Hong Chen

List of Publications by Year
in descending order

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176	14,369	57681 46	23173 116
papers	citations	h-index	g-index

176	176	176	16586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual-functional bacterial cellulose modified with phase-transitioned proteins and gold nanorods combining antifouling and photothermal bactericidal properties. Journal of Materials Science and Technology, 2022, 110, 14-23.	5.6	31
2	A novel Y-shaped photoiniferter used for the construction of polydimethylsiloxane surfaces with antibacterial and antifouling properties. Journal of Materials Chemistry B, 2022, 10, 262-270.	2.9	8
3	A Photothermal Nanoplatform with Sugar-Triggered Cleaning Ability for High-Efficiency Intracellular Delivery. ACS Applied Materials & Interfaces, 2022, 14, 2618-2628.	4.0	8
4	Glycopolymer Engineering of the Cell Surface Changes the Single Cell Migratory Direction and Inhibits the Collective Migration of Cancer Cells. ACS Applied Materials & Interfaces, 2022, 14, 4921-4930.	4.0	5
5	One-step surface modification strategy with composition-tunable microgels: From bactericidal surface to cell-friendly surface. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112372.	2.5	5
6	Vascular cell behavior on glycocalyxâ€“mimetic surfaces: Simultaneous mimicking of the chemical composition and topographical structure of the vascular endothelial glycocalyx. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112337.	2.5	8
7	Oxygenâ€Demanding Photocontrolled RAFT Polymerization Under Ambient Conditions. Macromolecular Rapid Communications, 2022, 43, e2100920.	2.0	11
8	Robust, anti-biofouling 2D nanogel films from poly(N-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (caprolactam-co-v	2.9	3
9	Preparation of Î±,Ï‰â€heterobifunctionalized poly(Nâ€vinylpyrrolidone) via a bisâ€clickable <scp>RAFT</scp> reagent. Journal of Polymer Science, 2022, 60, 1954-1961.	2.0	2
10	Transparent and superhydrophilic antifogging coatings constructed by poly(N-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T 128724.	2.3	12
11	Dendritic cells maturation facilitated by group-adjustable lipopolysaccharide analogues synthesized via RAFT polymerization. Chinese Chemical Letters, 2022, 33, 4331-4334.	4.8	7
12	Optimizing the Bacteriostatic and Cytocompatibility Properties of Poly(hexamethylene guanidine) Hydrochloride (PHMG) via the Guanidine/Alkane Ratio. Biomacromolecules, 2022, 23, 2170-2183.	2.6	8
13	Introducing SuFEx click chemistry into aliphatic polycarbonates: a novel toolbox/platform for post-modification as biomaterials. Journal of Materials Chemistry B, 2022, 10, 5203-5210.	2.9	2
14	Photothermal bactericidal surfaces: killing bacteria using light instead of biocides. Biomaterials Science, 2021, 9, 10-22.	2.6	109
15	Dual-function antibacterial surfaces to resist and kill bacteria: Painting a picture with two brushes simultaneously. Journal of Materials Science and Technology, 2021, 70, 24-38.	5.6	93
16	Synthesis and antifouling performance of tadpole-shaped poly(N-hydroxyethylacrylamide) coatings. Journal of Materials Chemistry B, 2021, 9, 2877-2884.	2.9	9
17	Feasible Fabrication of Hollow Micro-vesicles by Non-amphiphilic Macromolecules Based on Interfacial Cononsolvency. Chinese Journal of Polymer Science (English Edition), 2021, 39, 856-864.	2.0	1
18	Ultrahigh Efficiency and Minimalist Intracellular Delivery of Macromolecules Mediated by Latent-Photothermal Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 12594-12602.	4.0	8

