Bae Hoon Lee

List of Publications by Year
in descending order

30 papers	1,481 citations	489802 18 h-index	620720 26 g-index
30 all docs	30 docs citations	30 times ranked	2404 citing authors

#	Article	IF	Citations
1	Comparison of globular albumin methacryloyl and random-coil gelatin methacryloyl: Preparation, hydrogel properties, cell behaviors, and mineralization. International Journal of Biological Macromolecules, 2022, 204, 692-708.	3.6	11
2	Facile Fabrication of Transparent and Opaque Albumin Methacryloyl Gels with Highly Improved Mechanical Properties and Controlled Pore Structures. Gels, 2022, 8, 367.	2.1	9
3	Novel biohybrid spongy scaffolds for fabrication of suturable intraoral graft substitutes. International Journal of Biological Macromolecules, 2022, 214, 617-631.	3.6	9
4	An Engineered Protein-Based Building Block (Albumin Methacryloyl) for Fabrication of a 3D In Vitro Cryogel Model. Gels, 2022, 8, 404.	2.1	4
5	Highly substituted decoupled gelatin methacrylamide free of hydrolabile methacrylate impurities: An optimum choice for long-term stability and cytocompatibility. International Journal of Biological Macromolecules, 2021, 167, 479-490.	3.6	10
6	Pristane-induced mammary carcinomas. Methods in Cell Biology, 2021, 163, 187-195.	0.5	0
7	Bioactive micropatterned platform to engineer myotube-like cells from stem cells. Biofabrication, 2021, 13, 035017.	3.7	1
8	Facile Fabrication of Povidone Iodineâ€Embedded Polytetrafluoroethylene Superhydrophobic Films with Improved Antiadhesive and Bactericidal Properties in Bacterial Environments. Macromolecular Materials and Engineering, 2021, 306, 2100193.	1.7	0
9	Hydrogel composite scaffolds with an attenuated immunogenicity component for bone tissue engineering applications. Journal of Materials Chemistry B, 2021, 9, 2033-2041.	2.9	20
10	Personalized hydrogels for individual health care: preparation, features, and applications in tissue engineering. Materials Today Chemistry, 2021, 22, 100612.	1.7	11
11	Inclusion of Cross-Linked Elastin in Gelatin/PEG Hydrogels Favourably Influences Fibroblast Phenotype. Polymers, 2020, 12, 670.	2.0	17
12	Photocurable Albumin Methacryloyl Hydrogels as a Versatile Platform for Tissue Engineering. ACS Applied Bio Materials, 2020, 3, 920-934.	2.3	33
13	Low Dose of Paclitaxel Combined with XAV939 Attenuates Metastasis, Angiogenesis and Growth in Breast Cancer by Suppressing Wnt Signaling. Cells, 2019, 8, 892.	1.8	61
14	5-hydroxymethylfurfural-embedded poly (vinyl alcohol)/sodium alginate hybrid hydrogels accelerate wound healing. International Journal of Biological Macromolecules, 2019, 138, 933-949.	3.6	51
15	Epithelial-mesenchymal transition of cancer cells using bioengineered hybrid scaffold composed of hydrogel/3D-fibrous framework. Scientific Reports, 2019, 9, 8997.	1.6	30
16	Gelatin methacryloyl and its hydrogels with an exceptional degree of controllability and batch-to-batch consistency. Scientific Reports, 2019, 9, 6863.	1.6	204
17	Microbial transglutaminase induced controlled crosslinking of gelatin methacryloyl to tailor rheological properties for 3D printing. Biofabrication, 2019, 11, 025011.	3.7	76
18	5-Hydroxymethylfurfural Mitigates Lipopolysaccharide-Stimulated Inflammation via Suppression of MAPK, NF-Î¹B and mTOR Activation in RAW 264.7 Cells. Molecules, 2019, 24, 275.	1.7	55

#	Article	IF	Citations
19	A bilayer swellable drug-eluting ureteric stent: Localized drug delivery to treat urothelial diseases. Biomaterials, 2018, 165, 25-38.	5.7	37
20	Potential Roles of Dental Pulp Stem Cells in Neural Regeneration and Repair. Stem Cells International, 2018, 2018, 1-15.	1.2	101
21	Hydrolytic Stability of Methacrylamide and Methacrylate in Gelatin Methacryloyl and Decoupling of Gelatin Methacrylamide from Gelatin Methacryloyl through Hydrolysis. Macromolecular Chemistry and Physics, 2018, 219, 1800266.	1.1	26
22	Preparation of Photocurable Hydrogels. , 2018, , 265-283.		1
23	Colloidal templating of highly ordered gelatin methacryloyl-based hydrogel platforms for three-dimensional tissue analogues. NPG Asia Materials, 2017, 9, e412-e412.	3.8	42
24	A dual crosslinking strategy to tailor rheological properties of gelatin methacryloylÂ. International Journal of Bioprinting, 2017, 3, 130.	1.7	41
25	Synthesis and Characterization of Types A and B Gelatin Methacryloyl for Bioink Applications. Materials, 2016, 9, 797.	1.3	154
26	Synthesis of stiffnessâ€tunable and cellâ€responsive Gelatinâ€“poly(ethylene glycol) hydrogel for threeâ€dimensional cell encapsulation. Journal of Biomedical Materials Research - Part A, 2016, 104, 2401-2411.	2.1	31
27	Precise Tuning of Facile One-Pot Gelatin Methacryloyl (GelMA) Synthesis. Scientific Reports, 2016, 6, 31036.	1.6	270
28	Modulation of Huh7.5 Spheroid Formation and Functionality Using Modified PEG-Based Hydrogels of Different Stiffness. PLoS ONE, 2015, 10, e0118123.	1.1	47
29	Efficient and controllable synthesis of highly substituted gelatin methacrylamide for mechanically stiff hydrogels. RSC Advances, 2015, 5, 106094-106097.	1.7	118
30	Influence of soluble PEG-OH incorporation in a 3D cell-laden PEG-fibrinogen (PF) hydrogel on smooth muscle cell morphology and growth. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 394-409.	1.9	11