

Robert P Keatch

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

598
citations

623734

14
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Bone-Ligament Interface Using Polyethylene Glycol Diacrylate Incorporated with Hydroxyapatite. <i>Tissue Engineering - Part A</i> , 2009, 15, 1201-1209.	3.1	79
2	Construction of 3D biological matrices using rapid prototyping technology. <i>Rapid Prototyping Journal</i> , 2009, 15, 204-210.	3.2	71
3	Enhanced Antibacterial and Antiadhesive Activities of Silver-PTFE Nanocomposite Coating for Urinary Catheters. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2804-2814.	5.2	63
4	Induction of contour sensing in <i>Aspergillus niger</i> by stress and its relevance to fungal growth mechanics and hyphal tip structure. <i>Fungal Genetics and Biology</i> , 2007, 44, 484-491.	2.1	46
5	Quantitative evaluation of degenerated tendon model using combined optical coherence elastography and acoustic radiation force method. <i>Journal of Biomedical Optics</i> , 2013, 18, 111417.	2.6	39
6	In-vitro antibacterial and anti-encrustation performance of silver-polytetrafluoroethylene nanocomposite coated urinary catheters. <i>Journal of Hospital Infection</i> , 2019, 103, 55-63.	2.9	39
7	Factors Affecting the Longevity and Strength in an In Vitro Model of the Bone-Ligament Interface. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2155-2166.	2.5	31
8	Biomaterials in regenerative medicine: engineering to recapitulate the natural. <i>Current Opinion in Biotechnology</i> , 2012, 23, 579-582.	6.6	27
9	Influence of Type I Fimbriae and Fluid Shear Stress on Bacterial Behavior and Multicellular Architecture of Early <i>Escherichia coli</i> Biofilms at Single-Cell Resolution. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	25
10	Principles of plasma discharges and material processing. <i>Microelectronics Journal</i> , 1996, 27, 804.	2.0	24
11	Force-sensitive tactile sensor for minimal access surgery. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2004, 13, 42-46.	1.2	24
12	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. <i>Cytoskeleton</i> , 2006, 63, 287-300.	4.4	23
13	Design optimisation and fabrication of SU-8 based electro-thermal micro-grippers. <i>Journal of Micro-Nano Mechatronics</i> , 2011, 6, 13-22.	1.0	19
14	Reduction of bacterial adhesion on titanium-doped diamond-like carbon coatings. <i>Biofouling</i> , 2018, 34, 26-33.	2.2	17
15	Formed 3D Bio-Scaffolds via Rapid Prototyping Technology. <i>IFMBE Proceedings</i> , 2009, , 2200-2204.	0.3	15
16	Characterisation of rapid prototyping techniques for studies in cell behaviour. <i>Rapid Prototyping Journal</i> , 2010, 16, 116-123.	3.2	12
17	Effect of nutrient availability on hyphal maturation and topographical sensing in <i>Aspergillus niger</i> . <i>Mycoscience</i> , 2007, 48, 145-151.	0.8	11
18	A microstructure for detecting the stress distribution in thin coatings deposited on to silicon substrates. <i>Microelectronics Journal</i> , 1994, 25, 393-400.	2.0	9

#	ARTICLE	IF	CITATIONS
19	The role of microengineering in pedobarography. Foot, 1999, 9, 79-83.	1.1	6
20	Practical Microelectronics for Electronic Engineering Students. International Journal of Electrical Engineering and Education, 1998, 35, 117-138.	0.8	3
21	MICROENGINEERING AS A TOOL TO STUDY SUBSTRATUM MODULATION AND CELL BEHAVIOUR. Biomedizinische Technik, 2002, 47, 386-389.	0.8	3
22	The Production of High-Aspect-Ratio Microstructures (HARMS). Fusion Science and Technology, 2000, 38, 139-142.	0.6	2
23	A hydraulically driven colonoscope. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 4515-4524.	2.4	2
24	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
25	Novel Three-Dimensional Microengineering Techniques. Fusion Science and Technology, 2000, 38, 119-122.	0.6	1
26	Application of Photosensitive Resins to Microengineering Target Components. Fusion Science and Technology, 2002, 41, 174-177.	1.1	1
27	The Production of Surface Profiles on Target Components. Fusion Science and Technology, 1999, 35, 85-89.	0.6	1
28	Microengineering Techniques for Fabricating Planar Foils for Use in Laser Targets. Fusion Science and Technology, 1999, 35, 101-105.	0.6	1
29	The Development of a Combined Electrical & Mechanical Stimulation Bioreactor to Improve Tissue Engineered Muscle Function. IFMBE Proceedings, 2009, , 126-129.	0.3	1
30	Micro-gripping of Small Scale Tissues. IFMBE Proceedings, 2009, , 2619-2622.	0.3	1
31	Novel modular and perfused bioreactor for tissue engineering. , 2011, , .		0
32	Bio-mechanical analysis for characterising a commercial 3D printed composite. International Journal of Medical Engineering and Informatics, 2011, 3, 275.	0.3	0
33	Thermal imaging analysis of 3D biological agarose matrices. International Journal of Medical Engineering and Informatics, 2011, 3, 167.	0.3	0
34	Manufacture of SU-8 Micro-Grippers for Mechanical Characterization of Gut Epithelial Cells. IFMBE Proceedings, 2009, , 87-90.	0.3	0