Yusuf M Khan

List of Publications by Year
in descending order

45 papers	3,576 citations	257101 24 h-index	276539 41 g-index
46 all docs	46 docs citations	46 times ranked	4311 citing authors

#	Article	IF	Citations
1	Bone tissue engineering. , 2022, , 1-40.		1
2	The Treatment of Muscle Atrophy After Rotator Cuff Tears Using Electroconductive Nanofibrous Matrices. Regenerative Engineering and Translational Medicine, 2021, 7, 1-9.	1.6	12
3	Bone Flap Resorption in Pediatric Patients Following Autologous Cranioplasty. Operative Neurosurgery, 2021, 20, 436-443.	0.4	7
4	Biomimetic Electroconductive Nanofibrous Matrices for Skeletal Muscle Regenerative Engineering. Regenerative Engineering and Translational Medicine, 2020, 6, 228-237.	1.6	37
5	Large scale segmental bone defect healing through the combined delivery of VEGF and BMPâ€2 from biofunctionalized cortical allografts. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1002-1010.	1.6	30
6	Cell responses to physical forces, and how they inform the design of tissue-engineered constructs for bone repair: a review. Journal of Materials Science, 2018, 53, 5618-5640.	1.7	15
7	Mechanically Loading Cell/Hydrogel Constructs with Low-Intensity Pulsed Ultrasound for Bone Repair. Tissue Engineering - Part A, 2018, 24, 254-263.	1.6	18
8	Nanofiber/Microsphere Hybrid Matrices In Vivo for Bone Regenerative Engineering: A Preliminary Report. Regenerative Engineering and Translational Medicine, 2018, 4, 133-141.	1.6	19
9	Dual growth factor delivery from biofunctionalized allografts: Sequential VEGF and BMP-2 release to stimulate allograft remodeling. Journal of Orthopaedic Research, 2017, 35, 1086-1095.	1.2	42
10	Microsphere-Based Scaffolds in Regenerative Engineering. Annual Review of Biomedical Engineering, 2017, 19, 135-161.	5.7	98
11	Enhancing the Functionality of Trabecular Allografts Through Polymeric Coating for Factor Loading. Regenerative Engineering and Translational Medicine, 2017, 3, 75-81.	1.6	0
12	The effect of acoustic radiation force on osteoblasts in cell/hydrogel constructs for bone repair. Experimental Biology and Medicine, 2016, 241, 1149-1156.	1.1	18
13	Nanoscale mapping of in situ actuating microelectromechanical systems with AFM. Journal of Materials Research, 2015, 30, 429-441.	1.2	7
14	Biofunctionalizing devitalized bone allografts through polymerâ€mediated short and long term growth factor delivery. Journal of Biomedical Materials Research - Part A, 2015, 103, 2847-2854.	2.1	14
15	Simple Signaling Molecules for Inductive Bone Regenerative Engineering. PLoS ONE, 2014, 9, e101627.	1.1	41
16	Nanofiber-microsphere (nano-micro) matrices for bone regenerative engineering: a convergence approach toward matrix design. International Journal of Energy Production and Management, 2014, 1, 3-9.	1.9	17
17	Nanofiber-permeated, hybrid polymer/ceramic scaffolds for guided cell behavior. Materials Research Society Symposia Proceedings, 2014, 1687, 24.	0.1	2
18	Nanostructured Composites for Bone Repair. Journal of Biomaterials and Tissue Engineering, 2013, 3, 426-439.	0.0	8

