

Shayanti Mukherjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2391969/publications.pdf>

Version: 2024-02-01

46
papers

2,804
citations

218677

26
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

4730
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal stem cells: immunobiology and role in immunomodulation and tissue regeneration. <i>Cytotherapy</i> , 2009, 11, 377-391.	0.7	330
2	Applications of conducting polymers and their issues in biomedical engineering. <i>Journal of the Royal Society Interface</i> , 2010, 7, S559-79.	3.4	329
3	Precipitation of nanohydroxyapatite on PLLA/PBLG/Collagen nanofibrous structures for the differentiation of adipose derived stem cells to osteogenic lineage. <i>Biomaterials</i> , 2012, 33, 846-855.	11.4	220
4	Biomaterial strategies for alleviation of myocardial infarction. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1-19.	3.4	186
5	Advances in Polymeric Systems for Tissue Engineering and Biomedical Applications. <i>Macromolecular Bioscience</i> , 2012, 12, 286-311.	4.1	157
6	Nanofibrous structured biomimetic strategies for skin tissue regeneration. <i>Wound Repair and Regeneration</i> , 2013, 21, 1-16.	3.0	149
7	Poly(Glycerol Sebacate)/Gelatin Core/Shell Fibrous Structure for Regeneration of Myocardial Infarction. <i>Tissue Engineering - Part A</i> , 2011, 17, 1363-1373.	3.1	121
8	Gold Nanoparticle Loaded Hybrid Nanofibers for Cardiogenic Differentiation of Stem Cells for Infarcted Myocardium Regeneration. <i>Macromolecular Bioscience</i> , 2014, 14, 515-525.	4.1	102
9	Minimally invasive injectable short nanofibers of poly(glycerol sebacate) for cardiac tissue engineering. <i>Nanotechnology</i> , 2012, 23, 385102.	2.6	92
10	Expression of cardiac proteins in neonatal cardiomyocytes on PGS/fibrinogen core/shell substrate for Cardiac tissue engineering. <i>International Journal of Cardiology</i> , 2013, 167, 1461-1468.	1.7	81
11	3D bioprinted endometrial stem cells on melt electrospun poly $\hat{\mu}$ -caprolactone mesh for pelvic floor application promote anti-inflammatory responses in mice. <i>Acta Biomaterialia</i> , 2019, 97, 162-176.	8.3	79
12	Evaluation of the Biocompatibility of PLACL/Collagen Nanostructured Matrices with Cardiomyocytes as a Model for the Regeneration of Infarcted Myocardium. <i>Advanced Functional Materials</i> , 2011, 21, 2291-2300.	14.9	64
13	Cardiogenic differentiation of mesenchymal stem cells on elastomeric poly (glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26	1.5	61
14	Mimicking Native Extracellular Matrix with Phytic Acidâ€Crosslinked Protein Nanofibers for Cardiac Tissue Engineering. <i>Macromolecular Bioscience</i> , 2013, 13, 366-375.	4.1	59
15	Mesenchymal stem cell-based bioengineered constructs: foreign body response, cross-talk with macrophages and impact of biomaterial design strategies for pelvic floor disorders. <i>Interface Focus</i> , 2019, 9, 20180089.	3.0	54
16	Electrospun Polyacrylonitrile/ $\hat{2}$ -Cyclodextrin Composite Membranes for Simultaneous Air Filtration and Adsorption of Volatile Organic Compounds. <i>ACS Applied Nano Materials</i> , 2018, 1, 4268-4277.	5.0	53
17	Blended Nanostructured Degradable Mesh with Endometrial Mesenchymal Stem Cells Promotes Tissue Integration and Anti-Inflammatory Response <i><i>in Vivo</i></i> for Pelvic Floor Application. <i>Biomacromolecules</i> , 2019, 20, 454-468.	5.4	45
18	Incorporation of inorganic bioceramics into electrospun scaffolds for tissue engineering applications: A review. <i>Ceramics International</i> , 2022, 48, 8803-8837.	4.8	42

