Hojeong Jeon

List of Publications by Year
in descending order

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51 papers	2,132 citations	304368 22 h-index	223531 46 g-index
51 all docs	51 docs citations	51 times ranked	3733 citing authors

#	Article	IF	Citations
1	Long-term clinical study and multiscale analysis of in vivo biodegradation mechanism of Mg alloy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 716-721.	3.3	337
2	Electrospun Fibrous Scaffolds for Tissue Engineering: Viewpoints on Architecture and Fabrication. International Journal of Molecular Sciences, 2018, 19, 745.	1.8	327
3	Directing cell migration and organization via nanocrater-patterned cell-repellent interfaces. Nature Materials, 2015, 14, 918-923.	13.3	159
4	Femtosecond laser ablation enhances cell infiltration into three-dimensional electrospun scaffolds. Acta Biomaterialia, 2012, 8, 2648-2658.	4.1	118
5	The effect of micronscale anisotropic cross patterns on fibroblast migration. Biomaterials, 2010, 31, 4286-4295.	5.7	106
6	Single cell detection using a glass-based optofluidic device fabricated by femtosecond laser pulses. Lab on A Chip, 2009, 9, 311-318.	3.1	105
7	Femtosecond laser ablation induced plasma characteristics from submicron craters in thin metal film. Applied Physics Letters, 2007, 91, .	1.5	61
8	Engineering copper nanoparticles synthesized on the surface of carbon nanotubes for anti-microbial and anti-biofilm applications. Nanoscale, 2018, 10, 15529-15544.	2.8	61
9	Graphene folds by femtosecond laser ablation. Applied Physics Letters, 2012, 100, .	1.5	60
10	Corrosion behavior of biodegradable Mg-based alloys via femtosecond laser surface melting. Applied Surface Science, 2018, 448, 424-434.	3.1	60
11	Chemical Patterning of Ultrathin Polymer Films by Direct-Write Multiphoton Lithography. Journal of the American Chemical Society, 2011, 133, 6138-6141.	6.6	46
12	Creating Hierarchical Topographies on Fibrous Platforms Using Femtosecond Laser Ablation for Directing Myoblasts Behavior. ACS Applied Materials & Interfaces, 2016, 8, 3407-3417.	4.0	42
13	Engineering an aligned endothelial monolayer on a topologically modified nanofibrous platform with a micropatterned structure produced by femtosecond laser ablation. Journal of Materials Chemistry B, 2017, 5, 318-328.	2.9	42
14	Anti-Tumor Drug-Loaded Oxygen Nanobubbles for the Degradation of HIF-1Î± and the Upregulation of Reactive Oxygen Species in Tumor Cells. Cancers, 2019, 11, 1464.	1.7	41
15	Self-standing aligned fiber scaffold fabrication by two photon photopolymerization. Biomedical Microdevices, 2009, 11, 643-652.	1.4	37
16	Quantitative analysis of single bacterial chemotaxis using a linear concentration gradient microchannel. Biomedical Microdevices, 2009, 11, 1135-1143.	1.4	37
17	Nanoscale laser processing and diagnostics. Applied Physics A: Materials Science and Processing, 2009, 96, 289-306.	1.1	37
18	Durable and Fatigueâ€Resistant Soft Peripheral Neuroprosthetics for In Vivo Bidirectional Signaling. Advanced Materials, 2021, 33, e2007346.	11.1	37

