

Shaojun Yuan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

3,991
citations

37
h-index

58
g-index

144
ext. papers

4,873
ext. citations

6
avg, IF

5.93
L-index

#	Paper	IF	Citations
137	Hierarchical BiVO ₄ /Cu(OH) ₂ nanocone/nanowire membrane with environmental durability and electro-/photo- cleaning capability for oil/water separation. <i>Surface and Coatings Technology</i> , 2022 , 434, 128175	4.4	1
136	Multilayered TNAs/SnO/PPy/EPbO anode achieving boosted electrocatalytic oxidation of As(III).. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128449	12.8	3
135	Superhydrophobic palmitic acid modified Cu(OH) ₂ /CuS nanocomposite-coated copper foam for efficient separation of oily wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128249	5.1	1
134	Superwetting and photocatalytic Ag ₂ O/TiO ₂ @Cu ₂ O ₄ nanocomposite-coated mesh membranes for oil/water separation and soluble dye removal. <i>Materials Today Chemistry</i> , 2022 , 23, 100717	6.2	4
133	Photocatalytic removal of tetracycline by a Z-scheme heterojunction of bismuth oxyiodide/exfoliated g-C ₃ N ₄ : performance, mechanism, and degradation pathway. <i>Materials Today Chemistry</i> , 2022 , 23, 100729	6.2	5
132	Phytic acid-induced self-assembled chitosan gel-derived N, P-doped porous carbon for high-performance CO ₂ capture and supercapacitor. <i>Journal of Power Sources</i> , 2022 , 517, 230727	8.9	2
131	Binary doping of nitrogen and phosphorus into porous carbon: A novel di-functional material for enhancing CO ₂ capture and super-capacitance. <i>Journal of Materials Science and Technology</i> , 2022 , 99, 73-81	9.1	8
130	Understanding the Role of Boron on the Interface Modulation of the Pd/TiO ₂ Catalyst for Direct Synthesis of H ₂ O ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 3264-3275	8.3	1
129	Superhydrophobic copper foam modified with hierarchical stearic acid/CuSiO ₃ /Cu(OH) ₂ nanocomposites for efficient water/oil separation. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107618	6.8	0
128	Simultaneous photocatalytic oxidation and adsorption for efficient As(III) removal by magnetic BiOI/Fe ₂ O ₃ core-shell nanoparticles. <i>Materials Today Chemistry</i> , 2022 , 24, 100823	6.2	2
127	Underoil Superhydrophilic Cu ₂ O ₄ @Cu-MOFs Core-Shell Nanosheets-Coated Copper Mesh Membrane for On-Demand Emulsion Separation and Simultaneous Removal of Soluble Dye. <i>Separation and Purification Technology</i> , 2022 , 121089	8.3	3
126	Hydrophobic Ce-doped EPbO ₂ -SDS anode achieving synergistic effects for enhanced electrocatalytic oxidation of As(III). <i>Separation and Purification Technology</i> , 2022 , 294, 121214	8.3	0
125	Superwetting sea urchin-like BiOBr@Co ₃ O ₄ nanowire clusters-coated copper mesh with efficient emulsion separation and photo-Fenton-like degradation of soluble dye. <i>Applied Surface Science</i> , 2022 , 594, 153497	6.7	3
124	Biomimetic on-chip filtration enabled by direct micro-3D printing on membrane.. <i>Scientific Reports</i> , 2022 , 12, 8178	4.9	
123	Multifunctional Switchable Nanocoated Membranes for Efficient Integrated Purification of Oil/Water Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54315-54323	9.5	7
122	Synthesis of CuSiO ₃ -loaded P-doped porous biochar derived from phytic acid-activated lemon peel for enhanced adsorption of NH ₃ . <i>Separation and Purification Technology</i> , 2021 , 120179	8.3	3
121	Thermo-Modulated Nanofibrous Skin Covered Janus Membranes for Efficient Oil/Water Separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 127935	5.1	0

