	70
14	A Three-Dimensional Engineered Artery Model for In Vitro Atherosclerosis Research. <i>PLoS ONE</i> , 2013, 8, e79821.	1.1	69
15	Stem Cell-Based Transcatheter Aortic Valve Implantation. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 874-883.	1.1	66
16	Neuronal Complexity Loss in Interictal EEG Recorded with Foramen Ovale Electrodes Predicts Side of Primary Epileptogenic Area in Temporal Lobe Epilepsy: A Replication Study. <i>Epilepsia</i> , 1998, 39, 922-927.	2.6	52
17	Prenatally harvested cells for cardiovascular tissue engineering: Fabrication of autologous implants prior to birth. <i>Placenta</i> , 2011, 32, S316-S319.	0.7	52
18	Transcatheter aortic valve implantation using anatomically oriented, marrow stromal cell-based, stented, tissue-engineered heart valves: technical considerations and implications for translational cell-based heart valve concepts. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, 61-68.	0.6	50

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19	Transapical Aortic Implantation of Autologous Marrow Stromal Cell-Based Tissue-Engineered Heart Valves. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 822-823.	1.1	47
20	EH-myomesin splice isoform is a novel marker for dilated cardiomyopathy. <i>Basic Research in Cardiology</i> , 2011, 106, 233-247.	2.5	46
21	Stem cells for heart valve regeneration. <i>Swiss Medical Weekly</i> , 2012, 142, w13622.	0.8	35
22	Interventional Closure of Secundum Type Atrial Septal Defects in Infants Less Than 10 Kilograms: Indications and Procedural Outcome. <i>Journal of Interventional Cardiology</i> , 2016, 29, 646-653.	0.5	34
23	Tissue-engineered vascular graft remodeling in a growing lamb model: expression of matrix metalloproteinases. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 41, 167-72.	0.6	33
24	Autologous endothelialized small-caliber vascular grafts engineered from blood-derived induced pluripotent stem cells. <i>Acta Biomaterialia</i> , 2019, 97, 333-343.	4.1	32
25	White Matter Glucose Metabolism during Intracortical Electrostimulation: A Quantitative [18F]Fluorodeoxyglucose Autoradiography Study in the Rat. <i>NeuroImage</i> , 2002, 16, 993-998.	2.1	31
26	Non-integrating episomal plasmid-based reprogramming of human amniotic fluid stem cells into induced pluripotent stem cells in chemically defined conditions. <i>Cell Cycle</i> , 2016, 15, 234-249.	1.3	31
27	Drug-induced photosensitivity: culprit drugs, potential mechanisms and clinical consequences. <i>JDDG - Journal of the German Society of Dermatology</i> , 2021, 19, 19-29.	0.4	31
28	Safety and efficacy of cardiopoietic stem cells in the treatment of post-infarction left-ventricular dysfunction – From cardioprotection to functional repair in a translational pig infarction model. <i>Biomaterials</i> , 2017, 122, 48-62.	5.7	28
29	Sixteen novel mutations in <i>PNPLA1</i> in patients with autosomal recessive congenital ichthyosis reveal the importance of an extended patatin domain in <i>PNPLA1</i> that is essential for proper human skin barrier function. <i>British Journal of Dermatology</i> , 2017, 177, 445-455.	1.4	27
30	<i>In vitro</i> fabrication of autologous living tissue-engineered vascular grafts based on prenatally harvested ovine amniotic fluid-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 52-70.	1.3	26
31	Biofabricating atherosclerotic plaques: <i>In vitro</i> engineering of a three-dimensional human fibroatheroma model. <i>Biomaterials</i> , 2018, 150, 49-59.	5.7	26
32	Intramyocardial Transplantation and Tracking of Human Mesenchymal Stem Cells in a Novel Intra-Uterine Pre-Immune Fetal Sheep Myocardial Infarction Model: A Proof of Concept Study. <i>PLoS ONE</i> , 2013, 8, e57759.	1.1	23
33	Distinct interferon- γ and interleukin-9 expression in cutaneous and oral lichen planus. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2017, 31, 880-886.	1.3	23
34	Bioengineered living cardiac and venous valve replacements: current status and future prospects. <i>Cardiovascular Pathology</i> , 2016, 25, 300-305.	0.7	20
35	Comparative analysis of poly-glycolic acid-based hybrid polymer starter matrices for <i>in vitro</i> tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 203-212.	2.5	20
36	Engineering of living autologous human umbilical cord cell-based septal occluder membranes using composite PGA-P4HB matrices. <i>Biomaterials</i> , 2011, 32, 9630-9641.	5.7	19