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19	The role of carboxylic groups in heparin-mimicking polymer-functionalized surfaces for blood compatibility: Enhanced vascular cell selectivity. Colloids and Surfaces B: Biointerfaces, 2021, 201, 111653.	2.5	6
20	Immune Effect Regulated by the Chain Length: Interaction between Immune Cell Surface Receptors and Synthetic Glycopolymers. ACS Applied Materials & Interfaces, 2021, 13, 36859-36867.	4.0	6
21	Blastocyst-Inspired Hydrogels to Maintain Undifferentiation of Mouse Embryonic Stem Cells. ACS Nano, 2021, 15, 14162-14173.	7.3	8
22	Dual-Functional Surfaces Based on an Antifouling Polymer and a Natural Antibiofilm Molecule: Prevention of Biofilm Formation without Using Biocides. ACS Applied Materials & Interfaces, 2021, 13, 45191-45200.	4.0	33
23	Vascular cell behavior on heparin-like polymers modified silicone surfaces: The prominent role of the lotus leaf-like topography. Journal of Colloid and Interface Science, 2021, 603, 501-510.	5.0	17
24	Universal Antifouling and Photothermal Antibacterial Surfaces Based on Multifunctional Metalâ€“Phenolic Networks for Prevention of Biofilm Formation. ACS Applied Materials & Interfaces, 2021, 13, 48403-48413.	4.0	44
25	Harnessing superhydrophobic coatings for enhancing the surface corrosion resistance of magnesium alloys. Journal of Materials Chemistry B, 2021, 9, 9893-9899.	2.9	15
26	Smart, Photothermally Activated, Antibacterial Surfaces with Thermally Triggered Bacteria-Releasing Properties. ACS Applied Materials & Interfaces, 2020, 12, 21283-21291.	4.0	116
27	A Universal Platform for Highâ€Efficiency â€œEngineeringâ€•Living Cells: Integration of Cell Capture, Intracellular Delivery of Biomolecules, and Cell Harvesting Functions. Advanced Functional Materials, 2020, 30, 1906362.	7.8	34
28	Nitric Oxide-Generating Antiplatelet Polyurethane Surfaces with Multiple Additional Biofunctions via Cyclodextrin-Based Hostâ€“Guest Interactions. ACS Applied Bio Materials, 2020, 3, 570-576.	2.3	12
29	Promoting the activation of T cells with glycopolymer-modified dendritic cells by enhancing cell interactions. Science Advances, 2020, 6, .	4.7	35
30	Vascular cell responses to silicone surfaces grafted with heparin-like polymers: surface chemical compositionvs.topographic patterning. Journal of Materials Chemistry B, 2020, 8, 9151-9161.	2.9	15
31	Reactive films fabricated using click sulfur(<scp>vi</scp>)â€“fluoride exchange reactions via layer-by-layer assembly. Journal of Materials Chemistry B, 2020, 8, 5529-5534.	2.9	10
32	Bacteria mimics bearing carbohydrates, oligodeoxynucleotides and designed shapes. Chemical Communications, 2020, 56, 10887-10889.	2.2	3
33	Ultralow Crosslinked Microgel Brings Ultrahigh Catalytic Efficiency. Macromolecular Rapid Communications, 2020, 41, 2000135.	2.0	5
34	Tri-functional platform for the facile construction of dual-functional surfaces via a one-pot strategy. Journal of Materials Chemistry B, 2020, 8, 5602-5605.	2.9	4
35	Surface-Mediated Intracellular Delivery by Physical Membrane Disruption. ACS Applied Materials & Interfaces, 2020, 12, 31054-31078.	4.0	22
36	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	3.2	117

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37	Chemical Surface Modification of Polymeric Biomaterials for Biomedical Applications. Macromolecular Rapid Communications, 2020, 41, e1900430.	2.0	86