120	Enhanced catalytic performance of atomically dispersed Pd on Pr-doped CeO nanorod in CO oxidation. <i>Journal of Hazardous Materials</i> , 2021 , 426, 127793	12.8	3
119	One-Pot Synthesis of a Magnetic TiO ₂ /PTh/Fe ₂ O ₃ Heterojunction Nanocomposite for Removing Trace Arsenite via Simultaneous Photocatalytic Oxidation and Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 528-540	3.9	11
118	N-Doped Porous Carbon Derived from Solvent-Free Synthesis of Cross-Linked Triazine Polymers for Simultaneously Achieving CO Capture and Supercapacitors. <i>Chemistry - A European Journal</i> , 2021 , 27, 7908-7914	4.8	8
117	Insights into the Adsorption and Photocatalytic Oxidation Behaviors of Boron-Doped TiO ₂ /g-C ₃ N ₄ Nanocomposites toward As(III) in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7003-7013	3.9	6
116	Superwetting BiMoO/Cu(PO) Nanosheet-Coated Copper Mesh with Superior Anti-Oil-Fouling and Photo-Fenton-like Catalytic Properties for Effective Oil-in-Water Emulsion Separation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23662-23674	9.5	11
115	Multiscale Model of the RTM Process: From Mesoscale Anisotropic Permeability of Woven Structures to Macroscale Resin Impregnation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8269-8279	3.9	1
114	MnO ₂ /TiO ₂ Nanotube Array-Coated Titanium Substrates as Anodes for Electrocatalytic Oxidation of As(III) in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7404-7415	5.6	5
113	MWCNT Decorated Rich N-Doped Porous Carbon with Tunable Porosity for CO Capture. <i>Molecules</i> , 2021 , 26,	4.8	6
112	Durable CNTs Reinforced Porous Electrospun Superhydrophobic Membrane for Efficient Gravity Driven Oil/Water Separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 608, 125342	5.1	13
111	rGO/N-porous carbon composites for enhanced CO ₂ capture and energy storage performances. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157534	5.7	10
110	Superhydrophobic and self-healing dual-function coatings based on mercaptabenzimidazole inhibitor-loaded magnesium silicate nanotubes for corrosion protection of AZ31B magnesium alloys. <i>Chemical Engineering Journal</i> , 2021 , 404, 127106	14.7	24
109	Hierarchical WO ₃ @Cu(OH) ₂ nanorod arrays grown on copper mesh with superwetting and self-cleaning properties for high-performance oil/water separation. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157421	5.7	21
108	Self-Locked and Self-Cleaning Membranes for Efficient Removal of Insoluble and Soluble Organic Pollutants from Water. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6906-6918	9.5	11
107	Nitrogen-Doped Porous Carbon Materials Derived from Graphene Oxide/Melamine Resin Composites for CO Adsorption. <i>Molecules</i> , 2021 , 26,	4.8	3
106	Polypyrrole-encapsulated Fe ₂ O ₃ nanotube arrays on a carbon cloth support: Achieving synergistic effect for enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2021 , 386, 138486	6.7	15
105	A route for large-scale preparation of multifunctional superhydrophobic coating with electrochemically-modified kaolin for efficient corrosion protection of magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	2
104	Magnetic superhydrophobic polyurethane sponge modified with bioinspired stearic acid@Fe ₃ O ₄ @PDA nanocomposites for oil/water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 624, 126794	5.1	14
103	Single-Step Preparation of Ultrasmall Iron Oxide-Embedded Carbon Nanotubes on Carbon Cloth with Excellent Superhydrophilicity and Enhanced Supercapacitor Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45670-45678	9.5	5

