

Bae Hoon Lee

List of Publications by Year in descending order

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30
papers

1,481
citations

430874

18
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise Tuning of Facile One-Pot Gelatin Methacryloyl (GelMA) Synthesis. <i>Scientific Reports</i> , 2016, 6, 31036.	3.3	270
2	Gelatin methacryloyl and its hydrogels with an exceptional degree of controllability and batch-to-batch consistency. <i>Scientific Reports</i> , 2019, 9, 6863.	3.3	204
3	Synthesis and Characterization of Types A and B Gelatin Methacryloyl for Bioink Applications. <i>Materials</i> , 2016, 9, 797.	2.9	154
4	Efficient and controllable synthesis of highly substituted gelatin methacrylamide for mechanically stiff hydrogels. <i>RSC Advances</i> , 2015, 5, 106094-106097.	3.6	118
5	Potential Roles of Dental Pulp Stem Cells in Neural Regeneration and Repair. <i>Stem Cells International</i> , 2018, 2018, 1-15.	2.5	101
6	Microbial transglutaminase induced controlled crosslinking of gelatin methacryloyl to tailor rheological properties for 3D printing. <i>Biofabrication</i> , 2019, 11, 025011.	7.1	76
7	Low Dose of Paclitaxel Combined with XAV939 Attenuates Metastasis, Angiogenesis and Growth in Breast Cancer by Suppressing Wnt Signaling. <i>Cells</i> , 2019, 8, 892.	4.1	61
8	5-Hydroxymethylfurfural Mitigates Lipopolysaccharide-Stimulated Inflammation via Suppression of MAPK, NF- κ B and mTOR Activation in RAW 264.7 Cells. <i>Molecules</i> , 2019, 24, 275.	3.8	55
9	5-hydroxymethylfurfural-embedded poly (vinyl alcohol)/sodium alginate hybrid hydrogels accelerate wound healing. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 933-949.	7.5	51
10	Modulation of Huh7.5 Spheroid Formation and Functionality Using Modified PEG-Based Hydrogels of Different Stiffness. <i>PLoS ONE</i> , 2015, 10, e0118123.	2.5	47
11	Colloidal templating of highly ordered gelatin methacryloyl-based hydrogel platforms for three-dimensional tissue analogues. <i>NPG Asia Materials</i> , 2017, 9, e412-e412.	7.9	42
12	A dual crosslinking strategy to tailor rheological properties of gelatin methacryloyl. <i>International Journal of Bioprinting</i> , 2017, 3, 130.	3.4	41
13	A bilayer swellable drug-eluting ureteric stent: Localized drug delivery to treat urothelial diseases. <i>Biomaterials</i> , 2018, 165, 25-38.	11.4	37
14	Photocurable Albumin Methacryloyl Hydrogels as a Versatile Platform for Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2020, 3, 920-934.	4.6	33
15	Synthesis of stiffness-tunable and cell-responsive Gelatin-poly(ethylene glycol) hydrogel for three-dimensional cell encapsulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2401-2411.	4.0	31
16	Epithelial-mesenchymal transition of cancer cells using bioengineered hybrid scaffold composed of hydrogel/3D-fibrous framework. <i>Scientific Reports</i> , 2019, 9, 8997.	3.3	30
17	Hydrolytic Stability of Methacrylamide and Methacrylate in Gelatin Methacryloyl and Decoupling of Gelatin Methacrylamide from Gelatin Methacryloyl through Hydrolysis. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800266.	2.2	26
18	Hydrogel composite scaffolds with an attenuated immunogenicity component for bone tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2033-2041.	5.8	20

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19	Inclusion of Cross-Linked Elastin in Gelatin/PEG Hydrogels Favourably Influences Fibroblast Phenotype. <i>Polymers</i> , 2020, 12, 670.	4.5	17
20	Influence of soluble PEG-OH incorporation in a 3D cell-laden PEG-fibrinogen (PF) hydrogel on smooth muscle cell morphology and growth. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 394-409.	3.5	11
21	Personalized hydrogels for individual health care: preparation, features, and applications in tissue engineering. <i>Materials Today Chemistry</i> , 2021, 22, 100612.	3.5	11
22	Comparison of globular albumin methacryloyl and random-coil gelatin methacryloyl: Preparation, hydrogel properties, cell behaviors, and mineralization. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 692-708.	7.5	11
23	Highly substituted decoupled gelatin methacrylamide free of hydrolyzable methacrylate impurities: An optimum choice for long-term stability and cytocompatibility. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 479-490.	7.5	10
24	Facile Fabrication of Transparent and Opaque Albumin Methacryloyl Gels with Highly Improved Mechanical Properties and Controlled Pore Structures. <i>Gels</i> , 2022, 8, 367.	4.5	9
25	Novel biohybrid spongy scaffolds for fabrication of suturable intraoral graft substitutes. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 617-631.	7.5	9
26	An Engineered Protein-Based Building Block (Albumin Methacryloyl) for Fabrication of a 3D In Vitro Cryogel Model. <i>Gels</i> , 2022, 8, 404.	4.5	4
27	Bioactive micropatterned platform to engineer myotube-like cells from stem cells. <i>Biofabrication</i> , 2021, 13, 035017.	7.1	1
28	Preparation of Photocurable Hydrogels. , 2018, , 265-283.		1
29	Pristane-induced mammary carcinomas. <i>Methods in Cell Biology</i> , 2021, 163, 187-195.	1.1	0
30	Facile Fabrication of Povidone Iodine-Embedded Polytetrafluoroethylene Superhydrophobic Films with Improved Antiadhesive and Bactericidal Properties in Bacterial Environments. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100193.	3.6	0