38	Polarization of Macrophages, Cellular Adhesion, and Spreading on Bacterially Contaminated Gold Nanoparticle-Coatings in Vitro. ACS Biomaterials Science and Engineering, 2020, 6, 933-945.	2.6	8
39	Multistimulus Responsive Biointerfaces with Switchable Bioadhesion and Surface Functions. ACS Applied Materials & Interfaces, 2020, 12, 5447-5455.	4.0	55
40	Universal Antibacterial Surfaces Fabricated from Quaternary Ammonium Salt-Based PNIPAM Microgels. ACS Applied Materials & Interfaces, 2020, 12, 19268-19276.	4.0	48
41	Dual Pathway for Promotion of Stem Cell Neural Differentiation Mediated by Gold Nanocomposites. ACS Applied Materials & Interfaces, 2020, 12, 22066-22073.	4.0	14
42	Microfluidic Silk Fibers with Aligned Hierarchical Microstructures. ACS Biomaterials Science and Engineering, 2020, 6, 2847-2854.	2.6	18
43	Antibacterial coatings based on microgels containing quaternary ammonium ions: Modification with polymeric sugars for improved cytocompatibility. Colloids and Interface Science Communications, 2020, 37, 100268.	2.0	19
44	Efficient Heterodifunctional Unimolecular Ringâ€Closure Method for Cyclic Polymers by Combining RAFT and SuFEx Click Reactions. Macromolecular Rapid Communications, 2019, 40, 1900310.	2.0	16
45	Ultralow Self-Cross-Linked Poly(N-isopropylacrylamide) Microgels Prepared by Solvent Exchange. Langmuir, 2019, 35, 13991-13998.	1.6	6
46	Enhancement of Bactericidal Activity via Cyclic Poly(cationic liquid) Brushes. Macromolecular Rapid Communications, 2019, 40, e1900379.	2.0	12
47	Chemical synthesis of glycosaminoglycan-mimetic polymers. Polymer Chemistry, 2019, 10, 164-171.	1.9	25
48	Small addition of Zn²⁺ in Ca²⁺@DNA results in elevated gene transfection by aminated PGMA-modified silicon nanowire arrays. Journal of Materials Chemistry B, 2019, 7, 566-575.	2.9	6
49	A rapid one-step surface functionalization of polyvinyl chloride by combining click sulfur(<scp>vi</scp>)-fluoride exchange with benzophenone photochemistry. Chemical Communications, 2019, 55, 858-861.	2.2	28
50	Sustained release of a synthetic structurally-tailored glycopolymer modulates endothelial cells for enhanced endothelialization of materials. Journal of Materials Chemistry B, 2019, 7, 4017-4029.	2.9	8
51	Improved neural differentiation of stem cells mediated by magnetic nanoparticle-based biophysical stimulation. Journal of Materials Chemistry B, 2019, 7, 4161-4168.	2.9	29
52	Structureâ€“Chemical Modification Relationships with Silk Materials. ACS Biomaterials Science and Engineering, 2019, 5, 2762-2768.	2.6	17
53	Synthesis of glycopolymers with specificity for bacterial strains via bacteria-guided polymerization. Chemical Science, 2019, 10, 5251-5257.	3.7	32
54	Gold nanoparticleâ€“protein conjugate dually-responsive to pH and temperature for modulation of enzyme activity. Journal of Materials Chemistry B, 2019, 7, 3260-3267.	2.9	14

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55	Take Immune Cells Back on Track: Glycopolymer-Engineered Tumor Cells for Triggering Immune Response. ACS Macro Letters, 2019, 8, 337-344.	2.3	32
56	Two-in-One Platform for High-Efficiency Intracellular Delivery and Cell Harvest: When a Photothermal Agent Meets a Thermoresponsive Polymer. ACS Applied Materials & Interfaces, 2019, 11, 12357-12366.	4.0	35
57	Design, Synthesis, and Application of a Difunctional Y-Shaped Surface-Tethered Photoinitiator. Langmuir, 2019, 35, 3470-3478.	1.6	9
58	One-step preparation of gold nanovectors using folate modified polyethylenimine and their use in target-specific gene transfection. Colloids and Surfaces B: Biointerfaces, 2019, 177, 306-312.	2.5	10