102	N,S-containing polycondensate-derived porous carbon materials for superior CO ₂ adsorption and supercapacitor. <i>Applied Surface Science</i> , 2021 , 562, 150128	6.7	11
101	Superhydrophilic fish-scale-like Cu ₂ O nanosheets wrapped copper mesh with underwater super oil-repellent properties for effective separation of oil-in-water emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127133	5.1	5
100	Superhydrophobic ODT-TiO ₂ NW-PDA nanocomposite-coated polyurethane sponge for spilled oil recovery and oil/water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 630, 127541	5.1	5
99	One-step synthesis of ZnFe ₂ O ₄ -loaded biochar derived from leftover rice for high-performance H ₂ S removal. <i>Separation and Purification Technology</i> , 2021 , 279, 119686	8.3	2
98	Heterostructured @TiO ₂ Nanocomposites for Enhanced Adsorption of As(III) from Aqueous Solution: Adsorption and Photocatalytic Oxidation Behaviors. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 11743-11756	3.9	26
97	Core-shell Structured Magnetic @PANI Nanocomposites for Enhanced As(V) Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7554-7563	3.9	25
96	A magnetic @TiO ₂ core-shell nanocomposite for arsenic removal via a coupled visible-light-induced photocatalytic oxidation-adsorption process. <i>Nanoscale Advances</i> , 2020 , 2, 2018-2024	5.1	33
95	Simultaneous Removal of Phenol and Pb ²⁺ from the Mixed Solution by Zwitterionic Poly(sulfobetaine methacrylate)-Grafted Poly(vinylbenzyl chloride) Microspheres. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6065-6077	3.9	9
94	A stearic Acid/CeO ₂ bilayer coating on AZ31B magnesium alloy with superhydrophobic and self-cleaning properties for corrosion inhibition. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155210	5.7	55
93	Hydrodynamics of gas phase in a shallow bubble column from in-line photography. <i>Chemical Engineering Science</i> , 2020 , 221, 115703	4.4	5
92	Boudouard reaction driven by thermal plasma for efficient CO ₂ conversion and energy storage. <i>Journal of Energy Chemistry</i> , 2020 , 45, 128-134	12	18
91	N-doped porous carbon derived from rGO-Incorporated polyphenylenediamine composites for CO ₂ adsorption and supercapacitors. <i>Journal of Power Sources</i> , 2020 , 472, 228610	8.9	29
90	Superhydrophobic Copper Foam Modified with n-Dodecyl Mercaptan-CeO ₂ Nanosheets for Efficient Oil/Water Separation and Oil Spill Cleanup. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21510-21521	3.9	16
89	Removal of Trace Arsenite through Simultaneous Photocatalytic Oxidation and Adsorption by Magnetic Fe ₃ O ₄ @ ₂ Core-shell Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8495-8504	5.6	26
88	Photocatalytically Driven Self-Cleaning and Underwater Superoleophobic Copper Mesh Modified with Hierarchical Bi ₂ WO ₆ @CuO Nanowires for Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16450-16461	3.9	25
87	Design of Epichlorohydrin-Oriented Quaternary System Separation via Hybrid Extraction-Distillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4534-4545	3.9	1
86	Enhanced Antifouling and Anticorrosion Properties of Stainless Steel by Biomimetic Anchoring PEGDMA-Cross-Linking Polycationic Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7107-7119	3.9	11
85	Effects of mechanical activation on the digestion of ilmenite in dilute H ₂ SO ₄ . <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 575-586	3.2	11

