

Kay C Dee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

1,790
citations

17
h-index

42
g-index

44
ext. papers

1,915
ext. citations

8
avg, IF

4.21
L-index

#	Paper	IF	Citations
36	Mechanical characterization of collagen fibers and scaffolds for tissue engineering. <i>Biomaterials</i> , 2003 , 24, 3805-13	15.6	300
35	Mechanisms of surface-tension-induced epithelial cell damage in a model of pulmonary airway reopening. <i>Journal of Applied Physiology</i> , 2003 , 94, 770-83	3.7	254
34	Design and function of novel osteoblast-adhesive peptides for chemical modification of biomaterials. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 40, 371-7		203
33	2002 ,		163
32	Endothelial cell migration on surfaces modified with immobilized adhesive peptides. <i>Biomaterials</i> , 2000 , 21, 1725-33	15.6	113
31	Conditions which promote mineralization at the bone-implant interface: a model in vitro study. <i>Biomaterials</i> , 1996 , 17, 209-15	15.6	112
30	Pressure gradient, not exposure duration, determines the extent of epithelial cell damage in a model of pulmonary airway reopening. <i>Journal of Applied Physiology</i> , 2004 , 97, 269-76	3.7	100
29	Osteoblast population migration characteristics on substrates modified with immobilized adhesive peptides. <i>Biomaterials</i> , 1999 , 20, 221-7	15.6	90
28	Development of ligament-like structural organization and properties in cell-seeded collagen scaffolds in vitro. <i>Annals of Biomedical Engineering</i> , 2006 , 34, 726-36	4.7	64
27	Collagen composite biomaterials resist contraction while allowing development of adipocytic soft tissue in vitro. <i>Tissue Engineering</i> , 2006 , 12, 1639-49		59
26	Mini-review: Proactive biomaterials and bone tissue engineering. <i>Biotechnology and Bioengineering</i> , 1996 , 50, 438-42	4.9	43
25	Short collagen fibers provide control of contraction and permeability in fibroblast-seeded collagen gels. <i>Tissue Engineering</i> , 2004 , 10, 421-7		38
24	Comparison of in vitro mineralization by murine embryonic and adult stem cells cultured in an osteogenic medium. <i>Tissue Engineering</i> , 2004 , 10, 1386-98		31
23	"Culture shock" from the bone cell's perspective: emulating physiological conditions for mechanobiological investigations. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 287, C1527-36	5.4	31
22	An assessment of the strength of NG108-15 cell adhesion to chemically modified surfaces. <i>Biomaterials</i> , 1999 , 20, 2417-25	15.6	22
21	In vitro mineralization studies with substrate-immobilized bone morphogenetic protein peptides. <i>Journal of Oral Implantology</i> , 2003 , 29, 57-65	1.2	21
20	Enhanced endothelialization of substrates modified with immobilized bioactive peptides. <i>Tissue Engineering</i> , 1995 , 1, 135-45		19

19	Supplemental Instruction Integrated Into an Introductory Engineering Course*. <i>Journal of Engineering Education</i> , 1998 , 87, 377-383	2.3	17
18	Cell Function on Substrates Containing Immobilized Bioactive Peptides. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 331, 115		17
17	A jet impingement investigation of osteoblastic cell adhesion. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 62, 422-9		16
16	Research report: learning styles of biomedical engineering students. <i>Annals of Biomedical Engineering</i> , 2002 , 30, 1100-6	4.7	15
15	A device for long term, in vitro loading of three-dimensional natural and engineered tissues. <i>Annals of Biomedical Engineering</i> , 2003 , 31, 1347-56	4.7	13
14	Student Perceptions of High Course Workloads are Not Associated with Poor Student Evaluations of Instructor Performance. <i>Journal of Engineering Education</i> , 2007 , 96, 69-78	2.3	9
13	Protein-Surface Interactions 2003 , 37-52		9
12	Engineering of materials for biomedical applications. <i>Materials Today</i> , 2000 , 3, 7-10	21.8	9
11	Design and function of novel osteoblast-adhesive peptides for chemical modification of biomaterials 1998 , 40, 371		6
10	Inflammation and Infection 2003 , 89-108		3
9	Operating curves to characterize the contraction of fibroblast-seeded collagen gel/collagen fiber composite biomaterials: effect of fiber mass. <i>Plastic and Reconstructive Surgery</i> , 2007 , 119, 508-16	2.7	2
8	Biomaterials 2003 , 1-13		2
7	Biomaterial Surfaces and the Physiological Environment 2003 , 149-172		2
6	Blood-Biomaterial Interactions and Coagulation 2003 , 53-88		1
5	Collagen Composite Biomaterials Resist Contraction While Allowing Development of Adipocytic Soft Tissue In Vitro. <i>Tissue Engineering</i> , 2006 , 060706073730043		1
4	The Immune System and Inflammation 2003 , 109-126		
3	Answers to Quiz Questions 2003 , 197-203		
2	Biocompatibility 2003 , 173-184		

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Making Space for Other Voices: Hands-On, Human-Centered Design Delivered Online. *Biomedical Engineering Education*, **2021**, 1, 11-17