59	Protein-resistant properties of poly(N-vinylpyrrolidone)-modified gold surfaces: The advantage of bottle-brushes over linear brushes. Colloids and Surfaces B: Biointerfaces, 2019, 177, 448-453.	2.5	25
60	Modular Polymers as a Platform for Cell Surface Engineering: Promoting Neural Differentiation and Enhancing the Immune Response. ACS Applied Materials & Interfaces, 2019, 11, 47720-47729.	4.0	18
61	Glutathione-Sensitive Silicon Nanowire Arrays for Gene Transfection. ACS Applied Materials & Interfaces, 2019, 11, 46515-46524.	4.0	12
62	Responsive and Synergistic Antibacterial Coatings: Fighting against Bacteria in a Smart and Effective Way. Advanced Healthcare Materials, 2019, 8, e1801381.	3.9	270
63	A facile method to prepare a versatile surface coating with fibrinolytic activity, vascular cell selectivity and antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2018, 167, 28-35.	2.5	17
64	Tissue-engineered Vascular Grafts: Balance of the Four Major Requirements. Colloids and Interface Science Communications, 2018, 23, 34-44.	2.0	53
65	Polydopamineâ€“polyethylene glycolâ€“albumin antifouling coatings on multiple substrates. Journal of Materials Chemistry B, 2018, 6, 940-949.	2.9	52
66	A supramolecular approach for versatile biofunctionalization of magnetic nanoparticles. Journal of Materials Chemistry B, 2018, 6, 2198-2203.	2.9	27
67	Sweet Switch: Sugar-Responsive Bioactive Surfaces Based on Dynamic Covalent Bonding. ACS Applied Materials & Interfaces, 2018, 10, 10647-10655.	4.0	41
68	Sulfonate Groups and Saccharides as Essential Structural Elements in Heparin-Mimicking Polymers Used as Surface Modifiers: Optimization of Relative Contents for Antithrombogenic Properties. ACS Applied Materials & Interfaces, 2018, 10, 1440-1449.	4.0	38
69	Combining Click Sulfur(VI)â€Fluoride Exchange with Photoiniferters: A Facile, Fast, and Efficient Strategy for Postpolymerization Modification. Macromolecular Rapid Communications, 2018, 39, 1700523.	2.0	17
70	Microfluidic channels with renewable and switchable biological functionalities based on hostâ€“guest interactions. Journal of Materials Chemistry B, 2018, 6, 8055-8063.	2.9	8
71	Facile fabrication of a â€œCatch and Releaseâ€•cellulose acetate nanofiber interface: a platform for reversible glycoprotein capture and bacterial attachment. Journal of Materials Chemistry B, 2018, 6, 6744-6751.	2.9	13
72	Gold nanoparticle layer: a versatile nanostructured platform for biomedical applications. Materials Chemistry Frontiers, 2018, 2, 2175-2190.	3.2	36

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73	Fabrication of Supramolecular Bioactive Surfaces via Î²-Cyclodextrin-Based Hostâ€“Guest Interactions. ACS Applied Materials & Interfaces, 2018, 10, 36585-36601.	4.0	58
74	Universal intracellular biomolecule delivery with precise dosage control. Science Advances, 2018, 4, eaat8131.	4.7	95
75	Regenerable smart antibacterial surfaces: full removal of killed bacteria via a sequential degradable layer. Journal of Materials Chemistry B, 2018, 6, 3946-3955.	2.9	71
76	Controlled synthesis of diverse single-chain polymeric nanoparticles using polymers bearing furan-protected maleimide moieties. Polymer Chemistry, 2018, 9, 3238-3247.	1.9	17
77	â€œClick-chemicalâ€•modification of cellulose acetate nanofibers: a versatile platform for biofunctionalization. Journal of Materials Chemistry B, 2018, 6, 4579-4582.	2.9	17
78	Self-assembled proteinaceous wound dressings attenuate secondary trauma and improve wound healing in vivo. Journal of Materials Chemistry B, 2018, 6, 4645-4655.	2.9	57
