

Yoonmi Hong

List of Publications by Year in descending order

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39
papers

929
citations

430874

18
h-index

477307

29
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41
all docs

41
docs citations

41
times ranked

1756
citing authors

#	ARTICLE	IF	CITATIONS
1	The mode and dynamics of glioblastoma cell invasion into a decellularized tissue-derived extracellular matrix-based three-dimensional tumor model. <i>Scientific Reports</i> , 2018, 8, 4608.	3.3	115
2	Matrix stiffness epigenetically regulates the oncogenic activation of the Yes-associated protein in gastric cancer. <i>Nature Biomedical Engineering</i> , 2021, 5, 114-123.	22.5	65
3	Strategies of Mesenchymal Invasion of Patient-derived Brain Tumors: Microenvironmental Adaptation. <i>Scientific Reports</i> , 2016, 6, 24912.	3.3	62
4	Hyaluronic acid-based extracellular matrix triggers spontaneous M2-like polarity of monocyte/macrophage. <i>Biomaterials Science</i> , 2019, 7, 2264-2271.	5.4	60
5	c-MYC Drives Breast Cancer Metastasis to the Brain, but Promotes Synthetic Lethality with TRAIL. <i>Molecular Cancer Research</i> , 2019, 17, 544-554.	3.4	51
6	Dynamic Fracture of Nonglassy Suspensions. <i>Physical Review Letters</i> , 2013, 110, 148304.	7.8	47
7	Droplet-based microtumor model to assess cell-ECM interactions and drug resistance of gastric cancer cells. <i>Scientific Reports</i> , 2017, 7, 41541.	3.3	47
8	Increased extracellular matrix density disrupts E-cadherin/ β 2-catenin complex in gastric cancer cells. <i>Biomaterials Science</i> , 2018, 6, 2704-2713.	5.4	47
9	Inhibition of glioblastoma tumorspheres by combined treatment with 2-deoxyglucose and metformin. <i>Neuro-Oncology</i> , 2017, 19, now174.	1.2	43
10	Capillarity ion concentration polarization for spontaneous biomolecular preconcentration mechanism. <i>Biomicrofluidics</i> , 2016, 10, 014102.	2.4	36
11	Inhibiting stemness and invasive properties of glioblastoma tumorsphere by combined treatment with temozolomide and a newly designed biguanide (HL156A). <i>Oncotarget</i> , 2016, 7, 65643-65659.	1.8	35
12	Nanoengineered, cell-derived extracellular matrix influences ECM-related gene expression of mesenchymal stem cells. <i>Biomaterials Research</i> , 2018, 22, 32.	6.9	31
13	Extracellular Matrix-Based Hydrogels to Tailoring Tumor Organoids. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4128-4135.	5.2	25
14	Microdroplet-based cell culture models and their application. <i>Biochip Journal</i> , 2016, 10, 310-317.	4.9	24
15	Artificial Slanted Nanocilia Array as a Mechanotransducer for Controlling Cell Polarity. <i>ACS Nano</i> , 2017, 11, 730-741.	14.6	22
16	In Vitro Reconstruction of Brain Tumor Microenvironment. <i>Biochip Journal</i> , 2019, 13, 1-7.	4.9	21
17	A polyethylene glycol-based hydrogel as macroporous scaffold for tumorsphere formation of glioblastoma multiforme. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 10-15.	5.8	20
18	Mild Reduction of the Cancer Cell Surface as an Anti-invasion Treatment. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35676-35680.	8.0	19

#	ARTICLE	IF	CITATIONS
19	On-Chip Fabrication of a Cell-Derived Extracellular Matrix Sheet. ACS Biomaterials Science and Engineering, 2017, 3, 3546-3552.	5.2	18
20	Poly(ethylene glycol) (PEG) microwells in microfluidics: Fabrication methods and applications. Biochip Journal, 2014, 8, 241-253.	4.9	14
21	Isolation and characterization of tumorspheres from a recurrent pineoblastoma patient: Feasibility of a patient-derived xenograft. International Journal of Oncology, 2016, 49, 569-578.	3.3	14
22	Targeting extracellular matrix glycation to attenuate fibroblast activation. Acta Biomaterialia, 2022, 141, 255-263.	8.3	12
23	Wrinkledâ€Surface Mediated Reverse Transfection Platform for Highly Efficient, Addressable Gene Delivery. Advanced Healthcare Materials, 2016, 5, 2025-2030.	7.6	11
24	Extracellular vesicle (EV)-polyphenol nanoaggregates for microRNA-based cancer diagnosis. NPG Asia Materials, 2019, 11, .	7.9	10
25	Brain physiome: A concept bridging in vitro 3D brain models and in silico models for predicting drug toxicity in the brain. Bioactive Materials, 2022, 13, 135-148.	15.6	10
26	Nanoxerography utilizing bipolar charge patterns. Applied Physics Letters, 2012, 101, .	3.3	9
27	Astrocyteâ€Encapsulated Hydrogel Microfibers Enhance Neuronal Circuit Generation. Advanced Healthcare Materials, 2020, 9, 1901072.	7.6	9
28	Crack/Fold Hybrid Structure-Based Fluidic Networks Inspired by the Epidermis of Desert Lizards. ACS Applied Materials & Interfaces, 2016, 8, 28418-28423.	8.0	7
29	The dynamics of interacting folds under biaxial compressive stresses. Soft Matter, 2016, 12, 3502-3506.	2.7	7
30	Controlling Wrinkle Propagation in the Bilayer System with Thicknessâ€Gradient. Advanced Materials Interfaces, 2018, 5, 1701109.	3.7	7
31	Time series assessment of the effects of hypoxic stress on glioma tumorsphere development within engineered microscale niches. Biomaterials, 2019, 194, 171-182.	11.4	7
32	Cancer Cell-Sticky Hydrogels to Target the Cell Membrane of Invading Glioblastomas. ACS Applied Materials & Interfaces, 2021, 13, 31371-31378.	8.0	7
33	Time-Dependent Retention of Nanotopographical Cues in Differentiated Neural Stem Cells. ACS Biomaterials Science and Engineering, 2019, 5, 3802-3807.	5.2	5
34	Tris(2-carboxyethyl)phosphine-Mediated Nanometric Extracellular Matrix-Coating Method of Mesenchymal Stem Cells. ACS Biomaterials Science and Engineering, 2020, 6, 813-821.	5.2	5
35	Re-engineered cell-derived extracellular matrix as a new approach to clarify the role of native ECM. Methods in Cell Biology, 2020, 156, 205-231.	1.1	4
36	Spatially Controlled Folding Instability of Moduliâ€Patterned and Bilayered Membrane under Compressive Stresses. Advanced Materials Interfaces, 2016, 3, 1600105.	3.7	2

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37	Microfluidic on-chip immunohistochemistry directly from a paraffin-embedded section. <i>Biomicrofluidics</i> , 2018, 12, 044110.	2.4	1
38	Introduction: themed issue dedicated to Professor Kahp-Yang Suh. <i>Lab on A Chip</i> , 2014, 14, 2143.	6.0	0
39	Fluidâ€“Matrix Interface Triggers a Heterogeneous Activation of Macrophages. <i>ACS Applied Bio Materials</i> , 2020, 3, 4294-4301.	4.6	0