

Meng Tian

List of Publications by Year in descending order

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42
papers

934
citations

430843

18
h-index

501174

28
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44
all docs

44
docs citations

44
times ranked

1069
citing authors

#	ARTICLE	IF	CITATIONS
1	InÂvivo study of porous strontium-doped calcium polyphosphate scaffolds for bone substitute applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1505-1512.	3.6	83
2	Advances in multifunctional chitosan-based self-healing hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7955-7971.	5.8	70
3	Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. <i>Nature Biomedical Engineering</i> , 2021, 5, 1143-1156.	22.5	54
4	Molecular weight dependence of structure and properties of chitosan oligomers. <i>RSC Advances</i> , 2015, 5, 69445-69452.	3.6	50
5	Effects of Chitosan Oligosaccharides on Human Blood Components. <i>Frontiers in Pharmacology</i> , 2018, 9, 1412.	3.5	44
6	Delivery of demineralized bone matrix powder using a thermogelling chitosan carrier. <i>Acta Biomaterialia</i> , 2012, 8, 753-762.	8.3	43
7	The study on the degradation and mineralization mechanism of ionâ€doped calcium polyphosphate <i>in vitro</i>. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 89B, 430-438.	3.4	42
8	Copper Sulfide Nanoparticles-Incorporated Hyaluronic Acid Injectable Hydrogel With Enhanced Angiogenesis to Promote Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 417.	4.1	39
9	Efficient Iron and ROS Nanoscavengers for Brain Protection after Intracerebral Hemorrhage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9729-9738.	8.0	31
10	Injectable Gelatin Hydrogel Suppresses Inflammation and Enhances Functional Recovery in a Mouse Model of Intracerebral Hemorrhage. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 785.	4.1	28
11	A bone regeneration strategy <i>via</i> dual delivery of demineralized bone matrix powder and hypoxia-pretreated bone marrow stromal cells using an injectable self-healing hydrogel. <i>Journal of Materials Chemistry B</i> , 2021, 9, 479-493.	5.8	28
12	Preparation and characterization of galactosylated alginateâ€chitosan oligomer microcapsule for hepatocytes microencapsulation. <i>Carbohydrate Polymers</i> , 2014, 112, 502-511.	10.2	27
13	Delivery of MiR335â€Pendant Tetrahedron DNA Nanostructures Using an Injectable Heparin Lithium Hydrogel for Challenging Bone Defects in Steroidâ€Associated Osteonecrosis. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101412.	7.6	26
14	Long-term and oxidative-responsive alginateâ€deferroxamine conjugates with a low toxicity for iron overload. <i>RSC Advances</i> , 2016, 6, 32471-32479.	3.6	25
15	Berberine-Incorporated Shape Memory Fiber Applied as a Novel Surgical Suture. <i>Frontiers in Pharmacology</i> , 2019, 10, 1506.	3.5	25
16	Perioperative Antihypertensive Treatment in Patients With Spontaneous Intracerebral Hemorrhage. <i>Stroke</i> , 2017, 48, 216-218.	2.0	23
17	Deferoxamine Alleviates Iron Overload and Brain Injury in a Rat Model of Brainstem Hemorrhage. <i>World Neurosurgery</i> , 2019, 128, e895-e904.	1.3	23
18	Strontium-doped calcium polyphosphate/ultrahigh molecular weight polyethylene composites: A new class of artificial joint components with enhanced biological efficacy to aseptic loosening. <i>Materials Science and Engineering C</i> , 2016, 61, 526-533.	7.3	21