79	Using porous magnetic iron oxide nanomaterials as a facile photoporation nanoplatform for macromolecular delivery. Journal of Materials Chemistry B, 2018, 6, 4427-4436.	2.9	29
80	A hemocompatible polyurethane surface having dual fibrinolytic and nitric oxide generating functions. Journal of Materials Chemistry B, 2017, 5, 980-987.	2.9	16
81	Supramolecular Platform with Switchable Multivalent Affinity: Photo-Reversible Capture and Release of Bacteria. ACS Applied Materials & Interfaces, 2017, 9, 3505-3513.	4.0	70
82	Promoting neural differentiation of embryonic stem cells using Î²-cyclodextrin sulfonate. Journal of Materials Chemistry B, 2017, 5, 1896-1900.	2.9	16
83	A supramolecular bioactive surface for specific binding of protein. Colloids and Surfaces B: Biointerfaces, 2017, 152, 192-198.	2.5	12
84	Synthesis of star-glycopolymers by Cu(0)-mediated radical polymerisation in the absence and presence of oxygen. RSC Advances, 2017, 7, 8484-8490.	1.7	13
85	Glycosaminoglycans (GAGs) and GAG mimetics regulate the behavior of stem cell differentiation. Colloids and Surfaces B: Biointerfaces, 2017, 150, 175-182.	2.5	43
86	Intracellular Delivery Platform for â€œRecalcitrantâ€•Cells: When Polymeric Carrier Marries Photoporation. ACS Applied Materials & Interfaces, 2017, 9, 21593-21598.	4.0	22
87	Synthetic Glycopolymers for Highly Efficient Differentiation of Embryonic Stem Cells into Neurons: Lipo- or Not?. ACS Applied Materials & Interfaces, 2017, 9, 11518-11527.	4.0	29
88	â€œHearing Lossâ€•in QCM Measurement of Protein Adsorption to Protein Resistant Polymer Brush Layers. Analytical Chemistry, 2017, 89, 4184-4191.	3.2	31
89	A reusable supramolecular platform for the specific capture and release of proteins and bacteria. Journal of Materials Chemistry B, 2017, 5, 444-453.	2.9	47
90	A multifunctional surface for blood contact with fibrinolytic activity, ability to promote endothelial cell adhesion and inhibit smooth muscle cell adhesion. Journal of Materials Chemistry B, 2017, 5, 604-611.	2.9	20

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91	Thrombosisâ€Responsive Thrombolytic Coating Based on Thrombinâ€Degradable Tissue Plasminogen Activator (tâ€PA) Nanocapsules. Advanced Functional Materials, 2017, 27, 1703934.	7.8	35
92	Smart Antibacterial Surfaces with Switchable Bacteria-Killing and Bacteria-Releasing Capabilities. ACS Applied Materials & Interfaces, 2017, 9, 37511-37523.	4.0	308
93	Effects of polymer topology on biointeractions of polymer brushes: Comparison of cyclic and linear polymers. Colloids and Surfaces B: Biointerfaces, 2017, 159, 527-532.	2.5	13
94	Multifunctional gold nanoparticle layers for controllable capture and release of proteins. Nanoscale, 2017, 9, 15407-15415.	2.8	10
95	Smart Biointerface with Photoswitched Functions between Bactericidal Activity and Bacteria-Releasing Ability. ACS Applied Materials & Interfaces, 2017, 9, 25767-25774.	4.0	120
96	Deciphering the Role of Sulfonated Unit in Heparin-Mimicking Polymer to Promote Neural Differentiation of Embryonic Stem Cells. ACS Applied Materials & Interfaces, 2017, 9, 28209-28221.	4.0	31
97	Long-range interactions between protein-coated particles and POEGMA brush layers in a serum environment. Colloids and Surfaces B: Biointerfaces, 2017, 150, 279-287.	2.5	7
98	A Universal Platform for Macromolecular Deliveryinto Cells Using Gold Nanoparticle Layers via the Photoporation Effect. Advanced Functional Materials, 2016, 26, 5787-5795.	7.8	55