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19	Comprehensive study on the roles of released ions from biodegradable Mg-5Âwt% Ca-1Âwt% Zn alloy in bone regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2710-2724.	1.3	33
20	Synthesis and Functionalization of Î²-Glucan Particles for the Effective Delivery of Doxorubicin Molecules. ACS Omega, 2019, 4, 668-674.	1.6	32
21	DNA aptamer immobilized hydroxyapatite for enhancing angiogenesis and bone regeneration. Acta Biomaterialia, 2019, 99, 469-478.	4.1	31
22	Robust Hydroxyapatite Coating by Laserâ€Induced Hydrothermal Synthesis. Advanced Functional Materials, 2020, 30, 2005233.	7.8	29
23	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
24	Measurement of contractile forces generated by individual fibroblasts on self-standing fiber scaffolds. Biomedical Microdevices, 2011, 13, 107-115.	1.4	22
25	Magnesium Corrosion Triggered Spontaneous Generation of H₂O₂ on Oxidized Titanium for Promoting Angiogenesis. Angewandte Chemie - International Edition, 2015, 54, 14753-14757.	7.2	22
26	Laser ablation-induced spectral plasma characteristics in optical far- and near fields. Journal of Applied Physics, 2008, 104, 013110.	1.1	20
27	Three-dimensional opto-fluidic devices fabricated by ultrashort laser pulses for high throughput single cell detection and processing. Applied Physics A: Materials Science and Processing, 2009, 96, 385-390.	1.1	18
28	Regulation of cell locomotion by nanosecond-laser-induced hydroxyapatite patterning. Bioactive Materials, 2021, 6, 3608-3619.	8.6	17
29	Spatially Assembled Bilayer Cell Sheets of Stem Cells and Endothelial Cells Using Thermosensitive Hydrogels for Therapeutic Angiogenesis. Advanced Healthcare Materials, 2017, 6, 1601340.	3.9	16
30	Lubricant-infused directly engraved nano-microstructures for mechanically durable endoscope lens with anti-biofouling and anti-fogging properties. Scientific Reports, 2020, 10, 17454.	1.6	16
31	Femtosecond laser induced nano-textured micropatterning to regulate cell functions on implanted biomaterials. Acta Biomaterialia, 2020, 116, 138-148.	4.1	16
32	Fabrication of cell sheets with anisotropically aligned myotubes using thermally expandable micropatterned hydrogels. Macromolecular Research, 2016, 24, 562-572.	1.0	15
33	Genetically Engineered Phage Induced Selective H9c2 Cardiomyocytes Patterning in PDMS Microgrooves. Materials, 2017, 10, 973.	1.3	13
34	Ultrathin Metal Films with Defined Topographical Structures as In Vitro Cell Culture Platforms for Unveiling Vascular Cell Behaviors. Advanced Healthcare Materials, 2016, 5, 2396-2405.	3.9	11
35	Femtosecond laser-mediated anchoring of polymer layers on the surface of a biodegradable metal. Journal of Magnesium and Alloys, 2021, 9, 1373-1373.	5.5	11
36	Current Immunotherapy Approaches for Malignant Melanoma. Biochip Journal, 2019, 13, 105-114.	2.5	10

#	Article	IF	Citations
37	Improving hydroxyapatite coating ability on biodegradable metal through laser-induced hydrothermal coating in liquid precursor: Application in orthopedic implants. Bioactive Materials, 2023, 25, 796-806.	8.6	10
38	Structures for biomimetic, fluidic, and biological applications. MRS Bulletin, 2016, 41, 993-1001.	1.7	8
39	Collective Migration of Lens Epithelial Cell Induced by Differential Microscale Groove Patterns. Journal of Functional Biomaterials, 2017, 8, 34.	1.8	8
40	Recent Advances in 1D Nanomaterialâ€Based Bioelectronics for Healthcare Applications. Advanced NanoBiomed Research, 2022, 2, .	1.7	8
41	Interface Engineering of Fully Metallic Stents Enabling Controllable H2O2Generation for Antirestenosis. Langmuir, 2019, 35, 3634-3642.	1.6	6
42	Effect of spatial arrangement and structure of hierarchically patterned fibrous scaffolds generated by a femtosecond laser on cardiomyoblast behavior. Journal of Biomedical Materials Research - Part A, 2018, 106, 1732-1742.	2.1	5
43	Synergistic stimulation of surface topography and biphasic electric current promotes muscle regeneration. Bioactive Materials, 2022, 11, 118-129.	8.6	5
44	Recombinant Phage Coated 1D Al2O3Nanostructures for Controlling the Adhesion and Proliferation of Endothelial Cells. BioMed Research International, 2015, 2015, 1-6.	0.9	3
45	On/off switchable physical stimuli regulate the future direction of adherent cellular fate. Journal of Materials Chemistry B, 2021, 9, 5560-5571.	2.9	3
46	Improvement of Yttrium Oxyfluoride Coating with Modified Precursor Solution for Laser-Induced Hydrothermal Synthesis. Coatings, 2022, 12, 740.	1.2	3
47	Development of Organic/Inorganic Hybrid Materials for Fully Degradable Reactive Oxygen Species-Releasing Stents for Antirestenosis. Langmuir, 0, , .	1.6	2
48	Neuroprosthetics: Durable and Fatigueâ€Resistant Soft Peripheral Neuroprosthetics for In Vivo Bidirectional Signaling (Adv. Mater. 20/2021). Advanced Materials, 2021, 33, 2170157.	11.1	1
49	Femtosecond Laser Ablation of Polymer Thin Films for Nanometer Precision Surface Patterning. Journal of the Korean Institute of Surface Engineering, 2016, 49, 20-25.	0.1	0
50	Micropatterning on Biodegradable Nanofiber Scaffolds by Femtosecond Laser Ablation Process. Journal of the Korean Institute of Surface Engineering, 2016, 49, 555-559.	0.1	0
51	Recent Advances in 1D Nanomaterialâ€Based Bioelectronics for Healthcare Applications. Advanced NanoBiomed Research, 2022, 2, .	1.7	0