A Lee Miller Ii

List of Publications by Year
in descending order

33	997	16	31
papers	citations	h-index	g-index

516561

434063

33	33	33	1541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized Carbon Nanotube and Graphene Oxide Embedded Electrically Conductive Hydrogel Synergistically Stimulates Nerve Cell Differentiation. ACS Applied Materials & Interfaces, 2017, 9, 14677-14690.	4.0	179
2	Two-Dimensional Black Phosphorus and Graphene Oxide Nanosheets Synergistically Enhance Cell Proliferation and Osteogenesis on 3D Printed Scaffolds. ACS Applied Materials & Interfaces, 2019, 11, 23558-23572.	4.0	101
3	Strengthening injectable thermo-sensitive NIPAAm-g-chitosan hydrogels using chemical cross-linking of disulfide bonds as scaffolds for tissue engineering. Carbohydrate Polymers, 2018, 192, 308-316.	5.1	87
4	3D-printed scaffolds with carbon nanotubes for bone tissue engineering: Fast and homogeneous one-step functionalization. Acta Biomaterialia, 2020, 111, 129-140.	4.1	69
5	Covalent crosslinking of graphene oxide and carbon nanotube into hydrogels enhances nerve cell responses. Journal of Materials Chemistry B, 2016, 4, 6930-6941.	2.9	63
6	Electrically conductive nanocomposite hydrogels embedded with functionalized carbon nanotubes for spinal cord injury. New Journal of Chemistry, 2018, 42, 17671-17681.	1.4	63
7	Injectable Electrical Conductive and Phosphate Releasing Gel with Two-Dimensional Black Phosphorus and Carbon Nanotubes for Bone Tissue Engineering. ACS Biomaterials Science and Engineering, 2020, 6, 4653-4665.	2.6	46
8	Poly(Îµ-caprolactone) Dendrimer Cross-Linked via Metal-Free Click Chemistry: Injectable Hydrophobic Platform for Tissue Engineering. ACS Macro Letters, 2016, 5, 1261-1265.	2.3	35
9	Novel biodegradable poly(propylene fumarate)-co-poly(l-lactic acid) porous scaffolds fabricated by phase separation for tissue engineering applications. RSC Advances, 2015, 5, 21301-21309.	1.7	32
10	Biodegradable and crosslinkable PPFâ€“PLGAâ€“PEG self-assembled nanoparticles dual-decorated with folic acid ligands and Rhodamine B fluorescent probes for targeted cancer imaging. RSC Advances, 2015, 5, 33275-33282.	1.7	31
11	Tunable tissue scaffolds fabricated by in situ crosslink in phase separation system. RSC Advances, 2015, 5, 100824-100833.	1.7	24
12	Strontiumâ€substituted hydroxyapatite stimulates osteogenesis on poly(propylene fumarate) nanocomposite scaffolds. Journal of Biomedical Materials Research - Part A, 2019, 107, 631-642.	2.1	22
13	<scp>3D</scp> bioprinting of oligo(poly[ethylene glycol] fumarate) for bone and nerve tissue engineering. Journal of Biomedical Materials Research - Part A, 2021, 109, 6-17.	2.1	22
14	Novel porous poly(propylene fumarateâ€coâ€caprolactone) scaffolds fabricated by thermally induced phase separation. Journal of Biomedical Materials Research - Part A, 2017, 105, 226-235.	2.1	18
15	Fast functionalization of ultrasound microbubbles using strain promoted click chemistry. Biomaterials Science, 2018, 6, 623-632.	2.6	18
16	Injectable Catalyst-Free Poly(Propylene Fumarate) System Cross-Linked by Strain Promoted Alkyneâ€“Azide Cycloaddition Click Chemistry for Spine Defect Filling. Biomacromolecules, 2019, 20, 3352-3365.	2.6	18
17	Injectable catalyst-free â€œclickâ€•organic-inorganic nanohybrid (click-ON) cement for minimally invasive in vivo bone repair. Biomaterials, 2021, 276, 121014.	5.7	18
18	Phosphate functionalization and enzymatic calcium mineralization synergistically enhance oligo[poly(ethylene glycol) fumarate] hydrogel osteoconductivity for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2020, 108, 515-527.	2.1	17

#	Article	IF	Citations
19	Rapid conjugation of nanoparticles, proteins and siRNAs to microbubbles by strain-promoted click chemistry for ultrasound imaging and drug delivery. Polymer Chemistry, 2019, 10, 705-717.	1.9	15
20	Poly(Caprolactone Fumarate) and Oligo[Poly(Ethylene Glycol) Fumarate]: Two Decades of Exploration in Biomedical Applications. Polymer Reviews, 2021, 61, 319-356.	5.3	14
21	Promoting Neuronal Outgrowth Using Ridged Scaffolds Coated with Extracellular Matrix Proteins. Biomedicines, 2021, 9, 479.	1.4	13
22	Bifunctional hydrogel for potential vascularized bone tissue regeneration. Materials Science and Engineering C, 2021, 124, 112075.	3.8	13
23	Hydrolysable core crosslinked particles for receptor-mediated pH-sensitive anticancer drug delivery. New Journal of Chemistry, 2015, 39, 8840-8847.	1.4	12
24	A New Vertebral Body Replacement Strategy Using Expandable Polymeric Cages. Tissue Engineering - Part A, 2017, 23, 223-232.	1.6	12
25	Poly(Propylene Fumarate)â€“Hydroxyapatite Nanocomposite Can Be a Suitable Candidate for Cervical Cages. Journal of Biomechanical Engineering, 2018, 140, .	0.6	11
26	Crossâ€linkable graphene oxide embedded nanocomposite hydrogel with enhanced mechanics and cytocompatibility for tissue engineering. Journal of Biomedical Materials Research - Part A, 2018, 106, 1247-1257.	2.1	10
27	Threeâ€dimensional porous poly(propylene fumarate)â€<i>co</i>â€poly(lacticâ€<i>co</i>â€glycolic acid) scaffolds for tissue engineering. Journal of Biomedical Materials Research - Part A, 2018, 106, 2507-2517.	2.1	8
28	Black phosphorus incorporation modulates nanocomposite hydrogel properties and subsequent <scp>MC3T3</scp> cell attachment, proliferation, and differentiation. Journal of Biomedical Materials Research - Part A, 2021, 109, 1633-1645.	2.1	8
29	Three-dimensional surface strain analyses of simulated defect and augmented spine segments: A biomechanical cadaveric study. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 119, 104559.	1.5	5
30	Injectable pH-responsive adhesive hydrogels for bone tissue engineering inspired by the underwater attachment strategy of marine mussels. Materials Science and Engineering C, 2022, 133, 112606.	3.8	5
31	Zinc-doped hydroxyapatite and poly(propylene fumarate) nanocomposite scaffold for bone tissue engineering. Journal of Materials Science, 2022, 57, 5998-6012.	1.7	4
32	CT-based structural analyses of vertebral fractures with polymeric augmentation: A study of cadaveric three-level spine segments. Computers in Biology and Medicine, 2021, 133, 104395.	3.9	3
33	OPF/PMMA Cage System as an Alternative Approach for the Treatment of Vertebral Corpectomy. Applied Sciences (Switzerland), 2020, 10, 6912.	1.3	1