Jongseong Kim

List of Publications by Year in descending order

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38	1,635	516710 16	345221 36
papers	citations	h-index	g-index

41	41	41	2102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioresponsive Hydrogel Microlenses. Journal of the American Chemical Society, 2005, 127, 9588-9592.	13.7	275
2	A mechanically stabilized receptorâ€“ligand flex-bond important in the vasculature. Nature, 2010, 466, 992-995.	27.8	251
3	Hydrogel Microparticles as Dynamically Tunable Microlenses. Journal of the American Chemical Society, 2004, 126, 9512-9513.	13.7	155
4	Label-Free Biosensing with Hydrogel Microlenses. Angewandte Chemie - International Edition, 2006, 45, 1446-1449.	13.8	148
5	Colloidal Hydrogel Microlenses. Advanced Materials, 2004, 16, 184-187.	21.0	122
6	In-Situ AFM Studies of the Phase-Transition Behavior of Single Thermoresponsive Hydrogel Particles. Langmuir, 2007, 23, 130-137.	3.5	109
7	INO80 exchanges H2A.Z for H2A by translocating on DNA proximal to histone dimers. Nature Communications, 2017, 8, 15616.	12.8	105
8	Photoswitchable Microlens Arrays. Angewandte Chemie - International Edition, 2005, 44, 1333-1336.	13.8	90
9	Direct Thrombus Imaging in Stroke. Journal of Stroke, 2016, 18, 286-296.	3.2	39
10	Lysine Acetylation Facilitates Spontaneous DNA Dynamics in the Nucleosome. Journal of Physical Chemistry B, 2015, 119, 15001-15005.	2.6	37
11	Force-induced on-rate switching and modulation by mutations in gain-of-function von Willebrand diseases. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4648-4653.	7.1	34
12	Influence of Ancillary Binding and Nonspecific Adsorption on Bioresponsive Hydrogel Microlenses. Biomacromolecules, 2007, 8, 1157-1161.	5.4	31
13	Displacement-Induced Switching Rates of Bioresponsive Hydrogel Microlenses. Chemistry of Materials, 2007, 19, 2527-2532.	6.7	30
14	Single-Molecule Observation Reveals Spontaneous Protein Dynamics in the Nucleosome. Journal of Physical Chemistry B, 2016, 120, 8925-8931.	2.6	24
15	Label-Free Analysis of Multivalent Protein Binding Using Bioresponsive Nanogels and Surface Plasmon Resonance (SPR). ACS Applied Materials & Interfaces, 2020, 12, 5413-5419.	8.0	20
16	Engineering Biomaterials to Guide Heart Cells for Matured Cardiac Tissue. Coatings, 2020, 10, 925.	2.6	17
17	Collagen Type I Containing Hybrid Hydrogel Enhances Cardiomyocyte Maturation in a 3D Cardiac Model. Polymers, 2019, 11, 687.	4.5	14
18	Modulating cardiomyocyte and fibroblast interaction using layer-by-layer deposition facilitates synchronisation of cardiac macro tissues. Soft Matter, 2020, 16, 428-434.	2.7	12

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19	Traction microscopy with integrated microfluidics: responses of the multi-cellular island to gradients of HGF. Lab on A Chip, 2019, 19, 1579-1588.	6.0	11
20	Comparison of Angiogenic Activities of Three Neuropeptides, Substance P, Secretoneurin, and Neuropeptide Y Using Myocardial Infarction. Tissue Engineering and Regenerative Medicine, 2018, 15, 493-502.	3.7	9
21	Direct observation of ligand-induced receptor dimerization with a bioresponsive hydrogel. RSC Advances, 2014, 4, 65173-65175.	3.6	8
22	Characterization of a Functional Hydrogel Layer on a Silicon-Based Grating Waveguide for a Biochemical Sensor. Sensors, 2016, 16, 914.	3.8	8
23	Thermoresponsive Behavior of Magnetic Nanoparticle Complexed pNIPAm-co-AAc Microgels. Applied Sciences (Switzerland), 2018, 8, 1984.	2.5	8
24	Recapitulating Cardiac Structure and Function In Vitro from Simple to Complex Engineering. Micromachines, 2021, 12, 386.	2.9	8
25	Characterization of Responsive Hydrogel Nanoparticles upon Polyelectrolyte Complexation. Polymers, 2017, 9, 66.	4.5	6
26	Development of Magnetic Torque Stimulation (MTS) Utilizing Rotating Uniform Magnetic Field for Mechanical Activation of Cardiac Cells. Nanomaterials, 2020, 10, 1684.	4.1	6
27	New Tool for Rapid and Accurate Detection of Interleukin-2 and Soluble Interleukin-2 Receptor Î± in Cancer Diagnosis Using a Bioresponsive Microgel and Multivalent Protein Binding. ACS Applied Materials & Interfaces, 2021, 13, 33782-33789.	8.0	6
28	Influence of surfactant structure on surfactant sorption and diesel removal from kaolin soil. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 915-928.	1.7	5
29	Spectroscopic Assessment of Gold Nanoparticle Biodistribution Using Surface Plasmon Resonance Phenomena. ACS Biomaterials Science and Engineering, 2019, 5, 6389-6394.	5.2	5
30	Tuning Surface Plasmon Resonance Responses through Size and Crosslinking Control of Multivalent Protein Binding-Capable Nanoscale Hydrogels. ACS Biomaterials Science and Engineering, 2022, 8, 2878-2889.	5.2	4
31	INFLUENCE OF ALCOHOL COSURFACTANTS ON SURFACTANT-ENHANCED FLUSHING OF DIESEL-CONTAMINATED SOIL. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 1051-1062.	1.7	3
32	Multidimensional assembly using layer-by-layer deposition for synchronized cardiac macro tissues. RSC Advances, 2020, 10, 18806-18815.	3.6	2
33	Traction Microscopy Integrated with Microfluidics for Chemotactic Collective Migration. Journal of Visualized Experiments, 2019, , .	0.3	1
34	Analyzing the Effect of Social Distancing Policies on Traffic at Sinchon Station, South Korea, during the COVID-19 Pandemic in 2020 and 2021. International Journal of Environmental Research and Public Health, 2022, 19, 8535.	2.6	1
35	On-Rate Switching under Force Increases the Binding of von Willebrand Factor A1 to GPIbÎ±. Biophysical Journal, 2016, 110, 636a.	0.5	0
36	A Hybrid Single Molecule Method to Investigate Sub-Nanometer Dynamics of DNA and Protein at a sub-ms Resolution. Biophysical Journal, 2016, 110, 635a.	0.5	0

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37	Enhancement of the static extinction ratio by using a dual-section distributed feedback laser integrated with an electro-absorption modulator. Journal of the Korean Physical Society, 2016, 69, 745-748.	0.7	0
38	Activation of A1 Domain Adhesiveness in von Willebrand Factor by Elongational Force. Blood, 2012, 120, SCI-16-SCI-16.	1.4	0