

Hojeong Jeon

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,132
citations

304368

22
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223531

46
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all docs

51
docs citations

51
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving hydroxyapatite coating ability on biodegradable metal through laser-induced hydrothermal coating in liquid precursor: Application in orthopedic implants. <i>Bioactive Materials</i> , 2023, 25, 796-806.	8.6	10
2	Synergistic stimulation of surface topography and biphasic electric current promotes muscle regeneration. <i>Bioactive Materials</i> , 2022, 11, 118-129.	8.6	5
3	Recent Advances in 1D Nanomaterial-Based Bioelectronics for Healthcare Applications. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	0
4	Recent Advances in 1D Nanomaterial-Based Bioelectronics for Healthcare Applications. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	8
5	Improvement of Yttrium Oxyfluoride Coating with Modified Precursor Solution for Laser-Induced Hydrothermal Synthesis. <i>Coatings</i> , 2022, 12, 740.	1.2	3
6	On/off switchable physical stimuli regulate the future direction of adherent cellular fate. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5560-5571.	2.9	3
7	Femtosecond laser-mediated anchoring of polymer layers on the surface of a biodegradable metal. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 1373-1373.	5.5	11
8	Durable and Fatigue-Resistant Soft Peripheral Neuroprosthetics for In Vivo Bidirectional Signaling. <i>Advanced Materials</i> , 2021, 33, e2007346.	11.1	37
9	Neuroprosthetics: Durable and Fatigue-Resistant Soft Peripheral Neuroprosthetics for In Vivo Bidirectional Signaling (Adv. Mater. 20/2021). <i>Advanced Materials</i> , 2021, 33, 2170157.	11.1	1
10	Regulation of cell locomotion by nanosecond-laser-induced hydroxyapatite patterning. <i>Bioactive Materials</i> , 2021, 6, 3608-3619.	8.6	17
11	Lubricant-infused directly engraved nano-microstructures for mechanically durable endoscope lens with anti-biofouling and anti-fogging properties. <i>Scientific Reports</i> , 2020, 10, 17454.	1.6	16
12	Robust Hydroxyapatite Coating by Laser-Induced Hydrothermal Synthesis. <i>Advanced Functional Materials</i> , 2020, 30, 2005233.	7.8	29
13	Femtosecond laser induced nano-textured micropatterning to regulate cell functions on implanted biomaterials. <i>Acta Biomaterialia</i> , 2020, 116, 138-148.	4.1	16
14	DNA aptamer immobilized hydroxyapatite for enhancing angiogenesis and bone regeneration. <i>Acta Biomaterialia</i> , 2019, 99, 469-478.	4.1	31
15	Anti-Tumor Drug-Loaded Oxygen Nanobubbles for the Degradation of HIF-1 \pm and the Upregulation of Reactive Oxygen Species in Tumor Cells. <i>Cancers</i> , 2019, 11, 1464.	1.7	41
16	Current Immunotherapy Approaches for Malignant Melanoma. <i>Biochip Journal</i> , 2019, 13, 105-114.	2.5	10
17	Interface Engineering of Fully Metallic Stents Enabling Controllable H ₂ O ₂ Generation for Antirestenosis. <i>Langmuir</i> , 2019, 35, 3634-3642.	1.6	6
18	Synthesis and Functionalization of β -Glucan Particles for the Effective Delivery of Doxorubicin Molecules. <i>ACS Omega</i> , 2019, 4, 668-674.	1.6	32

#	ARTICLE	IF	CITATIONS
19	Corrosion behavior of biodegradable Mg-based alloys via femtosecond laser surface melting. Applied Surface Science, 2018, 448, 424-434.	3.1	60
20	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
21	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
22	Electrospun Fibrous Scaffolds for Tissue Engineering: Viewpoints on Architecture and Fabrication. International Journal of Molecular Sciences, 2018, 19, 745.	1.8	327
23	Comprehensive study on the roles of released ions from biodegradable Mg-5Åwt% Ca-1Åwt% Zn alloy in bone regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2710-2724.	1.3	33
24	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
25	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
26	Collective Migration of Lens Epithelial Cell Induced by Differential Microscale Groove Patterns. Journal of Functional Biomaterials, 2017, 8, 34.	1.8	8
27	Genetically Engineered Phage Induced Selective H9c2 Cardiomyocytes Patterning in PDMS Microgrooves. Materials, 2017, 10, 973.	1.3	13
28	Fabrication of cell sheets with anisotropically aligned myotubes using thermally expandable micropatterned hydrogels. Macromolecular Research, 2016, 24, 562-572.	1.0	15
29	Structures for biomimetic, fluidic, and biological applications. MRS Bulletin, 2016, 41, 993-1001.	1.7	8
30	Mussel Adhesion-Inspired Reverse Transfection Platform Enhances Osteogenic Differentiation and Bone Formation of Human Adipose-Derived Stem Cells. Small, 2016, 12, 6266-6278.	5.2	25
31	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
32	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
33	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
34	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
35	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
36	Magnesium Corrosion Triggered Spontaneous Generation of H ₂ O ₂ on Oxidized Titanium for Promoting Angiogenesis. Angewandte Chemie - International Edition, 2015, 54, 14753-14757.	7.2	22

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37	Recombinant Phage Coated 1D Al ₂ O ₃ Nanostructures for Controlling the Adhesion and Proliferation of Endothelial Cells. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	3
38	Directing cell migration and organization via nanocrater-patterned cell-repellent interfaces. <i>Nature Materials</i> , 2015, 14, 918-923.	13.3	159
39	Femtosecond laser ablation enhances cell infiltration into three-dimensional electrospun scaffolds. <i>Acta Biomaterialia</i> , 2012, 8, 2648-2658.	4.1	118
40	Graphene folds by femtosecond laser ablation. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	60
41	Chemical Patterning of Ultrathin Polymer Films by Direct-Write Multiphoton Lithography. <i>Journal of the American Chemical Society</i> , 2011, 133, 6138-6141.	6.6	46
42	Measurement of contractile forces generated by individual fibroblasts on self-standing fiber scaffolds. <i>Biomedical Microdevices</i> , 2011, 13, 107-115.	1.4	22
43	The effect of micronscale anisotropic cross patterns on fibroblast migration. <i>Biomaterials</i> , 2010, 31, 4286-4295.	5.7	106
44	Self-standing aligned fiber scaffold fabrication by two photon photopolymerization. <i>Biomedical Microdevices</i> , 2009, 11, 643-652.	1.4	37
45	Quantitative analysis of single bacterial chemotaxis using a linear concentration gradient microchannel. <i>Biomedical Microdevices</i> , 2009, 11, 1135-1143.	1.4	37
46	Nanoscale laser processing and diagnostics. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 289-306.	1.1	37
47	Three-dimensional opto-fluidic devices fabricated by ultrashort laser pulses for high throughput single cell detection and processing. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 385-390.	1.1	18
48	Single cell detection using a glass-based optofluidic device fabricated by femtosecond laser pulses. <i>Lab on A Chip</i> , 2009, 9, 311-318.	3.1	105
49	Laser ablation-induced spectral plasma characteristics in optical far- and near fields. <i>Journal of Applied Physics</i> , 2008, 104, 013110.	1.1	20
50	Femtosecond laser ablation induced plasma characteristics from submicron craters in thin metal film. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	61
51	Development of Organic/Inorganic Hybrid Materials for Fully Degradable Reactive Oxygen Species-Releasing Stents for Antirestenosis. <i>Langmuir</i> , 0, , .	1.6	2