Swetha Rudraiah

List of Publications by Year
in descending order

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28	1,160	394421 19	501196 28
papers	citations	h-index	g-index

28	28	28	2175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioactive polymeric scaffolds for tissue engineering. Bioactive Materials, 2016, 1, 93-108.	15.6	336
2	Bioactive polymeric materials and electrical stimulation strategies for musculoskeletal tissue repair and regeneration. Bioactive Materials, 2020, 5, 468-485.	15.6	91
3	Biodegradable polymeric injectable implants for longâ€term delivery of contraceptive drugs. Journal of Applied Polymer Science, 2018, 135, 46068.	2.6	73
4	Aligned microchannel polymer-nanotube composites for peripheral nerve regeneration: Small molecule drug delivery. Journal of Controlled Release, 2019, 296, 54-67.	9.9	67
5	Nuclear Receptors as Therapeutic Targets in Liver Disease: Are We There Yet?. Annual Review of Pharmacology and Toxicology, 2016, 56, 605-626.	9.4	62
6	Functional polymeric nerve guidance conduits and drug delivery strategies for peripheral nerve repair and regeneration. Journal of Controlled Release, 2020, 317, 78-95.	9.9	58
7	Engineered Skin Tissue Equivalents for Product Evaluation and Therapeutic Applications. Biotechnology Journal, 2019, 14, e1900022.	3.5	51
8	Review: Bioengineering approach for the repair and regeneration of peripheral nerve. Bioactive Materials, 2019, 4, 107-113.	15.6	47
9	Interactions Between Nuclear Receptor SHP and FOXA1 Maintain Oscillatory Homocysteine Homeostasis in Mice. Gastroenterology, 2015, 148, 1012-1023.e14.	1.3	43
10	Insulin immobilized PCLâ€cellulose acetate microâ€nanostructured fibrous scaffolds for tendon tissue engineering. Polymers for Advanced Technologies, 2019, 30, 1205-1215.	3.2	34
11	Spiral Layer-by-Layer Micro-Nanostructured Scaffolds for Bone Tissue Engineering. ACS Biomaterials Science and Engineering, 2018, 4, 2181-2192.	5.2	31
12	Role of nuclear factor-erythroid 2-related factor 2 (Nrf2) in the transcriptional regulation of brain ABC transporters during acute acetaminophen (APAP) intoxication in mice. Biochemical Pharmacology, 2015, 94, 203-211.	4.4	26
13	Growing a backbone â€“ functional biomaterials and structures for intervertebral disc (IVD) repair and regeneration: challenges, innovations, and future directions. Biomaterials Science, 2020, 8, 1216-1239.	5.4	26
14	Polymeric 3D printed structures for softâ€tissue engineering. Journal of Applied Polymer Science, 2018, 135, 45569.	2.6	25
15	Is Nuclear Factor Erythroid 2â€“Related Factor 2 Responsible for Sex Differences in Susceptibility to Acetaminophen-Induced Hepatotoxicity in Mice?. Drug Metabolism and Disposition, 2014, 42, 1663-1674.	3.3	23
16	Polymeric nanofibrous nerve conduits coupled with laminin for peripheral nerve regeneration. Biomedical Materials (Bristol), 2020, 15, 035003.	3.3	23
17	Tolerance to Acetaminophen Hepatotoxicity in the Mouse Model of Autoprotection Is Associated with Induction of Flavin-Containing Monooxygenase-3 (FMO3) in Hepatocytes. Toxicological Sciences, 2014, 141, 263-277.	3.1	22
18	Biopolymer-nanotube nerve guidance conduit drug delivery for peripheral nerve regeneration: In vivo structural and functional assessment. Bioactive Materials, 2021, 6, 2881-2893.	15.6	22

#	Article	IF	Citations
19	Tendon tissue engineering: biomechanical considerations. Biomedical Materials (Bristol), 2020, 15, 052001.	3.3	21
20	Bioactive polymeric formulations for wound healing. Polymers for Advanced Technologies, 2018, 29, 1815-1825.	3.2	19
21	Differential Fmo3 gene expression in various liver injury models involving hepatic oxidative stress in mice. Toxicology, 2014, 325, 85-95.	4.2	17
22	Polymeric ionically conductive composite matrices and electrical stimulation strategies for nerve regeneration: In vitro characterization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1792-1805.	3.4	12
23	Nanomaterials/Nanocomposites for Osteochondral Tissue. Advances in Experimental Medicine and Biology, 2018, 1058, 79-95.	1.6	10
24	Oxidative stress-responsive transcription factor NRF2 is not indispensable for the human hepatic Flavin-containing monooxygenase-3 (FMO3) gene expression in HepG2 cells. Toxicology in Vitro, 2016, 31, 54-59.	2.4	7
25	The glucagon-like peptide 1 receptor agonist Exendin-4 induces tenogenesis in human mesenchymal stem cells. Differentiation, 2021, 120, 1-9.	1.9	5
26	Natural Polymerâ€“Based Micronanostructured Scaffolds for Bone Tissue Engineering. Methods in Molecular Biology, 2022, 2394, 669-691.	0.9	4
27	From hepatoprotection models to new therapeutic modalities for treating liver diseases: a personal perspective. F1000Research, 2016, 5, 1698.	1.6	3
28	From hepatoprotection models to new therapeutic modalities for treating liver diseases: a personal perspective. F1000Research, 2016, 5, 1698.	1.6	2