

Fang Cheng

List of Publications by Year in descending order

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32
papers

764
citations

687363

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526287

27
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33
all docs

33
docs citations

33
times ranked

1269
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmon Resonance Biosensor Based on Smart Phone Platforms. <i>Scientific Reports</i> , 2015, 5, 12864.	3.3	218
2	Biofunctional Paper via the Covalent Modification of Cellulose. <i>Langmuir</i> , 2012, 28, 11265-11273.	3.5	72
3	Gelatin Nanoparticle-Injectable Platelet-Rich Fibrin Double Network Hydrogels with Local Adaptability and Bioactivity for Enhanced Osteogenesis. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901469.	7.6	60
4	An Organophosphonate Strategy for Functionalizing Silicon Photonic Biosensors. <i>Langmuir</i> , 2012, 28, 3338-3344.	3.5	50
5	A Versatile Method for Functionalizing Surfaces with Bioactive Glycans. <i>Bioconjugate Chemistry</i> , 2011, 22, 50-57.	3.6	43
6	<p>The neurotoxicity induced by engineered nanomaterials</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4167-4186.	6.7	41
7	Amino acid-based anti-fouling functionalization of silica nanoparticles using divinyl sulfone. <i>Acta Biomaterialia</i> , 2016, 40, 273-281.	8.3	37
8	Reactivity and Kinetics of Vinyl Sulfone-Functionalized Self-Assembled Monolayers for Bioactive Ligand Immobilization. <i>Langmuir</i> , 2015, 31, 3413-3421.	3.5	33
9	Site-Specific and Covalent Immobilization of His-Tagged Proteins via Surface Vinyl Sulfone-Imidazole Coupling. <i>Langmuir</i> , 2019, 35, 16466-16475.	3.5	25
10	Surface Modification of StÄrber Silica Nanoparticles with Controlled Moiety Densities Determines Their Cytotoxicity Profiles in Macrophages. <i>Langmuir</i> , 2019, 35, 14688-14695.	3.5	24
11	Antibody-Ligand Interactions for Hydrophobic Charge-Induction Chromatography: A Surface Plasmon Resonance Study. <i>Langmuir</i> , 2015, 31, 3422-3430.	3.5	19
12	Multilayer Assembly of Tannic Acid and an Amphiphilic Copolymer Poloxamer 188 on Planar Substrates toward Multifunctional Surfaces with Discrete Microdome-Shaped Features. <i>Langmuir</i> , 2018, 34, 10748-10756.	3.5	15
13	Poly(ethylene) glycol hydrogel based on oxa-Michael reaction: Precursor synthesis and hydrogel formation. <i>Biointerphases</i> , 2017, 12, 02C414.	1.6	14
14	Molecular Dynamics Simulation of the Effect of Carbon Space Lengths on the Antifouling Properties of Hydroxyalkyl Acrylamides. <i>Langmuir</i> , 2019, 35, 3576-3584.	3.5	14
15	Activation of resin with controllable ligand density via catalytic oxa-Michael addition and application in antibody purification. <i>Journal of Chromatography A</i> , 2018, 1570, 1-9.	3.7	13
16	New Strategy for Functionalization of Silica Materials via Catalytic Oxa-Michael Reaction of Surface Silanol Groups with Vinyl Sulfones. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9112-9120.	6.7	13
17	Fast-responding functional DNA superstructures for stimuli-triggered protein release. <i>Chemical Science</i> , 2021, 12, 8282-8287.	7.4	13
18	Controlling Conjugated Antibodies at the Molecular Level for Active Targeting Nanoparticles toward HER2-Positive Cancer Cells. <i>Molecular Pharmaceutics</i> , 2021, 18, 1196-1207.	4.6	11

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19	pSBMA-Conjugated Magnetic Nanoparticles for Selective IgG Separation. <i>Langmuir</i> , 2019, 35, 1111-1118.	3.5	10
20	Epoxy-Amine microgels-mediated green preparation of gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 94-101.	4.7	6
21	Versatile, Oxygen-Insensitive Surface-Initiated Anionic Polymerization to Prepare Functional Polymer Brushes in Aqueous Solutions. <i>Langmuir</i> , 2022, 38, 1001-1010.	3.5	6
22	Preparation and characterization of DNA array slides via surface Michael addition. <i>Biointerphases</i> , 2019, 14, 061003.	1.6	5
23	Bisepoxide-Jeffamine microgel synthesis and application toward heterogeneous surface morphology for differential neuronal/non-neuronal cell responses in vitro. <i>Colloids and Surfaces B: Biointerphases</i> , 2021, 207, 112009.	5.0	4
24	Cationic polymeric template-mediated preparation of silica nanocomposites. <i>Soft Matter</i> , 2021, 17, 8995-9007.	2.7	4
25	Controllable functionalization of hydroxyl-terminated self-assembled monolayers via catalytic oxa-Michael reaction. <i>Biointerphases</i> , 2018, 13, 06E407.	1.6	3
26	Glycosylated Self-Assembled Monolayers for Arrays and Surface Analysis. <i>Methods in Molecular Biology</i> , 2012, 808, 87-101.	0.9	3
27	Silicification of Amine-Epoxy Cationic Microgels: An In Vitro Investigation. <i>Langmuir</i> , 2021, 37, 4331-4339.	3.5	2
28	Gelatin-Based Colloidal Versus Monolithic Gels to Regulate Macrophage-Mediated Inflammatory Response. <i>Tissue Engineering - Part C: Methods</i> , 2022, 28, 351-362.	2.1	2
29	Microgels-on-macrogel: A simple cytophilic surface makeover of soft agarose substrates. <i>Jcis Open</i> , 2022, 7, 100056.	3.2	2
30	Complexation of tannic acid with polyoxypropylene diamine in water and application for the preparation of hierarchically structured functional surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127201.	4.7	1
31	Mechanistic understanding of the discrete morphology formed by multi-cycle assembly of tannic acid with Poloxamer 188 on silicon using QMC-D. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127302.	4.7	0
32	Developing G value as an indicator for assessing the molecular status of immobilized antibody. <i>Colloids and Surfaces B: Biointerphases</i> , 2022, 217, 112593.	5.0	0