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19	Regenerative Engineering. Science Translational Medicine, 2012, 4, 160ed9.	5.8	107
20	VEGFâ€incorporated biomimetic poly(lactideâ€<i>co</i>â€glycolide) sintered microsphere scaffolds for bone tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 2187-2196.	1.6	40
21	Functionalization of chitosan/poly(lactic acidâ€glycolic acid) sintered microsphere scaffolds via surface heparinization for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1193-1208.	2.1	31
22	Tissueâ€engineered matrices as functional delivery systems: Adsorption and release of bioactive proteins from degradable composite scaffolds. Journal of Biomedical Materials Research - Part A, 2010, 94A, 568-575.	2.1	10
23	The enhancement of bone allograft incorporation by the local delivery of the sphingosine 1-phosphate receptor targeted drug FTY720. Biomaterials, 2010, 31, 6417-6424.	5.7	53
24	Biodegradable Polyphosphazene-Nanohydroxyapatite Composite Nanofibers: Scaffolds for Bone Tissue Engineering. Journal of Biomedical Nanotechnology, 2009, 5, 69-75.	0.5	51
25	Tissue Engineering of Bone: A Primer for the Practicing Hand Surgeon. Journal of Hand Surgery, 2009, 34, 164-166.	0.7	5
26	Amorphous hydroxyapatite-sintered polymeric scaffolds for bone tissue regeneration: Physical characterization studies. Journal of Biomedical Materials Research - Part A, 2008, 84A, 54-62.	2.1	57
27	Tissue Engineering of Bone: Material and Matrix Considerations. Journal of Bone and Joint Surgery - Series A, 2008, 90, 36-42.	1.4	417
28	Induction of angiogenesis in tissue-engineered scaffolds designed for bone repair: A combined gene therapyâ€“cell transplantation approach. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11099-11104.	3.3	178
29	Fracture Repair with Ultrasound: Clinical and Cell-Based Evaluation. Journal of Bone and Joint Surgery - Series A, 2008, 90, 138-144.	1.4	115
30	Apatite nano-crystalline surface modification of poly(lactide-co-glycolide) sintered microsphere scaffolds for bone tissue engineering: implications for protein adsorption. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 1141-1152.	1.9	17
31	Human endothelial cell growth and phenotypic expression on three dimensional poly(lactide-co-glycolide) sintered microsphere scaffolds for bone tissue engineering. Biotechnology and Bioengineering, 2007, 98, 1094-1102.	1.7	30
32	In situ synthesized ceramicâ€“polymer composites for bone tissue engineering: bioactivity and degradation studies. Journal of Materials Science, 2007, 42, 4183-4190.	1.7	24
33	In Vitro and In Vivo Characterization of Biodegradable Poly(organophosphazenes) for Biomedical Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 16, 365-385.	1.9	70
34	Bone graft substitutes. Expert Review of Medical Devices, 2006, 3, 49-57.	1.4	524
35	Proximal Humerus Fracture Rehabilitation. Clinical Orthopaedics and Related Research, 2006, 442, 131-138.	0.7	126
36	In vitro and in vivo evaluation of a novel polymer-ceramic composite scaffold for bone tissue engineering. , 2006, 2006, 529-30.		15

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37	Polymer/Calcium Phosphate Scaffolds for Bone Tissue Engineering. , 2005, , 253-263.		1
38	A Novel Polymer-Synthesized Ceramic Composite Based System for Bone Repair: Osteoblast Growth on Scaffolds with Varied Calcium Phosphate Content. Materials Research Society Symposia Proceedings, 2004, 845, 77.	0.1	2
39	Novel polymer-synthesized ceramic composite-based system for bone repair: Anin vitro evaluation. Journal of Biomedical Materials Research Part B, 2004, 69A, 728-737.	3.0	127
40	Tissue-engineered bone formation in vivo using a novel sintered polymeric microsphere matrix. Journal of Bone and Joint Surgery: British Volume, 2004, 86-B, 1200-1208.	3.4	101
41	Extracellular matrix production by human osteoblasts cultured on biodegradable polymers applicable for tissue engineering. Biomaterials, 2003, 24, 1213-1221.	5.7	129
42	Tissue engineered microsphere-based matrices for bone repair:. Biomaterials, 2002, 23, 551-559.	5.7	255
43	A novel amorphous calcium phosphate polymer ceramic for bone repair: I. Synthesis and characterization. Journal of Biomedical Materials Research Part B, 2001, 58, 295-301.	3.0	148
44	Bone-Graft Substitutes: Facts, Fictions, and Applications. Journal of Bone and Joint Surgery - Series A, 2001, 83, 98-103.	1.4	556
45	Scaffolds, Polymerâ€"Calcium Phosphate. , 0, , 7057-7064.		0