

Yang He

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Surfactant Binding of Polycations Carrying Charges on the Chain Backbone: A Cooperativity, Stoichiometry and Crystallinity. <i>Macromolecules</i> , 1998, 31, 787-794. | 4.8 | 64 |
| 2 | Dopamine-induced nonionic polymer coatings for significantly enhancing separation and antifouling properties of polymer membranes: Codeposition versus sequential deposition. <i>Journal of Membrane Science</i> , 2017, 539, 421-431. | 8.2 | 57 |
| 3 | Silibinin as a natural antioxidant for modifying polysulfone membranes to suppress hemodialysis-induced oxidative stress. <i>Journal of Membrane Science</i> , 2019, 574, 86-99. | 8.2 | 37 |
| 4 | Polymer Pressure- Sensitive Adhesive with A Temperature- Insensitive Loss Factor Operating Under Water and Oil. <i>Advanced Functional Materials</i> , 2021, 31, 2104296. | 14.9 | 34 |
| 5 | Preparation of PAMAM modified PVDF membrane and its adsorption performance for copper ions. <i>Environmental Research</i> , 2022, 204, 111943. | 7.5 | 27 |
| 6 | Temperature-sensitive membranes prepared from blends of poly(vinylidene fluoride) and poly(N-isopropylacrylamides) microgels. <i>Colloid and Polymer Science</i> , 2013, 291, 2419-2428. | 2.1 | 26 |
| 7 | Structure and pH- sensitive properties of poly (vinylidene fluoride) membrane changed by blending poly (acrylic acid) microgels. <i>Polymers for Advanced Technologies</i> , 2013, 24, 934-944. | 3.2 | 25 |
| 8 | A nonionic polymer-brush-grafted PVDF membrane to analyse fouling during the filtration of oil/water emulsions. <i>Journal of Membrane Science</i> , 2021, 637, 119644. | 8.2 | 25 |
| 9 | Tannic acid and Poly(N-acryloyl morpholine) layer-by-layer built hemodialysis membrane surface for intervening oxidative stress integrated with high biocompatibility and dialysis performance. <i>Journal of Membrane Science</i> , 2021, 621, 118896. | 8.2 | 23 |
| 10 | Polysaccharide/Ti3C2Tx MXene adhesive hydrogels with self-healing ability for multifunctional and sensitive sensors. <i>Carbohydrate Polymers</i> , 2022, 291, 119572. | 10.2 | 23 |
| 11 | Dual functionalized poly(vinylidene fluoride) membrane with acryloylmorpholine and argatroban to improve antifouling and hemocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 178-188. | 4.0 | 22 |
| 12 | Chondroitin sulfate hydrogels based on electrostatic interactions with enhanced adhesive properties: exploring the bulk and interfacial contributions. <i>Soft Matter</i> , 2020, 16, 6128-6137. | 2.7 | 22 |
| 13 | Intervening oxidative stress integrated with an excellent biocompatibility of hemodialysis membrane fabricated by nucleobase-recognized co-immobilization strategy of tannic acid, looped PEO brush and heparin. <i>Journal of Membrane Science</i> , 2021, 625, 119174. | 8.2 | 20 |
| 14 | Immobilization of poly(N-acryloyl morpholine) via hydrogen-bonded interactions for improved separation and antifouling properties of poly(vinylidene fluoride) membranes. <i>Reactive and Functional Polymers</i> , 2018, 123, 80-90. | 4.1 | 18 |
| 15 | Resveratrol as a plant type antioxidant modifier for polysulfone membranes to improve hemodialysis-induced oxidative stress. <i>Materials Science and Engineering C</i> , 2021, 123, 111953. | 7.3 | 18 |
| 16 | Structure and performance of poly(vinylidene fluoride) membrane with temperature- sensitive poly(N-isopropylacrylamide) homopolymers in membrane pores. <i>Polymer Composites</i> , 2013, 34, 457-467. | 4.6 | 16 |
| 17 | Constructing hierarchical surface structure of hemodialysis membranes to intervene in oxidative stress through Michael addition reaction between tannic acid and PEO brushes. <i>Journal of Membrane Science</i> , 2022, 657, 120700. | 8.2 | 15 |
| 18 | H ₂ O ₂ -Triggered Rapid Deposition of Poly(caffeic acid) Coatings: A Mechanism-Based Entry to Versatile and High-Efficient Molecular Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52104-52115. | 8.0 | 12 |

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|----|---|-----|-----------|
| 19 | Preparation and anti-fouling property of carboxybetaine-based zwitterionic PVDF membrane. Separation Science and Technology, 2016, 51, 1189-1198. | 2.5 | 11 |
| 20 | Fabrication of thermosensitive hydrogel-supported Ni nanoparticles with tunable catalytic activity for 4-nitrophenol. Journal of Materials Science, 2016, 51, 3200-3210. | 3.7 | 10 |
| 21 | Adsorptive removal of cholesterol by biodegradable zein-graft- β -cyclodextrin film. International Journal of Biological Macromolecules, 2020, 155, 293-304. | 7.5 | 10 |
| 22 | Hierarchical Surface Architecture of Hemodialysis Membranes for Eliminating Homocysteine Based on the Multifunctional Role of Pyridoxal 5 α -phosphate. ACS Applied Materials & Interfaces, 2020, 12, 36837-36850. | 8.0 | 8 |
| 23 | Prevent Drug Leakage via the Boronic Acid Glucose-Insensitive Micelle for Alzheimer's Disease Combination Treatment. ACS Applied Materials & Interfaces, 2022, 14, 23182-23193. | 8.0 | 4 |