

Xiaokun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

813
citations

758635

12
h-index

839053

18
g-index

21
all docs

21
docs citations

21
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, clinical translation and immunological response of biomaterials in regenerative medicine. Nature Reviews Materials, 2016, 1, .	23.3	208
2	Polycaprolactone electrospun mesh conjugated with an MSC affinity peptide for MSC homing in vivo. Biomaterials, 2012, 33, 3375-3387.	5.7	143
3	Interleukin 17 and senescent cells regulate the foreign body response to synthetic material implants in mice and humans. Science Translational Medicine, 2020, 12, .	5.8	99
4	Proteomic composition and immunomodulatory properties of urinary bladder matrix scaffolds in homeostasis and injury. Seminars in Immunology, 2017, 29, 14-23.	2.7	73
5	Effects of structural properties of electrospun TiO ₂ nanofiber meshes on their osteogenic potential. Acta Biomaterialia, 2012, 8, 878-885.	4.1	59
6	Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants. Advanced Functional Materials, 2018, 28, 1804076.	7.8	37
7	Direct Growth of Human Enamel-Like Calcium Phosphate Microstructures on Human Tooth. Journal of Nanoscience and Nanotechnology, 2009, 9, 1361-1364.	0.9	28
8	Role of integrin $\alpha 2 \beta 1$ in mediating osteoblastic differentiation on three-dimensional titanium scaffolds with submicron-scale texture. Journal of Biomedical Materials Research - Part A, 2015, 103, 1907-1918.	2.1	26
9	Tissue-derived microparticles reduce inflammation and fibrosis in cornea wounds. Acta Biomaterialia, 2019, 85, 192-202.	4.1	22
10	Type 2 immunity induced by bladder extracellular matrix enhances corneal wound healing. Science Advances, 2021, 7, .	4.7	22
11	Synthesis of Thermal Polymerizable Alginate-GMA Hydrogel for Cell Encapsulation. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	19
12	Chondroitin Sulfate-Based Biocompatible Crosslinker Restores Corneal Mechanics and Collagen Alignment. , 2017, 58, 3887.		17
13	Fabrication of electrospun silica-titania nanofibers with different silica content and evaluation of the morphology and osteoinductive properties. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3511-3517.	2.1	16
14	Multifunctional synthetic Bowman's membrane-stromal biomimetic for corneal reconstruction. Biomaterials, 2020, 241, 119880.	5.7	14
15	Protective Effects of Soluble Collagen during Ultraviolet-A Crosslinking on Enzyme-Mediated Corneal Ectatic Models. PLoS ONE, 2015, 10, e0136999.	1.1	11
16	In Vivo Study of Ligament-Bone Healing after Anterior Cruciate Ligament Reconstruction Using Autologous Tendons with Mesenchymal Stem Cells Affinity Peptide Conjugated Electrospun Nanofibrous Scaffold. Journal of Nanomaterials, 2013, 2013, 1-11.	1.5	7
17	Collagen vitrigels with low fibril density enhance human embryonic stem cell-derived retinal pigment epithelial cell maturation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 821-829.	1.3	6
18	Evaluation of the Morphology and Osteogenic Potential of Titania-Based Electrospun Nanofibers. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Cornea Implants: Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants (Adv. Funct. Mater. 41/2018). Advanced Functional Materials, 2018, 28, 1870297.	7.8	1
20	Tissue-Derived Biological Particles Restore Cornea Properties in an Enzyme-Mediated Corneal Ectatic Model. Bioengineering, 2019, 6, 90.	1.6	1