

Robert P Keatch

List of Publications by Year in descending order

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34
papers

598
citations

623734

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36
all docs

36
docs citations

36
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Antibacterial and Antiadhesive Activities of Silver-PTFE Nanocomposite Coating for Urinary Catheters. ACS Biomaterials Science and Engineering, 2019, 5, 2804-2814.	5.2	63
2	In-vitro antibacterial and anti-encrustation performance of silver-polytetrafluoroethylene nanocomposite coated urinary catheters. Journal of Hospital Infection, 2019, 103, 55-63.	2.9	39
3	Influence of Type I Fimbriae and Fluid Shear Stress on Bacterial Behavior and Multicellular Architecture of Early Escherichia coli Biofilms at Single-Cell Resolution. Applied and Environmental Microbiology, 2018, 84, .	3.1	25
4	Reduction of bacterial adhesion on titanium-doped diamond-like carbon coatings. Biofouling, 2018, 34, 26-33.	2.2	17
5	A hydraulically driven colonoscope. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 4515-4524.	2.4	2
6	Quantitative evaluation of degenerated tendon model using combined optical coherence elastography and acoustic radiation force method. Journal of Biomedical Optics, 2013, 18, 111417.	2.6	39
7	Biomaterials in regenerative medicine: engineering to recapitulate the natural. Current Opinion in Biotechnology, 2012, 23, 579-582.	6.6	27
8	Novel modular and perfused bioreactor for tissue engineering. , 2011, , .		0
9	Bio-mechanical analysis for characterising a commercial 3D printed composite. International Journal of Medical Engineering and Informatics, 2011, 3, 275.	0.3	0
10	Design optimisation and fabrication of SU-8 based electro-thermal micro-grippers. Journal of Micro-Nano Mechatronics, 2011, 6, 13-22.	1.0	19
11	Thermal imaging analysis of 3D biological agarose matrices. International Journal of Medical Engineering and Informatics, 2011, 3, 167.	0.3	0
12	Factors Affecting the Longevity and Strength in an In Vitro Model of the Bone-Ligament Interface. Annals of Biomedical Engineering, 2010, 38, 2155-2166.	2.5	31
13	Characterisation of rapid prototyping techniques for studies in cell behaviour. Rapid Prototyping Journal, 2010, 16, 116-123.	3.2	12
14	Engineering the Bone-Ligament Interface Using Polyethylene Glycol Diacrylate Incorporated with Hydroxyapatite. Tissue Engineering - Part A, 2009, 15, 1201-1209.	3.1	79
15	Construction of 3D biological matrices using rapid prototyping technology. Rapid Prototyping Journal, 2009, 15, 204-210.	3.2	71
16	Formed 3D Bio-Scaffolds via Rapid Prototyping Technology. IFMBE Proceedings, 2009, , 2200-2204.	0.3	15
17	Manufacture of SU-8 Micro-Grippers for Mechanical Characterization of Gut Epithelial Cells. IFMBE Proceedings, 2009, , 87-90.	0.3	0
18	The Development of a Combined Electrical & Mechanical Stimulation Bioreactor to Improve Tissue Engineered Muscle Function. IFMBE Proceedings, 2009, , 126-129.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Micro-gripping of Small Scale Tissues. IFMBE Proceedings, 2009, , 2619-2622.	0.3	1
20	Induction of contour sensing in <i>Aspergillus niger</i> by stress and its relevance to fungal growth mechanics and hyphal tip structure. Fungal Genetics and Biology, 2007, 44, 484-491.	2.1	46
21	Effect of nutrient availability on hyphal maturation and topographical sensing in <i>Aspergillus niger</i> . Mycoscience, 2007, 48, 145-151.	0.8	11
22	A novel "sandwich" assay for quantifying chemo-regulated cell migration within 3-dimensional matrices: Wound healing cytokines exhibit distinct motogenic activities compared to the transmembrane assay. Cytoskeleton, 2006, 63, 287-300.	4.4	23
23	Force-sensitive tactile sensor for minimal access surgery. Minimally Invasive Therapy and Allied Technologies, 2004, 13, 42-46.	1.2	24
24	MICROENGINEERING AS A TOOL TO STUDY SUBSTRATUM MODULATION AND CELL BEHAVIOUR. Biomedizinische Technik, 2002, 47, 386-389.	0.8	3
25	Application of Photosensitive Resins to Microengineering Target Components. Fusion Science and Technology, 2002, 41, 174-177.	1.1	1
26	The Production of High-Aspect-Ratio Microstructures (HARMS). Fusion Science and Technology, 2000, 38, 139-142.	0.6	2
27	Novel Three-Dimensional Microengineering Techniques. Fusion Science and Technology, 2000, 38, 119-122.	0.6	1
28	The role of microengineering in pedobarography. Foot, 1999, 9, 79-83.	1.1	6
29	The Production of Surface Profiles on Target Components. Fusion Science and Technology, 1999, 35, 85-89.	0.6	1
30	Microengineering Techniques for Fabricating Planar Foils for Use in Laser Targets. Fusion Science and Technology, 1999, 35, 101-105.	0.6	1
31	Practical Microelectronics for Electronic Engineering Students. International Journal of Electrical Engineering and Education, 1998, 35, 117-138.	0.8	3
32	Principles of plasma discharges and material processing. Microelectronics Journal, 1996, 27, 804.	2.0	24
33	A microstructure for detecting the stress distribution in thin coatings deposited on to silicon substrates. Microelectronics Journal, 1994, 25, 393-400.	2.0	9
34	Potential Limitations of Conventional Photomasks Due to Inherent Internal Stress - the Need for an Alternative Opaque Layer. Materials Research Society Symposia Proceedings, 1994, 356, 239.	0.1	1