Jisoo Shin

List of Publications by Year in descending order

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27 papers	2,072 citations	393982 19 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	3587 citing authors

#	Article	IF	Citations
1	Tissue Adhesive Catecholâ€Modified Hyaluronic Acid Hydrogel for Effective, Minimally Invasive Cell Therapy. Advanced Functional Materials, 2015, 25, 3814-3824.	7.8	351
2	Bioinspired, Calcium-Free Alginate Hydrogels with Tunable Physical and Mechanical Properties and Improved Biocompatibility. Biomacromolecules, 2013, 14, 2004-2013.	2.6	242
3	Liver Extracellular Matrix Providing Dual Functions of Two-Dimensional Substrate Coating and Three-Dimensional Injectable Hydrogel Platform for Liver Tissue Engineering. Biomacromolecules, 2014, 15, 206-218.	2.6	199
4	Polydopamine-Assisted Osteoinductive Peptide Immobilization of Polymer Scaffolds for Enhanced Bone Regeneration by Human Adipose-Derived Stem Cells. Biomacromolecules, 2013, 14, 3202-3213.	2.6	196
5	Three-Dimensional Electroconductive Hyaluronic Acid Hydrogels Incorporated with Carbon Nanotubes and Polypyrrole by Catechol-Mediated Dispersion Enhance Neurogenesis of Human Neural Stem Cells. Biomacromolecules, 2017, 18, 3060-3072.	2.6	144
6	Electrospun Silk Fibroin Nanofibrous Scaffolds with Two-Stage Hydroxyapatite Functionalization for Enhancing the Osteogenic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells. ACS Applied Materials & Interfaces, 2018, 10, 7614-7625.	4.0	117
7	High-resolution acoustophoretic 3D cell patterning to construct functional collateral cylindroids for ischemia therapy. Nature Communications, 2018, 9, 5402.	5.8	116
8	Catechol-Functionalized Hyaluronic Acid Hydrogels Enhance Angiogenesis and Osteogenesis of Human Adipose-Derived Stem Cells in Critical Tissue Defects. Biomacromolecules, 2016, 17, 1939-1948.	2.6	113
9	Tissue Tapesâ€”Phenolic Hyaluronic Acid Hydrogel Patches for Offâ€theâ€Shelf Therapy. Advanced Functional Materials, 2019, 29, 1903863.	7.8	97
10	Fungal brain infection modelled in a human-neurovascular-unit-on-a-chip with a functional bloodâ€“brain barrier. Nature Biomedical Engineering, 2021, 5, 830-846.	11.6	83
11	Ascidianâ€Inspired Fastâ€Forming Hydrogel System for Versatile Biomedical Applications: Pyrogallol Chemistry for Dual Modes of Crosslinking Mechanism. Advanced Functional Materials, 2018, 28, 1705244.	7.8	68
12	Osteoconductive hybrid hyaluronic acid hydrogel patch for effective bone formation. Journal of Controlled Release, 2020, 327, 571-583.	4.8	51
13	Tissue-Adhesive Chondroitin Sulfate Hydrogel for Cartilage Reconstruction. ACS Biomaterials Science and Engineering, 2021, 7, 4230-4243.	2.6	43
14	In Situ Self-Cross-Linkable, Long-Term Stable Hyaluronic Acid Filler by Gallol Autoxidation for Tissue Augmentation and Wrinkle Correction. Chemistry of Materials, 2019, 31, 9614-9624.	3.2	35
15	Nanostructured Tendon-Derived Scaffolds for Enhanced Bone Regeneration by Human Adipose-Derived Stem Cells. ACS Applied Materials & Interfaces, 2016, 8, 22819-22829.	4.0	33
16	Synthesis of electroconductive hydrogel films by an electro-controlled click reaction and their application to drug delivery systems. Polymer Chemistry, 2015, 6, 4473-4478.	1.9	29
17	Mussel Adhesionâ€Inspired Reverse Transfection Platform Enhances Osteogenic Differentiation and Bone Formation of Human Adiposeâ€Derived Stem Cells. Small, 2016, 12, 6266-6278.	5.2	25
18	Graded functionalization of biomaterial surfaces using mussel-inspired adhesive coating of polydopamine. Colloids and Surfaces B: Biointerfaces, 2017, 159, 546-556.	2.5	23

#	Article	IF	Citations
19	Effects of a Catechol-Functionalized Hyaluronic Acid Patch Combined with Human Adipose-Derived Stem Cells in Diabetic Wound Healing. International Journal of Molecular Sciences, 2021, 22, 2632.	1.8	23
20	Reconstruction of Muscle Fascicleâ€Like Tissues by Anisotropic 3D Patterning. Advanced Functional Materials, 2021, 31, 2006227.	7.8	21
21	Nonviral delivery for reprogramming to pluripotency and differentiation. Archives of Pharmacal Research, 2014, 37, 107-119.	2.7	15
22	Regeneration of irradiation-damaged esophagus by local delivery of mesenchymal stem-cell spheroids encapsulated in a hyaluronic-acid-based hydrogel. Biomaterials Science, 2021, 9, 2197-2208.	2.6	13
23	Wrinkledâ€Surface Mediated Reverse Transfection Platform for Highly Efficient, Addressable Gene Delivery. Advanced Healthcare Materials, 2016, 5, 2025-2030.	3.9	11
24	Prevention of irradiation-induced damage to salivary glands by local delivery of adipose-derived stem cells via hyaluronic acid-based hydrogels. Journal of Industrial and Engineering Chemistry, 2020, 90, 47-57.	2.9	7
25	Alginate-Catechol Cross-Linking Interferes with Insulin Secretion Capacity in Isolated Murine Islet Cells. Diabetes and Metabolism Journal, 2018, 42, 164.	1.8	6
26	Angiogenic Type I Collagen Extracellular Matrix Integrated with Recombinant Bacteriophages Displaying Vascular Endothelial Growth Factors. Advanced Healthcare Materials, 2016, 5, 205-212.	3.9	4
27	Tissue Reconstruction: Tissue Adhesive Catecholâ€Modified Hyaluronic Acid Hydrogel for Effective, Minimally Invasive Cell Therapy (Adv. Funct. Mater. 25/2015). Advanced Functional Materials, 2015, 25, 3798-3798.	7.8	3