

Hae Lin Jang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,989
citations

331259

21
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

5712
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based materials for tissue engineering. <i>Advanced Drug Delivery Reviews</i> , 2016, 105, 255-274.	6.6	537
2	Hydrated Manganese(II) Phosphate ($Mn_3(PO_4)_2 \cdot 3H_2O$) as a Water Oxidation Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 7435-7443.	6.6	324
3	Rapid Continuous Multimaterial Extrusion Bioprinting. <i>Advanced Materials</i> , 2017, 29, 1604630.	11.1	275
4	Engineering vascularized and innervated bone biomaterials for improved skeletal tissue regeneration. <i>Materials Today</i> , 2018, 21, 362-376.	8.3	178
5	In vitro and in vivo evaluation of the bioactivity of hydroxyapatite-coated polyetheretherketone biocomposites created by cold spray technology. <i>Acta Biomaterialia</i> , 2013, 9, 6177-6187.	4.1	171
6	Revisiting Whitlockite, the Second Most Abundant Biomineral in Bone: Nanocrystal Synthesis in Physiologically Relevant Conditions and Biocompatibility Evaluation. <i>ACS Nano</i> , 2014, 8, 634-641.	7.3	151
7	Development of hydrogels for regenerative engineering. <i>Biotechnology Journal</i> , 2017, 12, 1600394.	1.8	139
8	Intercellular nanotubes mediate mitochondrial trafficking between cancer and immune cells. <i>Nature Nanotechnology</i> , 2022, 17, 98-106.	15.6	135
9	Biomimetic whitlockite inorganic nanoparticles-mediated in situ remodeling and rapid bone regeneration. <i>Biomaterials</i> , 2017, 112, 31-43.	5.7	124
10	Chondroitin Sulfate-Based Biomineralizing Surface Hydrogels for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21639-21650.	4.0	118
11	Nano-hydroxyapatite modulates osteoblast lineage commitment by stimulation of DNA methylation and regulation of gene expression. <i>Biomaterials</i> , 2015, 65, 32-42.	5.7	106
12	In Vitro and In Vivo Evaluation of Whitlockite Biocompatibility: Comparative Study with Hydroxyapatite and β -Tricalcium Phosphate. <i>Advanced Healthcare Materials</i> , 2016, 5, 128-136.	3.9	103
13	Development of nanomaterials for bone-targeted drug delivery. <i>Drug Discovery Today</i> , 2017, 22, 1336-1350.	3.2	103
14	Synergistic interplay between the two major bone minerals, hydroxyapatite and whitlockite nanoparticles, for osteogenic differentiation of mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2018, 69, 342-351.	4.1	91
15	Phase transformation from hydroxyapatite to the secondary bone mineral, whitlockite. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1342-1349.	2.9	66
16	Hybrid Z-scheme Using Photosystem I and BiVO ₄ for Hydrogen Production. <i>Advanced Functional Materials</i> , 2015, 25, 2369-2377.	7.8	65
17	Injectable shear-thinning hydrogels for delivering osteogenic and angiogenic cells and growth factors. <i>Biomaterials Science</i> , 2018, 6, 1604-1615.	2.6	59
18	Simple Large-Scale Synthesis of Hydroxyapatite Nanoparticles: In Situ Observation of Crystallization Process. <i>Langmuir</i> , 2010, 26, 384-388.	1.6	49

#	ARTICLE	IF	CITATIONS
19	Human Nonalcoholic Steatohepatitis on a Chip. <i>Hepatology Communications</i> , 2021, 5, 217-233.	2.0	42
20	Boosting clinical translation of nanomedicine. <i>Nanomedicine</i> , 2016, 11, 1495-1497.	1.7	40
21	Transcellular transfer of nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 731-732.	15.6	29
22	Biofunctionalized Ceramic with Self-Assembled Networks of Nanochannels. <i>ACS Nano</i> , 2015, 9, 4447-4457.	7.3	15
23	Recreating composition, structure, functionalities of tissues at nanoscale for regenerative medicine. <i>Regenerative Medicine</i> , 2016, 11, 849-858.	0.8	15
24	Inhibition of Tunneling Nanotubes between Cancer Cell and the Endothelium Alters the Metastatic Phenotype. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6161.	1.8	12
25	Engineered cell-laden alginate microparticles for 3D culture. <i>Biochemical Society Transactions</i> , 2021, 49, 761-773.	1.6	11
26	Bioprinting: Rapid Continuous Multimaterial Extrusion Bioprinting (<i>Adv. Mater.</i> 3/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	9
27	Whitlockite Promotes Bone Healing in Rabbit Ilium Defect Model. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 944-951.	1.0	9
28	3D Printed Anchoring Sutures for Permanent Shaping of Tissues. <i>Macromolecular Bioscience</i> , 2017, 17, 1700304.	2.1	7