84	Efficient Oil/Water Separation by Zwitterionic Poly(sulfobetaine methacrylate)@Cu(OH) ₂ Nanoneedle Array-Coated Copper Meshes with Superwetting and Antifouling Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13815-13826	8.3	36
83	Biomimetic Hierarchical TiO ₂ @CuO Nanowire Arrays-Coated Copper Meshes with Superwetting and Self-Cleaning Properties for Efficient Oil/Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2569-2577	8.3	44
82	Magnetic nickel chrysotile nanotubes tethered with pH-sensitive poly(methacrylic acid) brushes for Cu(II) adsorption. <i>Journal of Molecular Liquids</i> , 2019 , 276, 611-623	6	13
81	Successive grafting of poly(hydroxyethyl methacrylate) brushes and melamine onto chitosan microspheres for effective Cu(II) uptake. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 287-302	7.9	19
80	Floatable superhydrophobic AgO photocatalyst without a modifier and its controllable wettability by particle size adjustment. <i>Nanoscale</i> , 2018 , 10, 13661-13672	7.7	18
79	Polymers for Combating Biocorrosion. <i>Frontiers in Materials</i> , 2018 , 5,	4	26
78	Suppressing the Photocatalytic Activity of TiO ₂ Nanoparticles by Extremely Thin Al ₂ O ₃ Films Grown by Gas-Phase Deposition at Ambient Conditions. <i>Nanomaterials</i> , 2018 , 8,	5.4	23
77	Regulation of isobutane/1-butene adsorption behaviors on the acidic ionic liquids-functionalized MCM-22 zeolite. <i>Chinese Journal of Chemical Engineering</i> , 2018 , 26, 127-136	3.2	14
76	Emerging Trends and Conclusions. <i>Interface Science and Technology</i> , 2018 , 373-390	2.3	
75	General Background of Sol-Gel Coatings for Corrosion Mitigation. <i>Interface Science and Technology</i> , 2018 , 23, 63-113	2.3	2
74	The Inorganic Film Coatings for Corrosion Protection. <i>Interface Science and Technology</i> , 2018 , 185-255	2.3	4
73	Self-Assembly Ultrathin Film Coatings for the Mitigation of Corrosion: General Considerations. <i>Interface Science and Technology</i> , 2018 , 13-21	2.3	1
72	Inorganic-Organic Hybrid Coatings. <i>Interface Science and Technology</i> , 2018 , 23, 115-132	2.3	5
71	Superhydrophobic Film Coatings for Corrosion Inhibition. <i>Interface Science and Technology</i> , 2018 , 133-184.	2.3	1
70	Conducting Polymer Coatings as Effective Barrier to Corrosion. <i>Interface Science and Technology</i> , 2018 , 23-61	2.3	
69	A highly selective Cr/ZrO ₂ catalyst for the reverse water-gas shift reaction prepared from simulated Cr-containing wastewater by a photocatalytic deposition process with ZrO ₂ . <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6761-6770	6.8	8
68	Novel Antibacterial Coatings for Biofouling and Biocorrosion Inhibition. <i>Interface Science and Technology</i> , 2018 , 257-372	2.3	2
67	Room-temperature pulsed CVD-grown SiO ₂ protective layer on TiO ₂ particles for photocatalytic activity suppression. <i>RSC Advances</i> , 2017 , 7, 4547-4554	3.7	23