#	ARTICLE	IF	CITATIONS
19	Elastomeric electrospun scaffolds of poly(l-lactide-co-trimethylene carbonate) for myocardial tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1689-1699.	3.6	41
20	Elastomeric Core/Shell Nanofibrous Cardiac Patch as a Biomimetic Support for Infarcted Porcine Myocardium. <i>Tissue Engineering - Part A</i> , 2015, 21, 1288-1298.	3.1	40
21	Composite mesh design for delivery of autologous mesenchymal stem cells influences mesh integration, exposure and biocompatibility in an ovine model of pelvic organ prolapse. <i>Biomaterials</i> , 2019, 225, 119495.	11.4	38
22	Composite poly-l-lactic acid/poly-(L,D)-dl-aspartic acid/collagen nanofibrous scaffolds for dermal tissue regeneration. <i>Materials Science and Engineering C</i> , 2012, 32, 1443-1451.	7.3	36
23	Minimally invasive cell-seeded biomaterial systems for injectable/epicardial implantation in ischemic heart disease. <i>International Journal of Nanomedicine</i> , 2012, 7, 5969.	6.7	33
24	Tissue engineering approaches for treating pelvic organ prolapse using a novel source of stem/stromal cells and new materials. <i>Current Opinion in Urology</i> , 2019, 29, 450-457.	1.8	31
25	In vitro evaluation of biodegradable magnesium alloys containing micro-alloying additions of strontium, with and without zinc. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8874-8883.	5.8	29
26	Electrospun Nanofiber Meshes With Endometrial MSCs Modulate Foreign Body Response by Increased Angiogenesis, Matrix Synthesis, and Anti-Inflammatory Gene Expression in Mice: Implication in Pelvic Floor. <i>Frontiers in Pharmacology</i> , 2020, 11, 353.	3.5	29
27	Tubular Tissues and Organs of Human Body—Challenges in Regenerative Medicine. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 19-39.	0.9	28
28	Click chemistry approach for fabricating PVA/gelatin nanofibers for the differentiation of ADSCs to keratinocytes. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2863-2871.	3.6	25
29	Multimodal biomaterial strategies for regeneration of infarcted myocardium. <i>Journal of Materials Chemistry</i> , 2010, 20, 8819.	6.7	23
30	Ultra-Porous Nanoparticle Networks: A Biomimetic Coating Morphology for Enhanced Cellular Response and Infiltration. <i>Scientific Reports</i> , 2016, 6, 24305.	3.3	23
31	Recent studies on electrospinning preparation of patterned, core-shell, and aligned scaffolds. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46570.	2.6	22
32	Immunobiology and Application of Aloe vera-Based Scaffolds in Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1708.	4.1	22
33	Optimally Hierarchical Nanostructured Hydroxyapatite Coatings for Superior Prosthesis Biointegration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24840-24849.	8.0	20
34	Design of Novel Perovskite-Based Polymeric Poly(l-Lactide-Co-Glycolide) Nanofibers with Anti-Microbial Properties for Tissue Engineering. <i>Nanomaterials</i> , 2020, 10, 1127.	4.1	19
35	Buckled structures and 5-azacytidine enhance cardiogenic differentiation of adipose-derived stem cells. <i>Nanomedicine</i> , 2013, 8, 1985-1997.	3.3	18
36	Emerging Nano/Micro-Structured Degradable Polymeric Meshes for Pelvic Floor Reconstruction. <i>Nanomaterials</i> , 2020, 10, 1120.	4.1	18

#	ARTICLE	IF	CITATIONS
37	A novel tropoelastin-based resorbable surgical mesh for pelvic organ prolapse repair. <i>Materials Today Bio</i> , 2020, 8, 100081.	5.5	17
38	Vaginal delivery of tissue engineered endometrial mesenchymal stem/stromal cells in an aloe vera-alginate hydrogel alleviates maternal simulated birth injury. <i>Applied Materials Today</i> , 2021, 22, 100890.	4.3	10
39	Coatings Releasing the Relaxin Peptide Analogue B7-33 Reduce Fibrotic Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45511-45519.	8.0	9
40	Endometrial SUSD2+ Mesenchymal Stem/Stromal Cells in Tissue Engineering: Advances in Novel Cellular Constructs for Pelvic Organ Prolapse. <i>Journal of Personalized Medicine</i> , 2021, 11, 840.	2.5	9
41	Identification and characterisation of maternal perivascular SUSD2+ placental mesenchymal stem/stromal cells. <i>Cell and Tissue Research</i> , 2021, 385, 803-815.	2.9	7
42	Improved osteoblast function on titanium implant surfaces coated with nanocomposite Apatite/Wollastonite/Chitosan an experimental in-vitro study. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 25.	3.6	7
43	Chemokine SDF1 Mediated Bone Regeneration Using Biodegradable Poly(D,L-lactide-co-glycolide) 3D Scaffolds and Bone Marrow-Derived Mesenchymal Stem Cells: Implication for the Development of an Off-the-Shelf Pharmacologically Active Construct. <i>Biomacromolecules</i> , 2020, 21, 4888-4903.	5.4	6
44	A fiber-optic sensor-based device for the measurement of vaginal integrity in women. <i>Neurourology and Urodynamics</i> , 2019, 38, 2264-2272.	1.5	4
45	Vaginal pressure sensor measurement during maximal voluntary pelvic floor contraction correlates with vaginal birth and pelvic organ prolapse A pilot study. <i>Neurourology and Urodynamics</i> , 2022, 41, 592-600.	1.5	3
46	Practical Considerations for Medical Applications using Biological Grafts and their Derivatives. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1418, 215.	0.1	1