Zhao-Qiang Wu

List of Publications by Year
in descending order

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55 papers	1,916 citations	304743 22 h-index	254184 43 g-index
55 all docs	55 docs citations	55 times ranked	2521 citing authors

#	Article	IF	Citations
1	Dual-function antibacterial surfaces for biomedical applications. Acta Biomaterialia, 2015, 16, 1-13.	8.3	354
2	Poly(Nâ€vinylpyrrolidone)â€Modified Surfaces for Biomedical Applications. Macromolecular Bioscience, 2013, 13, 147-154.	4.1	170
3	Protein Adsorption on Poly(N-vinylpyrrolidone)-Modified Silicon Surfaces Prepared by Surface-Initiated Atom Transfer Radical Polymerization. Langmuir, 2009, 25, 2900-2906.	3.5	135
4	Protein Adsorption and Cell Adhesion/Detachment Behavior on Dual-Responsive Silicon Surfaces Modified with Poly(N-isopropylacrylamide)-block-polystyrene Copolymer. Langmuir, 2010, 26, 8582-8588.	3.5	108
5	Protein adsorption on poly(N-isopropylacrylamide)-modified silicon surfaces: Effects of grafted layer thickness and protein size. Colloids and Surfaces B: Biointerfaces, 2010, 76, 468-474.	5.0	91
6	Chemical Surface Modification of Polymeric Biomaterials for Biomedical Applications. Macromolecular Rapid Communications, 2020, 41, e1900430.	3.9	86
7	Poly(N-vinylpyrrolidone)-modified poly(dimethylsiloxane) elastomers as anti-biofouling materials. Colloids and Surfaces B: Biointerfaces, 2012, 96, 37-43.	5.0	59
8	Lysineâ€“poly(2-hydroxyethyl methacrylate) modified polyurethane surface with high lysine density and fibrinolytic activity. Acta Biomaterialia, 2011, 7, 954-958.	8.3	54
9	A Facile Approach to Modify Polyurethane Surfaces for Biomaterial Applications. Macromolecular Bioscience, 2009, 9, 1165-1168.	4.1	51
10	Step-wise control of protein adsorption and bacterial attachment on a nanowire array surface: tuning surface wettability by salt concentration. Journal of Materials Chemistry, 2011, 21, 13920.	6.7	48
11	Facile Synthesis of Thermally Stable Poly(N-vinylpyrrolidone)-Modified Gold Surfaces by Surface-Initiated Atom Transfer Radical Polymerization. Langmuir, 2012, 28, 9451-9459.	3.5	47
12	Regulation of fibrinolytic protein adsorption on polyurethane surfaces by modification with lysine-containing copolymers. Polymer Chemistry, 2013, 4, 5597.	3.9	31
13	Poly(N-vinylpyrrolidone)-grafted poly(dimethylsiloxane) surfaces with tunable microtopography and anti-biofouling properties. RSC Advances, 2013, 3, 4716.	3.6	30
14	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.	5.8	30
15	Poly(vinylpyrrolidone-b-styrene) block copolymers tethered surfaces for protein adsorption and cell adhesion regulation. Colloids and Surfaces B: Biointerfaces, 2010, 79, 452-459.	5.0	28
16	A surface decorated with diblock copolymer for biomolecular conjugation. Soft Matter, 2010, 6, 2616.	2.7	28
17	A facile approach to modify poly(dimethylsiloxane) surfaces via visible light-induced grafting polymerization. Journal of Materials Chemistry B, 2015, 3, 629-634.	5.8	28
18	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.	4.1	28

