

Xiaofei Yuan

List of Publications by Year in descending order

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papers

776
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687363

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22
times ranked

1109
citing authors

#	ARTICLE	IF	CITATIONS
1	Slippery for scaling resistance in membrane distillation: A novel porous micropillared superhydrophobic surface. <i>Water Research</i> , 2019, 155, 152-161.	11.3	183
2	Preparation of Bionanoreactor Based on Core-Shell Structured Polyion Complex Micelles Entrapping Trypsin in the Core Cross-Linked with Glutaraldehyde. <i>Bioconjugate Chemistry</i> , 2004, 15, 344-348.	3.6	128
3	Stabilization of Lysozyme-Incorporated Polyion Complex Micelles by the α -End Derivatization of Poly(ethylene glycol)- β -Poly(L,L'-aspartic acid) Block Copolymers with Hydrophobic Groups. <i>Langmuir</i> , 2005, 21, 2668-2674.	3.5	82
4	2- and 3-dimensional synthetic large-scale de novo patterning by mammalian cells through phase separation. <i>Scientific Reports</i> , 2016, 6, 20664.	3.3	71
5	Characterization of stable lysozyme-entrapped polyion complex (PIC) micelles with crosslinked core by glutaraldehyde. <i>Polymer</i> , 2005, 46, 7749-7758.	3.8	57
6	Effect of Laser Irradiation on Cell Function and Its Implications in Raman Spectroscopy. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	40
7	High-Performance Immunolatex Possessing a Mixed-PEG/Antibody Coimmobilized Surface: Highly Sensitive Ferritin Immunodiagnosics. <i>Analytical Chemistry</i> , 2009, 81, 1549-1556.	6.5	32
8	Automated Raman based cell sorting with 3D microfluidics. <i>Lab on A Chip</i> , 2020, 20, 4235-4245.	6.0	26
9	Development of a high-performance immunolatex based on "soft landing" antibody immobilization mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 45-52.	5.0	23
10	Controlled Dispersion and Purification of Protein-Carbon Nanotube Conjugates Using Guanidine Hydrochloride. <i>Chemistry - A European Journal</i> , 2010, 16, 12221-12228.	3.3	18
11	Structure and Activity Assay of Nanozymes Prepared by the Coimmobilization of Practically Useful Enzymes and Hydrophilic Block Copolymers on Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 6903-6909.	3.5	17
12	Creating "Living" Polymer Surfaces to Pattern Biomolecules and Cells on Common Plastics. <i>Biomacromolecules</i> , 2013, 14, 1278-1286.	5.4	17
13	Single-Cell Microfluidics to Study the Effects of Genome Deletion on Bacterial Growth Behavior. <i>ACS Synthetic Biology</i> , 2017, 6, 2219-2227.	3.8	17
14	Restoration of chondrocytic phenotype on a two-dimensional micropatterned surface. <i>Biointerphases</i> , 2015, 10, 011003.	1.6	14
15	Efficient Inhibition of Interfacial Nonspecific Interaction to Create Practically Utilizable High Ferritin-Response Immunolatex. <i>Analytical Chemistry</i> , 2009, 81, 10097-10105.	6.5	11
16	High PEGylation efficiency of pentaethylenhexamine-end poly(ethylene glycol) (mPEG-N6) for active-ester surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 25-29.	5.0	11
17	A novel culture system for modulating single cell geometry in 3D. <i>Acta Biomaterialia</i> , 2015, 24, 228-240.	8.3	10
18	Symmetry-breaking in branching epithelia: cells on micro-patterns under flow challenge the hypothesis of positive feedback by a secreted autocrine inhibitor of motility. <i>Journal of Anatomy</i> , 2017, 230, 766-774.	1.5	7

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19	Improvement of the thermal stability of streptavidin immobilized on magnetic beads by the construction of a mixed poly(ethylene glycol) tethered-chain layer. <i>Polymer Journal</i> , 2011, 43, 493-496.	2.7	6
20	A 3D hydrodynamic flow-focusing device for cell sorting. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	2.2	5
21	Design of Highly Functional Antiferritin-Immunolatex by Hybridization of Antiferritin/Mixed-PEG Polymers onto Polystyrene Submicroparticles. <i>ACS Symposium Series</i> , 2010, , 243-258.	0.5	1
22	Linking cell shape, elasticity and fate: <i>in vitro</i> re-differentiation of chondrocytes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0