

Marcel Jakob

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10195007/publications.pdf>

Version: 2024-02-01

57
papers

4,190
citations

236925

25
h-index

161849

54
g-index

59
all docs

59
docs citations

59
times ranked

4475
citing authors

#	ARTICLE	IF	CITATIONS
1	Healthcare provider profiling: fixing observation period or fixing sample size?. <i>BMJ Open Quality</i> , 2022, 11, e001588.	1.1	0
2	In Vitro and Ectopic In Vivo Studies toward the Utilization of Rapidly Isolated Human Nasal Chondrocytes for Single-Stage Arthroscopic Cartilage Regeneration Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6900.	4.1	0
3	Engineered nasal cartilage for the repair of osteoarthritic knee cartilage defects. <i>Science Translational Medicine</i> , 2021, 13, eaaz4499.	12.4	22
4	Mid-term results of minimally invasive deltoid-split versus standard open deltopectoral approach for PHILLOSâ„¢ (proximal humeral internal locking system) osteosynthesis in proximal humeral fractures. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 825-834.	1.7	11
5	Intra-individual comparison of human nasal chondrocytes and debrided knee chondrocytes: Relevance for engineering autologous cartilage grafts. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 67-78.	1.7	20
6	Kinesiotaping for postoperative oedema â€œ what is the evidence? A systematic review. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 14.	1.7	20
7	High rate of maintaining self-dependence and low complication rate with a new treatment algorithm for proximal humeral fractures in the elderly population. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1127-1135.	2.6	5
8	The association of surgical drains with surgical site infections â€œ A prospective observational study. <i>American Journal of Surgery</i> , 2019, 217, 17-23.	1.8	32
9	Routine patient surveys: Patientsâ€™ preferences and information gained by healthcare providers. <i>PLoS ONE</i> , 2019, 14, e0220495.	2.5	8
10	<p>Handling of informed consent and patient inclusion in research with geriatric trauma patients – a matter of protection or disrespect?</p>. <i>Clinical Interventions in Aging</i> , 2019, Volume 14, 321-334.	2.9	11
11	Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome. <i>Heart</i> , 2019, 105, 826-833.	2.9	11
12	Tissue engineering for paediatric patients. <i>Swiss Medical Weekly</i> , 2019, 149, w20032.	1.6	7
13	From Tissue Engineering to Regenerative Surgery. <i>EBioMedicine</i> , 2018, 28, 11-12.	6.1	9
14	Minimally invasive anterior muscle-sparing versus a transgluteal approach for hemiarthroplasty in femoral neck fractures-a prospective randomised controlled trial including 190 elderly patients. <i>BMC Geriatrics</i> , 2018, 18, 222.	2.7	12
15	Rationale and methods of an observational study to support the design of a nationwide surgical registry: the MIDAS study. <i>Swiss Medical Weekly</i> , 2018, 148, w14680.	1.6	1
16	Expansion of Bone Marrow Mesenchymal Stromal Cells in Perfused 3D Ceramic Scaffolds Enhances In Vivo Bone Formation. <i>Biotechnology Journal</i> , 2017, 12, 1700071.	3.5	11
17	Rivaroxaban for Thromboprophylaxis After Nonelective Orthopedic Trauma Surgery in Switzerland. <i>Orthopedics</i> , 2017, 40, 109-116.	1.1	10
18	Notochordal cell conditioned medium enhances the cartilage matrix production and reduces catabolism by human articular chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2016, 24, S169.	1.3	1

#	ARTICLE	IF	CITATIONS
19	The Penrod score: a prognostic instrument to balance an increasing geriatric fracture caseload with diminishing health care resources?. Archives of Orthopaedic and Trauma Surgery, 2016, 136, 1099-1106.	2.4	2
20	Implantation of Stromal Vascular Fraction Progenitors at Bone Fracture Sites: From a Rat Model to a First-in-Man Study. Stem Cells, 2016, 34, 2956-2966.	3.2	63
21	Regenerative Potential of Tissue-Engineered Nasal Chondrocytes in Goat Articular Cartilage Defects. Tissue Engineering - Part A, 2016, 22, 1286-1295.	3.1	34
22	Nasal chondrocyte-based engineered autologous cartilage tissue for repair of articular cartilage defects: an observational first-in-human trial. Lancet, The, 2016, 388, 1985-1994.	13.7	214
23	Notochordal cell conditioned medium (NCCM) regenerates end-stage human osteoarthritic articular chondrocytes and promotes a healthy phenotype. Arthritis Research and Therapy, 2016, 18, 125.	3.5	13
24	Generation and characterization of osteochondral grafts with human nasal chondrocytes. Journal of Orthopaedic Research, 2015, 33, 1111-1119.	2.3	12
25	Use of peripheral blocks and tourniquets in foot surgery: A survey of Australian orthopaedic foot and ankle surgeons. Foot and Ankle Surgery, 2015, 21, 282-285.	1.7	2
26	Displaced trochanteric fragments lead to poor functional outcome in pertrochanteric fractures treated by cephalomedullary nails. Injury, 2015, 46, 2384-2388.	1.7	12
27	The triceps reflecting approach (Bryan-Morrey) for distal humerus fracture osteosynthesis. BMC Musculoskeletal Disorders, 2014, 15, 406.	1.9	16
28	Adult human neural crest-derived cells for articular cartilage repair. Science Translational Medicine, 2014, 6, 251ra119.	12.4	108
29	Orthogeriatric care pathway: a prospective survey of impact on length of stay, mortality and institutionalisation. Archives of Orthopaedic and Trauma Surgery, 2014, 134, 1261-1269.	2.4	78
30	Engineered autologous cartilage tissue for nasal reconstruction after tumour resection: an observational first-in-human trial. Lancet, The, 2014, 384, 337-346.	13.7	163
31	Pubic rami fractures in the elderly – a neglected injury?. Swiss Medical Weekly, 2013, 143, w13859.	1.6	42
32	Perspective on the Evolution of Cell-Based Bone Tissue Engineering Strategies. European Surgical Research, 2012, 49, 1-7.	1.3	38
33	Interleukin-1 β modulates endochondral ossification by human adult bone marrow stromal cells. , 2012, 24, 224-236.		68
34	Intraoperative engineering of osteogenic grafts combining freshly harvested, human adipose-derived cells and physiological doses of bone morphogenetic protein-2. , 2012, 24, 308-319.		54
35	Autologous Tissue-engineered Osteochondral Graft for Talus Osteochondral Lesions. Techniques in Foot and Ankle Surgery, 2011, 10, 163-168.	0.2	2
36	Are ankle chondrocytes from damaged fragments a suitable cell source for cartilage repair?. Osteoarthritis and Cartilage, 2010, 18, 1067-1076.	1.3	18