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37	Functionality, growth and accelerated aging of tissue engineered living autologous vascular grafts. <i>Biomaterials</i> , 2012, 33, 8277-8285.	5.7	19
38	Prenatal Diagnosis of Apert Syndrome with Cloverleaf Skull Deformity Using Ultrasound, Fetal Magnetic Resonance Imaging and Genetic Analysis. <i>Fetal Diagnosis and Therapy</i> , 2010, 27, 51-56.	0.6	18
39	CardioPulse Articles. <i>European Heart Journal</i> , 2015, 36, 325-332.	1.0	17
40	The frequency of photosensitizing drug dispensings in Austria and Germany: a correlation with their photosensitizing potential based on published literature. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 589-600.	1.3	16
41	Incidence of perinatal complications in children with premature craniosynostosis. <i>Journal of Perinatal Medicine</i> , 2010, 38, 319-25.	0.6	15
42	Living-Engineered Valves for Transcatheter Venous Valve Repair. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 451-463.	1.1	14
43	Transcatheter tissue engineered heart valves. <i>Expert Review of Medical Devices</i> , 2014, 11, 15-21.	1.4	12
44	Correlation of Vascular Endothelial Growth Factor subtypes and their receptors with melanoma progression: A next-generation Tissue Microarray (ngTMA) automated analysis. <i>PLoS ONE</i> , 2018, 13, e0207019.	1.1	10
45	Euphorbia myrsinites Sap-Induced Phytodermatitis: A Prototype of Irritant Contact Dermatitis?. <i>Dermatitis</i> , 2019, 30, 155-161.	0.8	9
46	Localization mapping of arteriosclerotic ulcers of Martorell using two-dimensional computational rendering reveals a predominant location on the mid-lateral lower leg. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2021, 35, e40-e42.	1.3	8
47	Phosphorylated cingulin localises GEF-H1 at tight junctions to protect vascular barriers in blood endothelial cells. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
48	Raynaud's Phenomenon after COVID-19 Vaccination: Causative Association, Temporal Connection, or Mere Bystander?. <i>Case Reports in Dermatology</i> , 2022, 13, 450-456.	0.3	8
49	Comparative analysis of endovenous laser ablation versus ultrasound-guided foam sclerotherapy for the treatment of venous leg ulcers. <i>Dermatologic Therapy</i> , 2022, 35, e15322.	0.8	8
50	25-Hydroxyvitamin-D3 serum modulation after use of sunbeds compliant with European Union standards: A randomized open observational controlled trial. <i>Journal of the American Academy of Dermatology</i> , 2017, 77, 48-54.	0.6	7
51	Efficacy of In Vivo Electroporation-Mediated IL-10 Gene Delivery on Survival of Skin Flaps. <i>Journal of Membrane Biology</i> , 2018, 251, 211-219.	1.0	7
52	Serum levels of folate, 25-hydroxyvitamin D3 and cobalamin during UVB phototherapy: findings in a large prospective trial. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 385-391.	1.3	7
53	Cardiovascular Regenerative Technologies: Update and Future Outlook. <i>Transfusion Medicine and Hemotherapy</i> , 2016, 43, 291-296.	0.7	6
54	Apremilast for extensive and treatment-resistant alopecia areata: a retrospective analysis of five patients. <i>European Journal of Dermatology</i> , 2020, 30, 165-168.	0.3	6

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55	Topically administered purified clinoptilolite- κ -cuff for the treatment of cutaneous wounds: A prospective, randomised phase I clinical trial. <i>Wound Repair and Regeneration</i> , 2022, , .	1.5	6
56	Microstructural comparative analysis of calcification patterns in calciphylaxis versus arteriosclerotic ulcer of Martorell. <i>European Journal of Dermatology</i> , 2021, 31, 705-711.	0.3	6
57	Severe traumatic tricuspid insufficiency detected 10 years after blunt chest trauma. <i>Clinical Research in Cardiology</i> , 2011, 100, 177-179.	1.5	5
58	Fetal trans-apical stent delivery into the pulmonary artery: prospects for prenatal heart-valve implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 398-403.	0.6	5
59	Tricuspid valve replacement: results of an orphan procedure - which is the best prosthesis?. <i>Journal of Cardiovascular Surgery</i> , 2018, 59, 626-632.	0.3	5
60	Impressive Combination of Multiple Sinus Valsalvae and Coronary Aneurysms Due to Hypereosinophilic Syndrome. <i>Annals of Thoracic Surgery</i> , 2010, 90, e77.	0.7	4