99	Salt-responsive polyzwitterionic materials for surface regeneration between switchable fouling and antifouling properties. Acta Biomaterialia, 2016, 40, 62-69.	4.1	74
100	Recyclable Escherichia coli-Specific-Killing AuNPâ€“Polymer (ESKAP) Nanocomposites. ACS Applied Materials & Interfaces, 2016, 8, 11309-11317.	4.0	48
101	An antithrombotic hydrogel with thrombin-responsive fibrinolytic activity: breaking down the clot as it forms. Materials Horizons, 2016, 3, 556-562.	6.4	34
102	A Universal and Versatile Approach for Surface Biofunctionalization: Layerâ€byâ€Layer Assembly Meets Hostâ€“Guest Chemistry. Advanced Materials Interfaces, 2016, 3, 1600600.	1.9	43
103	Efficient Transfection by Using PDMAEMA-Modified SiNWAs as a Platform for Ca²⁺-Dependent Gene Delivery. ACS Applied Materials & Interfaces, 2016, 8, 15138-15144.	4.0	17
104	Antibacterial surfaces based on poly(cationic liquid) brushes: switchability between killing and releasing via anion counterion switching. Journal of Materials Chemistry B, 2016, 4, 6111-6116.	2.9	30
105	One-step synthesis of glycoprotein mimics in vitro: improvement of protein activity, stability and application in CPP hydrolysis. Journal of Materials Chemistry B, 2016, 4, 5437-5445.	2.9	11
106	Synthesis of lipo-glycopolymers for cell surface engineering. Polymer Chemistry, 2016, 7, 7287-7294.	1.9	17
107	Multifunctional and Regenerable Antibacterial Surfaces Fabricated by a Universal Strategy. ACS Applied Materials & Interfaces, 2016, 8, 30048-30057.	4.0	114
108	A Smart Antibacterial Surface for the Onâ€Demand Killing and Releasing of Bacteria. Advanced Healthcare Materials, 2016, 5, 449-456.	3.9	128

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109	Improvement of Site-Directed Proteinâ€“Polymer Conjugates: High Bioactivity and Stability Using a Soft Chain-Transfer Agent. ACS Applied Materials & Interfaces, 2016, 8, 15967-15974.	4.0	17
110	Multifunctional nanoparticleâ€“protein conjugates with controllable bioactivity and pH responsiveness. Nanoscale, 2016, 8, 4387-4394.	2.8	20
111	Bioinspired Blood Compatible Surface Having Combined Fibrinolytic and Vascular Endotheliumâ€Like Properties via a Sequential Coimmobilization Strategy. Advanced Functional Materials, 2015, 25, 5206-5213.	7.8	53
112	Regulation of Protein Binding Capability of Surfaces via Hostâ€“Guest Interactions: Effects of Localized and Average Ligand Density. Langmuir, 2015, 31, 6172-6178.	1.6	23
113	Reversible Bacterial Adhesion on Mixed Poly(dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (methacrylate/E	1.6	24
114	Improving the protein activity and stability under acidic conditions via site-specific conjugation of a pH-responsive polyelectrolyte. Journal of Materials Chemistry B, 2015, 3, 498-504.	2.9	22
115	Dual-function antibacterial surfaces for biomedical applications. Acta Biomaterialia, 2015, 16, 1-13.	4.1	354
116	Modulating the Activity of Protein Conjugated to Gold Nanoparticles by Site-Directed Orientation and Surface Density of Bound Protein. ACS Applied Materials & Interfaces, 2015, 7, 3717-3724.	4.0	88
117	Efficient cancer cell capturing SiNWAs prepared via surface-initiated SET-LRP and click chemistry. Polymer Chemistry, 2015, 6, 3708-3715.	1.9	22
118	Conjugation of polymers to proteins through an inhibitor-derived peptide: taking up the inhibitor â€œberthâ€• Chemical Communications, 2015, 51, 10099-10102.	2.2	8