66	Click functionalization of poly(glycidyl methacrylate) microspheres with triazole-4-carboxylic acid for the effective adsorption of Pb(II) ions. <i>New Journal of Chemistry</i> , 2017 , 41, 6475-6488	3.6	25
65	Microwave-assisted seed preparation for producing easily phase-transformed anatase to rutile. <i>RSC Advances</i> , 2017 , 7, 45607-45614	3.7	3
64	Nanostructured TiO ₂ /CuO dual-coated copper meshes with superhydrophilic, underwater superoleophobic and self-cleaning properties for highly efficient oil/water separation. <i>Chemical Engineering Journal</i> , 2017 , 328, 497-510	14.7	86
63	Functionalization of multi-walled carbon nanotubes with phenylenediamine for enhanced CO ₂ adsorption. <i>Adsorption</i> , 2017 , 23, 73-85	2.6	43
62	Enhanced adsorption of Cu(II) ions on chitosan microspheres functionalized with polyethylenimine-conjugated poly(glycidyl methacrylate) brushes. <i>RSC Advances</i> , 2016 , 6, 78136-78150	3.7	38
61	Broadband light absorption by silver nanoparticle decorated silica nanospheres. <i>RSC Advances</i> , 2016 , 6, 107951-107959	3.7	7
60	MCM-36 zeolites tailored with acidic ionic liquid to regulate adsorption properties of isobutane and 1-butene. <i>Chinese Journal of Chemical Engineering</i> , 2016 , 24, 1703-1711	3.2	13
59	Poly(methacrylic acid)-graft-Ni ₃ Si ₂ O ₅ (OH) ₄ multiwalled nanotubes as a novel nanosorbent for effective removal of copper(II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 502, 89-101	5.1	14
58	Surface modification of PVDF using non-mammalian sources of collagen for enhancement of endothelial cell functionality. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 45	4.5	14
57	Adsorption and photocatalytic degradation behaviors of rhodamine dyes on surface-fluorinated TiO ₂ under visible irradiation. <i>RSC Advances</i> , 2016 , 6, 4090-4100	3.7	34
56	Wall-loaded Pt/TiO ₂ /Ti catalyst and its application in ammonia oxidation reaction in microchannel reactor. <i>RSC Advances</i> , 2016 , 6, 26637-26649	3.7	5
55	Preparation of Superhydrophobic Cu Mesh and Its Application in Rolling-Spheronization Granulation. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 5545-5555	3.9	12
54	PVBC microspheres tethered with poly(3-sulfopropyl methacrylate) brushes for effective removal of Pb(II) ions from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 498, 218-230	5.1	20
53	Superhydrophobic CuO nanoneedle-covered copper surfaces for anticorrosion. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4374-4388	13	168
52	Purification of phenol-contaminated water by adsorption with quaternized poly(dimethylaminopropyl methacrylamide)-grafted PVBC microspheres. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4620-4636	13	81
51	Photocatalytic performance of Ag ₂ S under irradiation with visible and near-infrared light and its mechanism of degradation. <i>RSC Advances</i> , 2015 , 5, 24064-24071	3.7	80
50	Preparation and Antiscaling Application of Superhydrophobic Anodized CuO Nanowire Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6874-6883	3.9	64
49	Imparting electroactivity to polycaprolactone fibers with heparin-doped polypyrrole: Modulation of hemocompatibility and inflammatory responses. <i>Acta Biomaterialia</i> , 2015 , 23, 240-249	10.8	22

48	Fabrication of hematite nanowire arrays on pure iron via anodization process for superhydrophilic surfaces. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 435-440	0.9	4
47	PCL microspheres tailored with carboxylated poly(glycidyl methacrylate)-REDV conjugates as conductive microcarriers for endothelial cell expansion. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8670-8683	7.3	11
46	From flab to fab: transforming surgical waste into an effective bioactive coating material. <i>Advanced Healthcare Materials</i> , 2015 , 4, 613-20	10.1	9
45	Preparation of Silver Carbonate and its Application as Visible Light-driven Photocatalyst Without Sacrificial Reagent. <i>Photochemistry and Photobiology</i> , 2015 , 91, 1315-23	3.6	9
44	Multifunctional REDV-conjugated zwitterionic polycarboxybetaine-polycaprolactone hybrid surfaces for enhanced antibacterial activity, anti-thrombogenicity and endothelial cell proliferation. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8088-8101	7.3	16
43	Silver Oxide as Superb and Stable Photocatalyst under Visible and Near-Infrared Light Irradiation and Its Photocatalytic Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 832-841	3.9	96
42	Endothelial cell thrombogenicity is reduced by ATRP-mediated grafting of gelatin onto PCL surfaces. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 485-493	7.3	24
41	Preparation and photocatalytic performance of ZrO ₂ nanotubes fabricated with anodization process. <i>Applied Surface Science</i> , 2014 , 307, 407-413	6.7	50
40	Chitosan microsphere scaffold tethered with RGD-conjugated poly(methacrylic acid) brushes as effective carriers for the endothelial cells. <i>Macromolecular Bioscience</i> , 2014 , 14, 1299-311	5.5	22
39	Beneficiation of titania by sulfuric acid pressure leaching of Panzihua ilmenite. <i>Hydrometallurgy</i> , 2014 , 150, 92-98	4	27
38	PVDF film tethered with RGD-click-poly(glycidyl methacrylate) brushes by combination of direct surface-initiated ATRP and click chemistry for improved cytocompatibility. <i>RSC Advances</i> , 2014 , 4, 105-117	3.7	66
37	Surface Modification of Mild Steel with Thermally Cured Antibacterial Poly(vinylbenzyl chloride) Polyaniline Bilayers for Effective Protection against Sulfate Reducing Bacteria Induced Corrosion. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 12363-12378	3.9	33
36	Microscopic droplet formation and energy transport analysis of condensation on scalable superhydrophobic nanostructured copper oxide surfaces. <i>Langmuir</i> , 2014 , 30, 14498-511	4	57
35	Poly(methacrylic acid)-grafted chitosan microspheres via surface-initiated ATRP for enhanced removal of Cd(II) ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 171-82	9.3	68
34	Enhancing antibacterial activity of surface-grafted chitosan with immobilized lysozyme on bioinspired stainless steel substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 106, 11-21	6	49
33	Surface chemistry and corrosion behaviour of 304 stainless steel in simulated seawater containing inorganic sulphide and sulphate-reducing bacteria. <i>Corrosion Science</i> , 2013 , 74, 353-366	6.8	111
32	Multifunctional P(PEGMA)-REDV conjugated titanium surfaces for improved endothelial cell selectivity and hemocompatibility. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 157-167	7.3	40
31	Amelioration of Blood Compatibility and Endothelialization of Polycaprolactone Substrates by Surface-Initiated Atom Transfer Radical Polymerization 2013 ,		9

