

Roshan James

List of Publications by Year in descending order

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35
papers

2,456
citations

331259

21
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

3922
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun poly(lactic acid-co-glycolic acid) scaffolds for skin tissue engineering. <i>Biomaterials</i> , 2008, 29, 4100-4107.	5.7	512
2	Tendon: Biology, Biomechanics, Repair, Growth Factors, and Evolving Treatment Options. <i>Journal of Hand Surgery</i> , 2008, 33, 102-112.	0.7	454
3	Polysaccharide biomaterials for drug delivery and regenerative engineering. <i>Polymers for Advanced Technologies</i> , 2014, 25, 448-460.	1.6	236
4	Adipose-Derived Mesenchymal Stem Cells Treated with Growth Differentiation Factor-5 Express Tendon-Specific Markers. <i>Tissue Engineering - Part A</i> , 2010, 16, 2941-2951.	1.6	136
5	Micro- and nanofabrication of chitosan structures for regenerative engineering. <i>Acta Biomaterialia</i> , 2014, 10, 1632-1645.	4.1	102
6	Cellulose and Collagen Derived Micro-Nano Structured Scaffolds for Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 719-731.	0.5	96
7	Nanostructured Polymeric Scaffolds for Orthopaedic Regenerative Engineering. <i>IEEE Transactions on Nanobioscience</i> , 2012, 11, 3-14.	2.2	84
8	Electrospun Nanofibrous Scaffolds for Engineering Soft Connective Tissues. <i>Methods in Molecular Biology</i> , 2011, 726, 243-258.	0.4	76
9	Osteoinductive Small Molecules: Growth Factor Alternatives for Bone Tissue Engineering. <i>Current Pharmaceutical Design</i> , 2013, 19, 3420-3428.	0.9	76
10	Biodegradable polymeric injectable implants for long-term delivery of contraceptive drugs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46068.	1.3	73
11	Recent Patents on Electrospun Biomedical Nanostructures: An Overview. <i>Recent Patents on Biomedical Engineering</i> , 2008, 1, 68-78.	0.5	66
12	Polyphosphazene functionalized polyester fiber matrices for tendon tissue engineering: <i>in vitro</i> evaluation with human mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 045016.	1.7	57
13	Engineered stem cell niche matrices for rotator cuff tendon regenerative engineering. <i>PLoS ONE</i> , 2017, 12, e0174789.	1.1	57
14	Nanocomposites and bone regeneration. <i>Frontiers of Materials Science</i> , 2011, 5, 342-357.	1.1	56
15	A smart methodology to fabricate electrospun chitosan nanofiber matrices for regenerative engineering applications. <i>Polymers for Advanced Technologies</i> , 2014, 25, 507-515.	1.6	56
16	Design and Optimization of Polyphosphazene Functionalized Fiber Matrices for Soft Tissue Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 107-124.	0.5	51
17	Tissue Engineering Solutions for Tendon Repair. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2011, 19, 134-142.	1.1	51
18	Poly(lactic acid) for delivery of bioactive macromolecules. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 277-288.	6.6	49

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19	Bioactive polymeric nanofiber matrices for skin regeneration. Journal of Applied Polymer Science, 2015, 132, .	1.3	29
20	Growth/differentiation factor-5 modulates the synthesis and expression of extracellular matrix and cell-adhesion-related molecules of rat Achilles tendon fibroblasts. Connective Tissue Research, 2011, 52, 353-364.	1.1	28
21	Growth differentiation factor-5 regulation of extracellular matrix gene expression in murine tendon fibroblasts. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 191-200.	1.3	24
22	Histological Processing of Hydrogel Scaffolds for Tissue-Engineering Applications. Journal of Histotechnology, 2004, 27, 133-139.	0.2	20
23	Synthesis and characterization of electrically conducting polymers for regenerative engineering applications: sulfonated ionic membranes. Polymers for Advanced Technologies, 2014, 25, 1439-1445.	1.6	14
24	Nanofiber technology: its transformative role in nanomedicine. Nanomedicine, 2016, 11, 1499-1501.	1.7	11
25	Synthesis and characterization of poly(caprolactone triol succinate) elastomer for tissue engineering application. Journal of Applied Polymer Science, 2013, 130, 3770-3777.	1.3	10
26	Regenerative engineering and bionic limbs. Rare Metals, 2015, 34, 143-155.	3.6	8
27	Regenerative Engineering: Studies of the Rotator Cuff and other Musculoskeletal Soft Tissues. MRS Advances, 2016, 1, 1255-1263.	0.5	6
28	Musculoskeletal Regenerative Engineering: Biomaterials, Structures, and Small Molecules. Advances in Biomaterials, 2014, 2014, 1-12.	0.2	5
29	Polyphosphazenes. , 2014, , 193-206.		5
30	Composites and Structures for Regenerative Engineering. Materials Research Society Symposia Proceedings, 2014, 1621, 3-15.	0.1	3
31	Regenerative engineering and advanced materials science. MRS Bulletin, 2017, 42, 600-607.	1.7	2
32	The Evolution and Application of Regenerative Engineering. Materials Research Society Symposia Proceedings, 2014, 1687, 13.	0.1	1
33	Biodegradable Polymers: Polyphosphazenes. , 0, , 739-756.		1
34	Diseases and Clinical Applications that Can Benefit from Long Lasting Implants and Injections. , 2012, , 93-111.		0
35	Biodegradable injectable implants for long-term delivery of contraceptives and other therapeutics. , 2015, , .		0