

Shaojun Yuan

List of Publications by Citations

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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 | 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 |
| 136 | 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 |
| 135 | Superhydrophobic CuO nanoneedle-covered copper surfaces for anticorrosion. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4374-4388 | 13 | 168 |
| 134 | Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011 , 53, 2738-2747 | 6.8 | 148 |
| 133 | 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 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 |
| 129 | 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 |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |

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|-----|--|------|----|
| 120 | 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 |
| 119 | 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 |
| 118 | Preparation and Antiscaling Application of Superhydrophobic Anodized CuO Nanowire Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6874-6883 | 3.9 | 64 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | Preparation and photocatalytic performance of ZrO ₂ nanotubes fabricated with anodization process. <i>Applied Surface Science</i> , 2014 , 307, 407-413 | 6.7 | 50 |
| 112 | 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 |
| 111 | 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 |
| 110 | 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 |
| 109 | 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 |
| 108 | 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 |
| 107 | Functionalization of multi-walled carbon nanotubes with phenylenediamine for enhanced CO ₂ adsorption. <i>Adsorption</i> , 2017 , 23, 73-85 | 2.6 | 43 |
| 106 | Immobilization of gelatin onto poly(glycidyl methacrylate)-grafted polycaprolactone substrates for improved cell-material interactions. <i>Biointerphases</i> , 2012 , 7, 30 | 1.8 | 41 |
| 105 | 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 |
| 104 | Biocorrosion Behavior of Titanium Oxide/Butoxide-Coated Stainless Steel. <i>Journal of the Electrochemical Society</i> , 2008 , 155, C196 | 3.9 | 40 |
| 103 | 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 |

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|-----|--|-----|----|
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | A magnetic [Fe ₂ O ₃ @PANI@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 |
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |
| 93 | Beneficiation of titania by sulfuric acid pressure leaching of Panzihua ilmenite. <i>Hydrometallurgy</i> , 2014 , 150, 92-98 | 4 | 27 |
| 92 | 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 |
| 91 | Polymers for Combating Biocorrosion. <i>Frontiers in Materials</i> , 2018 , 5, | 4 | 26 |
| 90 | 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 |
| 89 | 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 |
| 88 | Core-shell Structured Magnetic [Fe ₂ O ₃ @PANI Nanocomposites for Enhanced As(V) Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7554-7563 | 3.9 | 25 |
| 87 | 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 |
| 86 | 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 |
| 85 | 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 |

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|----|---|------|----|
| 84 | 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 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |

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|----|--|------|----|
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | PCL microspheres tailored with carboxylated poly(glycidyl methacrylate)-REDV conjugates as conducive microcarriers for endothelial cell expansion. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8670-8683 | 7.3 | 11 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |

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|----|--|-----|---|
| 48 | 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 |
| 47 | Amelioration of Blood Compatibility and Endothelialization of Polycaprolactone Substrates by Surface-Initiated Atom Transfer Radical Polymerization 2013 , | | 9 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Broadband light absorption by silver nanoparticle decorated silica nanospheres. <i>RSC Advances</i> , 2016 , 6, 107951-107959 | 3.7 | 7 |
| 42 | 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 |
| 41 | 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 |
| 40 | MWCNT Decorated Rich N-Doped Porous Carbon with Tunable Porosity for CO Capture. <i>Molecules</i> , 2021 , 26, | 4.8 | 6 |
| 39 | Hydrodynamics of gas phase in a shallow bubble column from in-line photography. <i>Chemical Engineering Science</i> , 2020 , 221, 115703 | 4.4 | 5 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | Inorganic-Organic Hybrid Coatings. <i>Interface Science and Technology</i> , 2018 , 23, 115-132 | 2.3 | 5 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |

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| 30 | 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 |
| 29 | The Inorganic Film Coatings for Corrosion Protection. <i>Interface Science and Technology</i> , 2018 , 185-255 | 2.3 | 4 |
| 28 | Microwave-assisted seed preparation for producing easily phase-transformed anatase to rutile. <i>RSC Advances</i> , 2017 , 7, 45607-45614 | 3.7 | 3 |
| 27 | Multilayered TNAs/SnO/PPy/PbO anode achieving boosted electrocatalytic oxidation of As(III).. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128449 | 12.8 | 3 |
| 26 | 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 |
| 25 | 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 |
| 24 | Nitrogen-Doped Porous Carbon Materials Derived from Graphene Oxide/Melamine Resin Composites for CO Adsorption. <i>Molecules</i> , 2021 , 26, | 4.8 | 3 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | General Background of Sol-Gel Coatings for Corrosion Mitigation. <i>Interface Science and Technology</i> , 2018 , 23, 63-113 | 2.3 | 2 |
| 18 | Novel Antibacterial Coatings for Biofouling and Biocorrosion Inhibition. <i>Interface Science and Technology</i> , 2018 , 257-372 | 2.3 | 2 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Design of Epichlorohydrin-Oriented Quaternary System Separation via Hybrid ExtractionDistillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4534-4545 | 3.9 | 1 |
| 13 | 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 |

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| 12 | 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 |
| 11 | 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 |
| 10 | Self-Assembly Ultrathin Film Coatings for the Mitigation of Corrosion: General Considerations. <i>Interface Science and Technology</i> , 2018 , 13-21 | 2.3 | 1 |
| 9 | Superhydrophobic Film Coatings for Corrosion Inhibition. <i>Interface Science and Technology</i> , 2018 , 133-184. | 4.3 | 1 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | Hydrophobic Ce-doped PbO 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 |
| 4 | The Influence of the Marine Aerobic Pseudomonas Strain on the Corrosion of 70/30 Cu-Ni Alloy. <i>ECS Transactions</i> , 2006 , 2, 159-192 | 1 | |
| 3 | Emerging Trends and Conclusions. <i>Interface Science and Technology</i> , 2018 , 373-390 | 2.3 | |
| 2 | Conducting Polymer Coatings as Effective Barrier to Corrosion. <i>Interface Science and Technology</i> , 2018 , 23-61 | 2.3 | |
| 1 | Biomimetic on-chip filtration enabled by direct micro-3D printing on membrane.. <i>Scientific Reports</i> , 2022 , 12, 8178 | 4.9 | |