30	Optimization of poly(ϵ -caprolactone) surface properties for apatite formation and improved osteogenic stimulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 353-61	5.4	25
29	Surface modification of polycaprolactone substrates using collagen-conjugated poly(methacrylic acid) brushes for the regulation of cell proliferation and endothelialisation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13039		67
28	Superhydrophilicity/superhydrophobicity of nickel micro-arrays fabricated by electroless deposition on an etched porous aluminum template. <i>Chemical Engineering Journal</i> , 2012 , 203, 1-8	14.7	50
27	Poly(4-vinylaniline)-Polyaniline Bilayer-Modified Stainless Steels for the Mitigation of Biocorrosion by Sulfate-Reducing Bacteria (SRB) in Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14738-14751	3.9	28
26	Anti-cAngptl4 Ab-conjugated N-TiO(2) /NaYF(4) :Yb,Tm nanocomposite for near infrared-triggered drug release and enhanced targeted cancer cell ablation. <i>Advanced Healthcare Materials</i> , 2012 , 1, 470-4	10.1	50
25	Immobilization of gelatin onto poly(glycidyl methacrylate)-grafted polycaprolactone substrates for improved cell-material interactions. <i>Biointerphases</i> , 2012 , 7, 30	1.8	41
24	Lysozyme-coupled poly(poly(ethylene glycol) methacrylate)-stainless steel hybrids and their antifouling and antibacterial surfaces. <i>Langmuir</i> , 2011 , 27, 2761-74	4	179
23	Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011 , 53, 2738-2747	6.8	148
22	Degradation of PEG and non-PEG alginate-chitosan microcapsules in different pH environments. <i>Polymer Degradation and Stability</i> , 2011 , 96, 2189-2197	4.7	17
21	Palladium membrane on TiO ₂ nanotube arrays-covered titanium surface by combination of photocatalytic deposition and modified electroless plating processes and its hydrogen permeability. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1066-1073	6.7	15
20	Alternating Silica/Polymer Multilayer Hybrid Microspheres Templates for Double-shelled Polymer and Inorganic Hollow Microstructures. <i>Chemistry of Materials</i> , 2010 , 22, 1309-1317	9.6	93
19	Surface functionalization of copper via oxidative graft polymerization of 2,2Sbithiophene and immobilization of silver nanoparticles for combating biocorrosion. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1653-62	9.5	24
18	Poly(1-vinylimidazole) formation on copper surfaces via surface-initiated graft polymerization for corrosion protection. <i>Corrosion Science</i> , 2010 , 52, 1958-1968	6.8	37
17	Glucose biosensor from covalent immobilization of chitosan-coupled carbon nanotubes on polyaniline-modified gold electrode. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3083-91	9.5	110
16	Antibacterial inorganic-organic hybrid coatings on stainless steel via consecutive surface-initiated atom transfer radical polymerization for biocorrosion prevention. <i>Langmuir</i> , 2010 , 26, 6728-36	4	66
15	Enzyme-mediated amperometric biosensors prepared via successive surface-initiated atom-transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1102-8	11.8	39
14	Poly(glycidyl methacrylate)Polyaniline Bilayer-Modified Mild Steel for Combating Biocorrosion in Seawater. <i>Journal of the Electrochemical Society</i> , 2009 , 156, C266	3.9	21
13	Grafting of antibacterial polymers on stainless steel via surface-initiated atom transfer radical polymerization for inhibiting biocorrosion by <i>Desulfovibrio desulfuricans</i> . <i>Biotechnology and Bioengineering</i> , 2009 , 103, 268-81	4.9	62