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19	A Versatile, Fast, and Efficient Method of Visible-Light-Induced Surface Grafting Polymerization. Langmuir, 2014, 30, 5474-5480.	3.5	26
20	Tissue plasminogen activator-containing polyurethane surfaces for fibrinolytic activity. Acta Biomaterialia, 2011, 7, 1993-1998.	8.3	25
21	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.	5.0	25
22	Reversible Bacterial Adhesion on Mixed Poly(dimethylaminoethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (methacrylate)/Poly(acry	3.5	24
23	Enhancing Specific Binding of L929 Fibroblasts: Effects of Multiâ€Scale Topography of GRGDY Peptide Modified Surfaces. Macromolecular Bioscience, 2012, 12, 1391-1400.	4.1	21
24	Proteinâ€Resistant and Fibrinolytic Polyurethane Surfaces. Macromolecular Bioscience, 2012, 12, 126-131.	4.1	20
25	A polymer-based turn-on fluorescent sensor for specific detection of hydrogen sulfide. RSC Advances, 2013, 3, 14543.	3.6	20
26	Vinyl-monomer with lysine side chains for preparing copolymer surfaces with fibrinolytic activity. Polymer Chemistry, 2013, 4, 1583-1589.	3.9	20
27	â€œNano-catalystâ€•for DNA transformation. Journal of Materials Chemistry, 2011, 21, 6148.	6.7	19
28	Marrying mussel inspired chemistry with photoiniferters: a novel strategy for surface functionalization. Polymer Chemistry, 2016, 7, 5563-5570.	3.9	19
29	Smart Antibacterial Surfaces Established by Oneâ€Step Photoâ€Crosslinking. Advanced Materials Interfaces, 2017, 4, 1700953.	3.7	18
30	AGET ATRP of methyl methacrylatevia a bimetallic catalyst. RSC Advances, 2012, 2, 840-847.	3.6	17
31	Combining Click Sulfur(VI)â€Fluoride Exchange with Photoiniferters: A Facile, Fast, and Efficient Strategy for Postpolymerization Modification. Macromolecular Rapid Communications, 2018, 39, 1700523.	3.9	17
32	â€œClick-chemicalâ€•modification of cellulose acetate nanofibers: a versatile platform for biofunctionalization. Journal of Materials Chemistry B, 2018, 6, 4579-4582.	5.8	17
33	Novel water-soluble fluorescent polymer containing recognition units: Synthesis and interactions with PC12 cell. European Polymer Journal, 2005, 41, 1985-1992.	5.4	16
34	A hemocompatible polyurethane surface having dual fibrinolytic and nitric oxide generating functions. Journal of Materials Chemistry B, 2017, 5, 980-987.	5.8	16
35	Efficient Heterodifunctional Unimolecular Ringâ€Closure Method for Cyclic Polymers by Combining RAFT and SuFEx Click Reactions. Macromolecular Rapid Communications, 2019, 40, 1900310.	3.9	16
36	Protein adsorption and cell adhesion on RGD-functionalized silicon substrate surfaces. Chinese Journal of Polymer Science (English Edition), 2013, 31, 495-502.	3.8	15

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37	Poly(N-vinylpyrrolidone)-modified surfaces repel plasma protein adsorption. Chinese Journal of Polymer Science (English Edition), 2012, 30, 235-241.	3.8	13
38	One-step preparation of vinyl-functionalized material surfaces: a versatile platform for surface modification. Science China Chemistry, 2014, 57, 654-660.	8.2	13
39	Substrate-independent, Schiff base interactions to fabricate lysine-functionalized surfaces with fibrinolytic activity. Journal of Materials Chemistry B, 2016, 4, 1458-1465.	5.8	13
40	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.	5.8	13
41	Enhancement of Bactericidal Activity via Cyclic Poly(cationic liquid) Brushes. Macromolecular Rapid Communications, 2019, 40, e1900379.	3.9	12
42	Transparent and superhydrophilic antifogging coatings constructed by poly(N-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T 128724.	4.7	12
43	Oxygenâ€Demanding Photocontrolled RAFT Polymerization Under Ambient Conditions. Macromolecular Rapid Communications, 2022, 43, e2100920.	3.9	11
44	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.	3.5	10
45	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.	5.8	10
46	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.	5.8	10
47	Design, Synthesis, and Application of a Difunctional Y-Shaped Surface-Tethered Photoinitiator. Langmuir, 2019, 35, 3470-3478.	3.5	9
48	Synthesis and antifouling performance of tadpole-shaped poly(N-hydroxyethylacrylamide) coatings. Journal of Materials Chemistry B, 2021, 9, 2877-2884.	5.8	9
49	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.	5.8	8
50	Incorporation of Lysineâ€Containing Copolymer with Polyurethane Affording Biomaterial with Specific Adsorption of Plasminogen. Chinese Journal of Chemistry, 2014, 32, 44-50.	4.9	5
51	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.	5.8	4
52	REGULATION OF PROTEIN ADSORPTION ON pH-RESPONSIVE SURFACES. Acta Polymerica Sinica, 2011, 011, 812-816.	0.0	3
53	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.	3.8	2
54	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.	5.8	2

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55	Preparing Wellâ€Ðefined Polyacrylamideâ€•b â€Polycarbonate by Integrating Photoiniferter Polymerization and TBDâ€Catalyzed ROP. Macromolecular Rapid Communications, 0, , 2200376.	3.9	0