#	ARTICLE	IF	CITATIONS
37	Engineering human cell-based, functionally integrated osteochondral grafts by biological bonding of engineered cartilage tissues to bony scaffolds. <i>Biomaterials</i> , 2010, 31, 2252-2259.	11.4	59
38	Towards an intraoperative engineering of osteogenic and vasculogenic grafts from the stromal vascular fraction of human adipose tissue. , 2010, 19, 127-135.		100
39	Intra-individual comparison of human ankle and knee chondrocytes in vitro: relevance for talar cartilage repair. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 489-496.	1.3	19
40	Radiographic evaluation of frontal talar edge configuration for osteochondral plug transplantation. <i>Clinical Anatomy</i> , 2009, 22, 261-266.	2.7	13
41	A novel implantation technique for engineered osteo-chondral grafts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1377-1383.	4.2	13
42	Engineered cartilage generated by nasal chondrocytes is responsive to physical forces resembling joint loading. <i>Arthritis and Rheumatism</i> , 2008, 58, 197-208.	6.7	105
43	Three-Dimensional Cell Culture and Tissue Engineering in a T-CUP (Tissue Culture Under Perfusion). <i>Tissue Engineering</i> , 2007, 13, 2021-2028.	4.6	72
44	Osteochondral tissue engineering. <i>Journal of Biomechanics</i> , 2007, 40, 750-765.	2.1	330
45	Differential cartilaginous tissue formation by human synovial membrane, fat pad, meniscus cells and articular chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 48-58.	1.3	89
46	Use of hydrodynamic forces to engineer cartilaginous tissues resembling the non-uniform structure and function of meniscus. <i>Biomaterials</i> , 2006, 27, 5927-5934.	11.4	49
47	Differentiation-Dependent Up-Regulation of BMP-2, TGF- β 1, and VEGF Expression by FGF-2 in Human Bone Marrow Stromal Cells. <i>Plastic and Reconstructive Surgery</i> , 2005, 116, 1379-1386.	1.4	24
48	Structural characterization and reliable biomechanical assessment of integrative cartilage repair. <i>Journal of Biomechanics</i> , 2005, 38, 1846-1854.	2.1	57
49	Three-Dimensional Perfusion Culture of Human Bone Marrow Cells and Generation of Osteoinductive Grafts. <i>Stem Cells</i> , 2005, 23, 1066-1072.	3.2	182
50	Bioreactor-based engineering of osteochondral grafts: from model systems to tissue manufacturing. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 489-494.	2.2	86
51	Oscillating perfusion of cell suspensions through three-dimensional scaffolds enhances cell seeding efficiency and uniformity. <i>Biotechnology and Bioengineering</i> , 2003, 84, 205-214.	3.3	394
52	Dynamic compression of cartilage constructs engineered from expanded human articular chondrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 580-588.	2.1	159
53	Enzymatic Digestion of Adult Human Articular Cartilage Yields a Small Fraction of the Total Available Cells. <i>Connective Tissue Research</i> , 2003, 44, 173-180.	2.3	69
54	Three-Dimensional Tissue Engineering of Hyaline Cartilage: Comparison of Adult Nasal and Articular Chondrocytes. <i>Tissue Engineering</i> , 2002, 8, 817-826.	4.6	206

#	ARTICLE	IF	CITATIONS
55	Real-time quantitative RT-PCR analysis of human bone marrow stromal cells during osteogenic differentiation in vitro. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 737-746.	2.6	317
56	Specific growth factors during the expansion and redifferentiation of adult human articular chondrocytes enhance chondrogenesis and cartilaginous tissue formation in vitro. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 368-377.	2.6	395
57	Quantitative analysis of gene expression in human articular cartilage from normal and osteoarthritic joints. <i>Osteoarthritis and Cartilage</i> , 2001, 9, 112-118.	1.3	319