12	AFM study of microbial colonization and its deleterious effect on 304 stainless steel by <i>Pseudomonas</i> NCIMB 2021 and <i>Desulfovibrio desulfuricans</i> in simulated seawater. <i>Corrosion Science</i> , 2009 , 51, 1372-1385	6.8	65
11	Surface functionalization of Cu-Ni alloys via grafting of a bactericidal polymer for inhibiting biocorrosion by <i>Desulfovibrio desulfuricans</i> in anaerobic seawater. <i>Biofouling</i> , 2009 , 25, 109-25	3.3	18
10	Inorganic-organic hybrid coatings on stainless steel by layer-by-layer deposition and surface-initiated atom-transfer-radical polymerization for combating biocorrosion. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 640-52	9.5	71
9	Corrosion Behavior of Type 304 Stainless Steel in a Simulated Seawater-Based Medium in the Presence and Absence of Aerobic <i>Pseudomonas</i> NCIMB 2021 Bacteria. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 3008-3020	3.9	49
8	Thermo-responsive porous membranes of controllable porous morphology from triblock copolymers of polycaprolactone and poly(N-isopropylacrylamide) prepared by atom transfer radical polymerization. <i>Biomacromolecules</i> , 2008 , 9, 331-9	6.9	58
7	Biocorrosion Behavior of Titanium Oxide/Butoxide-Coated Stainless Steel. <i>Journal of the Electrochemical Society</i> , 2008 , 155, C196	3.9	40
6	Microbiologically influenced corrosion of 304 stainless steel by aerobic <i>Pseudomonas</i> NCIMB 2021 bacteria: AFM and XPS study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007 , 59, 87-99	6	178
5	Surface characterization and corrosion behavior of 70/30 CuNi alloy in pristine and sulfide-containing simulated seawater. <i>Corrosion Science</i> , 2007 , 49, 1276-1304	6.8	117
4	The influence of the marine aerobic <i>Pseudomonas</i> strain on the corrosion of 70/30 CuNi alloy. <i>Corrosion Science</i> , 2007 , 49, 4352-4385	6.8	81
3	Modification of Surface-Oxidized Copper Alloy by Coupling of Viologens for Inhibiting Microbiologically Influenced Corrosion. <i>Journal of the Electrochemical Society</i> , 2007 , 154, C645	3.9	38
2	The Influence of the Marine Aerobic <i>Pseudomonas</i> Strain on the Corrosion of 70/30 Cu-Ni Alloy. <i>ECS Transactions</i> , 2006 , 2, 159-192	1	
1	Heterostructure Cu ₂ O@TiO ₂ Nanotube Array Coated Titanium Anode for Efficient Photoelectrocatalytic Oxidation of As(III) in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	2