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19	Interactions of oligochitosan with blood components. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 304-313.	7.5	17
20	Osteoimmunomodulatory injectable Lithium-Heparin hydrogel with Microspheres/TGF- β 1 delivery promotes M2 macrophage polarization and osteogenesis for guided bone regeneration. <i>Chemical Engineering Journal</i> , 2022, 435, 134991.	12.7	17
21	Preparation of a series of chitooligomers and their effect on hepatocytes. <i>Carbohydrate Polymers</i> , 2010, 79, 137-144.	10.2	16
22	Rosuvastatin Nanomicelles Target Neuroinflammation and Improve Neurological Deficit in a Mouse Model of Intracerebral Hemorrhage. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2933-2947.	6.7	16
23	Synthesis and evaluation of oxidation-responsive alginate-deferoxamine conjugates with increased stability and low toxicity. <i>Carbohydrate Polymers</i> , 2016, 144, 522-530.	10.2	15
24	Glucocorticoid Enhanced the Expression of Ski in Osteonecrosis of Femoral Head: The Effect on Adipogenesis of Rabbit BMSCs. <i>Calcified Tissue International</i> , 2019, 105, 506-517.	3.1	15
25	Glucocorticoids decreased Cx43 expression in osteonecrosis of femoral head: The effect on proliferation and osteogenic differentiation of rat BMSCs. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 484-498.	3.6	14
26	Crocic attenuation of neurological deficits in a mouse model of intracerebral hemorrhage. <i>Brain Research Bulletin</i> , 2019, 150, 186-195.	3.0	13
27	Biomimetic phosphorylcholine strategy to improve the hemocompatibility of pH-responsive micelles containing tertiary amino groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110545.	5.0	12
28	Antitumor Activity of a Mitochondrial-Targeted HSP90 Inhibitor in Gliomas. <i>Clinical Cancer Research</i> , 2022, 28, 2180-2195.	7.0	12
29	PEGylation of Deferoxamine for Improving the Stability, Cytotoxicity, and Iron-Overload in an Experimental Stroke Model in Rats. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 592294.	4.1	11
30	Establishing a Preoperative Evaluation System for Lumboperitoneal Shunt: Approach to Attenuate the Risk of Shunt Failure. <i>World Neurosurgery</i> , 2018, 117, e308-e315.	1.3	10
31	A Modified Nucleoside 6-Thio- ϵ -Deoxyguanosine Exhibits Antitumor Activity in Gliomas. <i>Clinical Cancer Research</i> , 2021, 27, 6800-6814.	7.0	10
32	One-year outcome of patients with posttraumatic hydrocephalus treated by lumboperitoneal shunt: an observational study from China. <i>Acta Neurochirurgica</i> , 2018, 160, 2031-2038.	1.7	9
33	Brainstem iron overload and injury in a rat model of brainstem hemorrhage. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104956.	1.6	9
34	Comparison of two approaches to grafting hydrophilic polymer chains onto polysulfone films. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3818-3826.	2.6	8
35	Rat Brainstem Hemorrhage Model: Key Points to Success in Modeling. <i>World Neurosurgery</i> , 2018, 117, e106-e116.	1.3	8
36	Clinical Value of Neutrophil-to-Lymphocyte Ratio in Primary Intraventricular Hemorrhage. <i>World Neurosurgery</i> , 2019, 127, e1051-e1056.	1.3	8

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37	Interactions of Alginate-Deferoxamine Conjugates With Blood Components and Their Antioxidation in the Hemoglobin Oxidation Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 53.	4.1	8
38	Poly(ϵ -Caprolactone)-Methoxypolyethylene Glycol (PCL-MPEG)-Based Micelles for Drug-Delivery: The Effect of PCL Chain Length on Blood Components, Phagocytosis, and Biodistribution. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1613-1632.	6.7	7
39	Comparison of ventriculoperitoneal shunt to lumboperitoneal shunt in the treatment of posthemorrhagic hydrocephalus. <i>Medicine (United States)</i> , 2020, 99, e20528.	1.0	6
40	Effect of surface morphology change of polystyrene microspheres through etching on protein corona and phagocytic uptake. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 2381-2395.	3.5	5
41	Knockdown of Ski decreases osteosarcoma cell proliferation and migration by suppressing the PI3K/Akt signaling pathway. <i>International Journal of Oncology</i> , 2020, 56, 206-218.	3.3	5
42	Acupuncture for acute moderate thalamic hemorrhage: randomized controlled trial study protocol. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 112.	3.7	1