119	Temperature-Responsive Poly(N-isopropylacrylamide) Modified Gold Nanoparticleâ€“Protein Conjugates for Bioactivity Modulation. ACS Applied Materials & Interfaces, 2015, 7, 11547-11554.	4.0	44
120	New â€œX-typeâ€•second-order nonlinear optical (NLO) dendrimers: fewer chromophore moieties and high NLO effects. Journal of Materials Chemistry C, 2015, 3, 4545-4552.	2.7	31
121	Dendronized hyperbranched polymers containing isolation chromophores: design, synthesis and further enhancement of the comprehensive NLO performance. Polymer Chemistry, 2015, 6, 5580-5589.	1.9	40
122	Improvement in the Thermal Stability of Pyrophosphatase by Conjugation to Poly(N-isopropylacrylamide): Application to the Polymerase Chain Reaction. ACS Applied Materials & Interfaces, 2015, 7, 21913-21918.	4.0	16
123	Surfaces having dual affinity for plasminogen and tissue plasminogen activator: in situ plasmin generation and clot lysis. Journal of Materials Chemistry B, 2015, 3, 6939-6944.	2.9	10
124	Surface immobilization of a protease through an inhibitor-derived affinity ligand: a bioactive surface with defensive properties against an inhibitor. Chemical Communications, 2015, 51, 14263-14266.	2.2	9
125	A new avenue to the synthesis of GAG-mimicking polymers highly promoting neural differentiation of embryonic stem cells. Chemical Communications, 2015, 51, 15434-15437.	2.2	45
126	A facile approach to modify poly(dimethylsiloxane) surfaces via visible light-induced grafting polymerization. Journal of Materials Chemistry B, 2015, 3, 629-634.	2.9	28

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127	Vertical SiNWAs for biomedical and biotechnology applications. Journal of Materials Chemistry B, 2014, 2, 7849-7860.	2.9	35
128	Incorporation of Lysineâ€Containing Copolymer with Polyurethane Affording Biomaterial with Specific Adsorption of Plasminogen. Chinese Journal of Chemistry, 2014, 32, 44-50.	2.6	5
129	Combining surface topography with polymer chemistry: exploring new interfacial biological phenomena. Polymer Chemistry, 2014, 5, 14-24.	1.9	74
130	One-step preparation of vinyl-functionalized material surfaces: a versatile platform for surface modification. Science China Chemistry, 2014, 57, 654-660.	4.2	13
131	Controlling the biointerface of electrospun mats for clot lysis: an engineered tissue plasminogen activator link to a lysine-functionalized surface. Journal of Materials Chemistry B, 2014, 2, 4272.	2.9	10
132	6-O-Sulfated Chitosan Promoting the Neural Differentiation of Mouse Embryonic Stem Cells. ACS Applied Materials & Interfaces, 2014, 6, 20043-20050.	4.0	49
133	Maintaining the pluripotency of mouse embryonic stem cells on gold nanoparticle layers with nanoscale but not microscale surface roughness. Nanoscale, 2014, 6, 6959.	2.8	54
134	Recyclable antibacterial material: silicon grafted with 3,6-O-sulfated chitosan and specifically bound by lysozyme. Journal of Materials Chemistry B, 2014, 2, 569-576.	2.9	28
135	Integrating a thermoresponsive copolymer with hostâ€“guest interactions for fabricating molecular recognition surfaces. Materials Horizons, 2014, 1, 540-545.	6.4	26
136	Development of a Low-Cost Hemin-Based Dissolved Oxygen Sensor With Anti-Biofouling Coating for Water Monitoring. IEEE Sensors Journal, 2014, 14, 3400-3407.	2.4	37
137	A Versatile, Fast, and Efficient Method of Visible-Light-Induced Surface Grafting Polymerization. Langmuir, 2014, 30, 5474-5480.	1.6	26
138	Stimulation of Gene Transfection by Silicon Nanowire Arrays Modified with Polyethylenimine. ACS Applied Materials & Interfaces, 2014, 6, 14391-14398.	4.0	30
