

Xin Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9104719/publications.pdf>

Version: 2024-02-01

21
papers

639
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

669
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Insights into Flow Improving for Waxy Crude Oil Doped with EVA/SiO ₂ Nanohybrids. ACS Omega, 2022, 7, 5853-5863. | 3.5 | 8 |
| 2 | Selective potassium uptake via biocompatible zeolite-polymer hybrid microbeads as promising binders for hyperkalemia. Bioactive Materials, 2021, 6, 543-558. | 15.6 | 9 |
| 3 | Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. Nature Biomedical Engineering, 2021, 5, 1143-1156. | 22.5 | 54 |
| 4 | Construction of dual-carbon-confined metal sulfide nanocrystals via bio-mimetic reactors enabling superior Fenton-like catalysis. Journal of Materials Chemistry A, 2021, 9, 22994-23010. | 10.3 | 12 |
| 5 | Hemocompatibility enhancement of polyethersulfone membranes: Strategies and challenges. , 2021, 1, 100013. | | 11 |
| 6 | Precipitated droplets in-situ cross-linking polymerization towards hydrogel beads for ultrahigh removal of positively charged toxins. Separation and Purification Technology, 2020, 238, 116497. | 7.9 | 19 |
| 7 | Urease immobilized GO core@shell heparin-mimicking polymer beads with safe and effective urea removal for blood purification. International Journal of Biological Macromolecules, 2020, 156, 1503-1511. | 7.5 | 10 |
| 8 | Precipitated droplets in-situ cross-linking polymerization and its applications. Polymer Testing, 2020, 91, 106756. | 4.8 | 6 |
| 9 | Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. Carbohydrate Polymers, 2020, 243, 116470. | 10.2 | 37 |
| 10 | Biocompatible In Situ Polymerization of Multipurpose Polyacrylamide-Based Hydrogels on Skin via Silver Ion Catalyzed Polymerization. ACS Applied Materials & Interfaces, 2020, 12, 31079-31089. | 8.0 | 36 |
| 11 | Self-Anticoagulant Nanocomposite Spheres for the Removal of Bilirubin from Whole Blood: A Step toward a Wearable Artificial Liver. Biomacromolecules, 2020, 21, 1762-1775. | 5.4 | 38 |
| 12 | A bioinspired strategy towards super-adsorbent hydrogel spheres self-sacrificing micro-reactors for robust wastewater remediation. Journal of Materials Chemistry A, 2019, 7, 21386-21403. | 10.3 | 46 |
| 13 | Semi-interpenetrating polymer network microspheres with superior dimensional stability as multifunctional antibacterial adsorbent materials. Journal of Environmental Chemical Engineering, 2019, 7, 103393. | 6.7 | 10 |
| 14 | Three-Dimensional Graphene Oxide Skeleton Guided Poly(acrylic Acid) Composite Hydrogel Particles with Hierarchical Pore Structure for Hemoperfusion. ACS Biomaterials Science and Engineering, 2019, 5, 3987-4001. | 5.2 | 16 |
| 15 | Surface engineering of low-fouling and hemocompatible polyethersulfone membranes via in-situ ring-opening reaction. Journal of Membrane Science, 2019, 581, 373-382. | 8.2 | 36 |
| 16 | Reinforced-Concrete Structured Hydrogel Microspheres with Ultrahigh Mechanical Strength, Restricted Water Uptake, and Superior Adsorption Capacity. ACS Sustainable Chemistry and Engineering, 2018, 6, 5950-5958. | 6.7 | 43 |
| 17 | Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. Biomacromolecules, 2018, 19, 1966-1978. | 5.4 | 70 |
| 18 | Root-soil structure inspired hydrogel microspheres with high dimensional stability and anion-exchange capacity. Journal of Colloid and Interface Science, 2018, 532, 680-688. | 9.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Mussel-inspired chitosan-polyurethane coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. Carbohydrate Polymers, 2017, 168, 310-319. | 10.2 | 62 |
| 20 | A facile approach towards amino-coated polyethersulfone particles for the removal of toxins. Journal of Colloid and Interface Science, 2017, 485, 39-50. | 9.4 | 49 |
| 21 | Effect of SiO ₂ Nanoparticles on Wax Crystallization and Flow Behavior of Model Crude Oil. Industrial & Engineering Chemistry Research, 2016, 55, 6563-6568. | 3.7 | 54 |