61	Amniotic Fluid Cells Show Higher Pluripotency-Related Gene Expression Than Allantoic Fluid Cells. <i>Stem Cells and Development</i> , 2017, 26, 1424-1437.	1.1	4
62	Treatment of sporadic port-wine stains: a retrospective review of 17 cases consecutively treated by pulsed sequential dual wavelength 595 and 1064 nm laser. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2017, 31, 557-563.	1.3	4
63	Puncturing of lyophilized tissue engineered vascular matrices enhances the efficiency of their recellularization. <i>Acta Biomaterialia</i> , 2018, 71, 474-485.	4.1	4
64	Induced pluripotent stem cells derived from human amnion in chemically defined conditions. <i>Cell Cycle</i> , 2018, 17, 330-347.	1.3	4
65	Effectiveness of narrowband UVB phototherapy and psoralen plus UVA photochemotherapy in the treatment of generalized lichen planus: <i>Results from a large retrospective analysis and an update of the literature</i> . <i>Photodermatology Photoimmunology and Photomedicine</i> , 2022, 38, 104-111.	0.7	4
66	Raman spectroscopy reveals collagen and phospholipids as major components of hyalinosis in the arteriosclerotic ulcer of Martorell. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2021, 35, 2308-2316.	1.3	4
67	PGA (polyglycolic acid)-P4HB (poly-4-hydroxybutyrate)-Based Bioengineered Valves in the Rat Aortic Circulation. <i>Journal of Heart Valve Disease</i> , 2016, 25, 380-388.	0.5	4
68	Effects of small pulsed nanocurrents on cell viability in vitro and in vivo: Implications for biomedical electrodes. <i>Biomaterials</i> , 2010, 31, 8666-8673.	5.7	3
69	Impressive left ventricular pseudoaneurysm mimicking a pericardial tamponade 5 years after mitral valve replacement for endocarditis. <i>European Heart Journal</i> , 2011, 32, 1820-1820.	1.0	3
70	Delayed Two-Step Free Wall Rupture of the Right and Left Ventricular Wall after Myocardial Infarction. <i>Thoracic and Cardiovascular Surgeon</i> , 2011, 59, 248-250.	0.4	3
71	Hemodynamic Assessment of a Murine Heterotopic Biventricularly Loaded Cardiac Transplant in vivo Model. <i>European Surgical Research</i> , 2016, 57, 171-185.	0.6	3
72	Bioengineered valves for the venous circulation. <i>Expert Review of Medical Devices</i> , 2016, 13, 1005-1011.	1.4	3

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73	Detailed Analysis of a Series of Explanted Talent AAA Stent-Grafts: Biofunctionality Assessment. Journal of Long-Term Effects of Medical Implants, 2011, 21, 299-319.	0.2	3
74	The future of heart valve replacement. European Heart Journal, 2015, 36, 326-8.	1.0	3
75	PRE-ICTAL CHANGES AND EEG ANALYSES WITHIN THE FRAMEWORK OF LYAPUNOV THEORY. , 2000, , .		2
76	A polymorphic DNA marker at the D8S131 locus. Nucleic Acids Research, 1991, 19, 1725.	6.5	2
77	Human Bioengineered Artery Models for <i>In Vitro</i> Atherosclerosis Research: Fact or Fiction?. ATLA Alternatives To Laboratory Animals, 2014, 42, P28-P32.	0.7	1
78	Reprogramming Primary Amniotic Fluid and Membrane Cells to Pluripotency in Xeno-free Conditions. Journal of Visualized Experiments, 2017, , .	0.2	1
79	OC12.03: Premature craniosynostoses are underdiagnosed and underestimated pathologies in obstetrical ultrasound: prenatal diagnosis and incidence of peripartal complications. Ultrasound in Obstetrics and Gynecology, 2009, 34, 22-22.	0.9	0
80	Gestational Age-Dependent Fetal Fluid Dynamics in the Ovine Developmental Model: Establishment of Surrogate Markers for the Differentiation of Stem Cell Origin. Cells Tissues Organs, 2018, 206, 208-217.	1.3	0
81	Induced pluripotent stem cells for vascular tissue engineering. , 2021, , 77-97.		0
82	Marrow Stromal Cell based Stem Cell Based Transcatheter Aortic Valve Implantation: First Experiences in a Preclinical Model. , 2012, , .		0
83	Biobanking and Cryopreservation of Obstetrical Cell Sources for Cardiovascular Tissue Engineering: Implications for Future Therapies. , 2013, , 423-436.		0
84	Amniotic Fluid-Derived Cells: An Autologous Cell Source for Cardiovascular Tissue Engineering. , 2014, , 99-105.		0
85	Cardiovascular Tissue Engineering: Polymeric Starter Matrices for. , 0, , 1-25.		0
86	A polymorphic DNA marker at the D10S106 locus. Nucleic Acids Research, 1991, 19, 1725.	6.5	0
87	Ä-GDV Preisträger stellen sich vor: Der Versorgungsforschungspreis der Ä-GDV 2020 geht an Christine Prodingler und Benedikt Weber. JDDG - Journal of the German Society of Dermatology, 2021, 19, 1704-1705.	0.4	0