139	Probing the Structural Dependence of Carbon Space Lengths of Poly(N-hydroxyalkyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	52
140	Blood compatible materials: state of the art. Journal of Materials Chemistry B, 2014, 2, 5718-5738.	2.9	237
141	¹²⁵I-Radiolabeling, Surface Plasmon Resonance, and Quartz Crystal Microbalance with Dissipation: Three Tools to Compare Protein Adsorption on Surfaces of Different Wettability. Langmuir, 2014, 30, 1029-1035.	1.6	29
142	New Strategy for Reversible Modulation of Protein Activity through Site-Specific Conjugation of Small Molecule and Polymer. Bioconjugate Chemistry, 2014, 25, 1252-1260.	1.8	20
143	A new t-PA releasing concept based on proteinâ€“protein displacement. Soft Matter, 2013, 9, 2321.	1.2	16
144	Control the Wettability of Poly(N-isopropylacrylamide-co-1-adamantan-1-ylmethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.6	43

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145	Poly(Nâ€vinylpyrrolidone)â€Modified Surfaces for Biomedical Applications. Macromolecular Bioscience, 2013, 13, 147-154.	2.1	170
146	A novel antithrombotic coronary stent: lysine-poly(HEMA)-modified cobaltâ€"chromium stent with fibrinolytic activity. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 684-695.	1.9	10
147	Regulation of fibrinolytic protein adsorption on polyurethane surfaces by modification with lysine-containing copolymers. Polymer Chemistry, 2013, 4, 5597.	1.9	31
148	Vinyl-monomer with lysine side chains for preparing copolymer surfaces with fibrinolytic activity. Polymer Chemistry, 2013, 4, 1583-1589.	1.9	20
149	Reductase-like Activity of Silicon Nanowire Arrays. ACS Applied Materials & Interfaces, 2013, 5, 1800-1805.	4.0	27
150	Block Copolymer Modified Surfaces for Conjugation of Biomacromolecules with Control of Quantity and Activity. Langmuir, 2013, 29, 1122-1128.	1.6	40
151	Aptamer-Modified Micro/Nanostructured Surfaces: Efficient Capture of Ramos Cells in Serum Environment. ACS Applied Materials & Interfaces, 2013, 5, 3816-3823.	4.0	33
152	Cell Adhesion on a POEGMA-Modified Topographical Surface. Langmuir, 2012, 28, 17011-17018.	1.6	43
153	Enhancing Specific Binding of L929 Fibroblasts: Effects of Multiâ€Scale Topography of GRGDY Peptide Modified Surfaces. Macromolecular Bioscience, 2012, 12, 1391-1400.	2.1	21
154	Facile Synthesis of Thermally Stable Poly(N-vinylpyrrolidone)-Modified Gold Surfaces by Surface-Initiated Atom Transfer Radical Polymerization. Langmuir, 2012, 28, 9451-9459.	1.6	47
155	Spectroscopic investigation of the interactions between gold nanoparticles and bovine serum albumin. Science Bulletin, 2012, 57, 1109-1115.	1.7	72
156	Sensitive sandwich ELISA based on a gold nanoparticle layer for cancer detection. Analyst, The, 2012, 137, 1779.	1.7	106
157	Gold Nanoparticle Layer: A Promising Platform for Ultra-Sensitive Cancer Detection. Langmuir, 2011, 27, 2155-2158.	1.6	45
158	The synergistic effects of stimuli-responsive polymers with nano- structured surfaces: wettability and protein adsorption. RSC Advances, 2011, 1, 262.	1.7	31
159	Mimicking the fibrinolytic system on material surfaces. Colloids and Surfaces B: Biointerfaces, 2011, 86, 1-6.	2.5	50
160	Surface Modification to Control Protein/Surface Interactions. Macromolecular Bioscience, 2011, 11, 1031-1040.	2.1	73
161	Lysineâ€"poly(2-hydroxyethyl methacrylate) modified polyurethane surface with high lysine density and fibrinolytic activity. Acta Biomaterialia, 2011, 7, 954-958.	4.1	54
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