Rolf Zehbe

List of Publications by Year
in descending order

32 papers	692 citations	623734 14 h-index	552781 26 g-index
33 all docs	33 docs citations	33 times ranked	1161 citing authors

#	Article	IF	Citations
1	Current Strategies and Future Perspectives for Intraperitoneal Adhesion Prevention. Journal of Gastrointestinal Surgery, 2012, 16, 1256-1274.	1.7	118
2	Going beyond histology. Synchrotron micro-computed tomography as a methodology for biological tissue characterization: from tissue morphology to individual cells. Journal of the Royal Society Interface, 2010, 7, 49-59.	3.4	80
3	Biodegradable insulin-loaded PLGA microspheres fabricated by three different emulsification techniques: Investigation for cartilage tissue engineering. Acta Biomaterialia, 2011, 7, 1485-1495.	8.3	79
4	A polymer analogous reaction for the formation of imidazolium and NHC based porous polymer networks. Polymer Chemistry, 2013, 4, 1848.	3.9	70
5	Characterization and mechanical properties investigation of the cellulose/gypsum composite. Journal of Composite Materials, 2016, 50, 657-672.	2.4	51
6	Emulsion-based synthesis of PLGA-microspheres for the in vitro expansion of porcine chondrocytes. New Biotechnology, 2007, 24, 515-520.	2.7	39
7	Imaging of articular cartilage â€“ Data matching using X-ray tomography, SEM, FIB slicing and conventional histology. Micron, 2012, 43, 1060-1067.	2.2	30
8	Three-dimensional visualization of in vitro cultivated chondrocytes inside porous gelatine scaffolds: A tomographic approach. Acta Biomaterialia, 2010, 6, 2097-2107.	8.3	29
9	From 2D slices to 3D volumes: Image based reconstruction and morphological characterization of hippocampal cells on charged and uncharged surfaces using FIB/SEM serial sectioning. Ultramicroscopy, 2011, 111, 259-266.	1.9	26
10	Stability of prostaglandin E2 (PGE2) embedded in poly-d,l-lactide-co-glycolide microspheres: a pre-conditioning approach for tissue engineering applications. Journal of Materials Science: Materials in Medicine, 2009, 20, 1357-1365.	3.6	20
11	Immobilization and controlled release of prostaglandin E₂ from polyâ€<scp>L</scp>â€lactideâ€coâ€glycolide microspheres. Journal of Biomedical Materials Research - Part A, 2009, 91A, 454-462.	4.0	19
12	Characterization of oriented protein-ceramic and protein-polymer-composites for cartilage tissue engineering using synchrotron Î¼-CT. International Journal of Materials Research, 2007, 98, 562-568.	0.3	17
13	Phenotypic redifferentiation and cell cluster formation of cultured human articular chondrocytes in a threeâ€dimensional oriented gelatin scaffold in the presence of PGE₂ â€first results of a pilot study. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2374-2382.	4.0	16
14	Electrophoretic deposition of multilayered (cubic and tetragonal stabilized) zirconia ceramics for adapted crack deflection. Journal of the European Ceramic Society, 2016, 36, 357-364.	5.7	16
15	A method to screen and evaluate tissue adhesives for joint repair applications. BMC Musculoskeletal Disorders, 2012, 13, 175.	1.9	15
16	Tetragonal and Cubic Zirconia Multilayered Ceramic Constructs Created by EPD. Journal of Physical Chemistry B, 2013, 117, 1694-1701.	2.6	15
17	Anodic cell-protein deposition on inverse inkjet printed micro structured gold surfaces. Biosensors and Bioelectronics, 2007, 22, 1493-1500.	10.1	10
18	Strontium doped poly-Îµ-caprolactone composite scaffolds made by reactive foaming. Materials Science and Engineering C, 2016, 67, 259-266.	7.3	9

#	Article	IF	Citations
19	Inverse inkjet printed gold micro electrodes for the structured deposition of epithelial cells and fibrin. New Biotechnology, 2007, 24, 537-542.	2.7	7
20	Oriented Collagen-Based/Hydroxyapatite Matrices for Articular Cartilage Replacement. Key Engineering Materials, 2003, 254-256, 1083-1086.	0.4	5
21	Synchrotron ÂµCT Investigation of the Collapsing Pore-Network of Gelatin Scaffolds under Compression. Advanced Materials Research, 0, 89-91, 551-555.	0.3	4
22	Biocompatible hollow-strut, silica enriched zirconia foams. Bio-Medical Materials and Engineering, 2017, 27, 647-656.	0.6	3
23	Multilayered Ceramic Constructs Created by EPD. Key Engineering Materials, 0, 654, 122-126.	0.4	2
24	Innovative Perspektiven fÃ¼r das Tissue Engineering zur Therapie von Gelenkknorpeldefekten. BIOmaterialien: Offizielles Organ Der Deutschen Gesellschaft Fuer Biomaterialien, 2006, 7, .	0.1	1
25	Tomographic and Topographic Investigation of Poly-D,L-Lactide-Co-Glycolide Microspheres Loaded with Prostaglandine E₂ for Extended Drug Release Applications. Advanced Materials Research, 0, 89-91, 687-691.	0.3	1
26	Hierarchically Structured Materials by Anodic Coagulation Casting of Fibrinogenic Alumina Suspensions. Journal of the American Ceramic Society, 2013, 96, 1745-1750.	3.8	1
27	Electrophoretic Deposition of Zirconia Multilayered Constructs. Key Engineering Materials, 2014, 631, 13-17.	0.4	1
28	Synchrotron micro tomographic evaluation of multilayered zirconia ceramics â€"Volumetric effects after indentation. Journal of the European Ceramic Society, 2016, 36, 171-177.	5.7	1
29	Growth Factors and Signalling Molecules for Cartilage Tissue Engineering â€“ from Embryology to Innovative Release Strategies for Guided Tissue Engineering. , 0, , .		0
30	Drug Loaded, Biodegradable Nerve Conduits for the Simultaneous Chemical and Electrical Stimulation of Neural Cells as a Therapeutic Approach for Peripheral Nerve Regeneration. Advanced Materials Research, 0, 89-91, 497-502.	0.3	0
31	Hierarchically Structured Biomaterials for Tissue Engineering. Journal of Tissue Science & Engineering, 2012, 03, .	0.2	0
32	Nervous Tissue and Neuronal Cells: Patterning by Electrophoresis for Highly Resolved 3D Images in Tissue Engineering. Fundamental Biomedical Technologies, 2018, , 205-215.	0.2	0