

Rolf Zehbe

List of Publications by Year in descending order

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32
papers

692
citations

623734

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26
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33
all docs

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33
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Nervous Tissue and Neuronal Cells: Patterning by Electrophoresis for Highly Resolved 3D Images in Tissue Engineering. <i>Fundamental Biomedical Technologies</i> , 2018, , 205-215.	0.2	0
2	Biocompatible hollow-strut, silica enriched zirconia foams. <i>Bio-Medical Materials and Engineering</i> , 2017, 27, 647-656.	0.6	3
3	Strontium doped poly- μ -caprolactone composite scaffolds made by reactive foaming. <i>Materials Science and Engineering C</i> , 2016, 67, 259-266.	7.3	9
4	Electrophoretic deposition of multilayered (cubic and tetragonal stabilized) zirconia ceramics for adapted crack deflection. <i>Journal of the European Ceramic Society</i> , 2016, 36, 357-364.	5.7	16
5	Synchrotron micro tomographic evaluation of multilayered zirconia ceramics – Volumetric effects after indentation. <i>Journal of the European Ceramic Society</i> , 2016, 36, 171-177.	5.7	1
6	Characterization and mechanical properties investigation of the cellulose/gypsum composite. <i>Journal of Composite Materials</i> , 2016, 50, 657-672.	2.4	51
7	Electrophoretic Deposition of Zirconia Multilayered Constructs. <i>Key Engineering Materials</i> , 2014, 631, 13-17.	0.4	1
8	Phenotypic redifferentiation and cell cluster formation of cultured human articular chondrocytes in a three-dimensional oriented gelatin scaffold in the presence of PGE ₂ – first results of a pilot study. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2374-2382.	4.0	16
9	A polymer analogous reaction for the formation of imidazolium and NHC based porous polymer networks. <i>Polymer Chemistry</i> , 2013, 4, 1848.	3.9	70
10	Tetragonal and Cubic Zirconia Multilayered Ceramic Constructs Created by EPD. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1694-1701.	2.6	15
11	Hierarchically Structured Materials by Anodic Coagulation Casting of Fibrinogenic Alumina Suspensions. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1745-1750.	3.8	1
12	Imaging of articular cartilage – Data matching using X-ray tomography, SEM, FIB slicing and conventional histology. <i>Micron</i> , 2012, 43, 1060-1067.	2.2	30
13	A method to screen and evaluate tissue adhesives for joint repair applications. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 175.	1.9	15
14	Current Strategies and Future Perspectives for Intraperitoneal Adhesion Prevention. <i>Journal of Gastrointestinal Surgery</i> , 2012, 16, 1256-1274.	1.7	118
15	Hierarchically Structured Biomaterials for Tissue Engineering. <i>Journal of Tissue Science & Engineering</i> , 2012, 03, .	0.2	0
16	Biodegradable insulin-loaded PLGA microspheres fabricated by three different emulsification techniques: Investigation for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2011, 7, 1485-1495.	8.3	79
17	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. <i>Ultramicroscopy</i> , 2011, 111, 259-266.	1.9	26
18	Going beyond histology. Synchrotron micro-computed tomography as a methodology for biological tissue characterization: from tissue morphology to individual cells. <i>Journal of the Royal Society Interface</i> , 2010, 7, 49-59.	3.4	80

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19	Three-dimensional visualization of in vitro cultivated chondrocytes inside porous gelatine scaffolds: A tomographic approach. <i>Acta Biomaterialia</i> , 2010, 6, 2097-2107.	8.3	29
20	Immobilization and controlled release of prostaglandin E ₂ from poly-D,L-lactide-co-glycolide microspheres. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 454-462.	4.0	19
21	Stability of prostaglandin E2 (PGE2) embedded in poly-d,l-lactide-co-glycolide microspheres: a pre-conditioning approach for tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1357-1365.	3.6	20
22	Characterization of oriented protein-ceramic and protein-polymer-composites for cartilage tissue engineering using synchrotron μ -CT. <i>International Journal of Materials Research</i> , 2007, 98, 562-568.	0.3	17
23	Emulsion-based synthesis of PLGA-microspheres for the in vitro expansion of porcine chondrocytes. <i>New Biotechnology</i> , 2007, 24, 515-520.	2.7	39
24	Inverse inkjet printed gold micro electrodes for the structured deposition of epithelial cells and fibrin. <i>New Biotechnology</i> , 2007, 24, 537-542.	2.7	7
25	Anodic cell-protein deposition on inverse inkjet printed micro structured gold surfaces. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1493-1500.	10.1	10
26	Innovative Perspektiven für das Tissue Engineering zur Therapie von Gelenkknorpeldefekten. <i>BIOMaterialien: Offizielles Organ Der Deutschen Gesellschaft Fuer Biomaterialien</i> , 2006, 7, .	0.1	1
27	Oriented Collagen-Based/Hydroxyapatite Matrices for Articular Cartilage Replacement. <i>Key Engineering Materials</i> , 2003, 254-256, 1083-1086.	0.4	5
28	Growth Factors and Signalling Molecules for Cartilage Tissue Engineering – from Embryology to Innovative Release Strategies for Guided Tissue Engineering. , 0, , .		0
29	Tomographic and Topographic Investigation of Poly-D,L-Lactide-Co-Glycolide Microspheres Loaded with Prostaglandine E ₂ for Extended Drug Release Applications. <i>Advanced Materials Research</i> , 0, 89-91, 687-691.	0.3	1
30	Synchrotron μ CT Investigation of the Collapsing Pore-Network of Gelatin Scaffolds under Compression. <i>Advanced Materials Research</i> , 0, 89-91, 551-555.	0.3	4
31	Drug Loaded, Biodegradable Nerve Conduits for the Simultaneous Chemical and Electrical Stimulation of Neural Cells as a Therapeutic Approach for Peripheral Nerve Regeneration. <i>Advanced Materials Research</i> , 0, 89-91, 497-502.	0.3	0
32	Multilayered Ceramic Constructs Created by EPD. <i>Key Engineering Materials</i> , 0, 654, 122-126.	0.4	2