

Umair Azhar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

419
citations

687363

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752698

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all docs

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docs citations

23
times ranked

468
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Smart Copolymer-Functionalized Flexible Surfaces with Photoswitchable Wettability: From Superhydrophobicity with a Rose Petal Effect to Superhydrophilicity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25436-25444. | 8.0 | 55 |
| 2 | Cytocompatible and non-fouling zwitterionic hyaluronic acid-based hydrogels using thiol-ene click chemistry for cell encapsulation. <i>Carbohydrate Polymers</i> , 2020, 236, 116021. | 10.2 | 52 |
| 3 | BiOCl-Coated UiO-66-NH ₂ Metal-Organic Framework Nanoparticles for Visible-Light Photocatalytic Cr(VI) Reduction. <i>ACS Applied Nano Materials</i> , 2021, 4, 4037-4047. | 5.0 | 49 |
| 4 | Synthesis of fluorinated nanoparticles via RAFT dispersion polymerization-induced self-assembly using fluorinated macro-RAFT agents in supercritical carbon dioxide. <i>RSC Advances</i> , 2017, 7, 51612-51620. | 3.6 | 31 |
| 5 | Highly porous and chemical resistive P(TFEMA- <i>b</i> -DVB) monolith with tunable morphology for rapid oil/water separation. <i>RSC Advances</i> , 2018, 8, 8355-8364. | 3.6 | 24 |
| 6 | A cationic fluorosurfactant for fabrication of high-performance fluoropolymer foams with controllable morphology. <i>Materials and Design</i> , 2017, 124, 194-202. | 7.0 | 23 |
| 7 | Porous multifunctional fluoropolymer composite foams prepared via humic acid modified Fe ₃ O ₄ nanoparticles stabilized Pickering high internal phase emulsion using cationic fluorosurfactant as co-stabilizer. <i>Arabian Journal of Chemistry</i> , 2019, 12, 559-572. | 4.9 | 21 |
| 8 | Non-crosslinked fluorinated copolymer particles stabilized Pickering high internal phase emulsion for fabrication of porous polymer monoliths. <i>Polymer</i> , 2019, 172, 160-169. | 3.8 | 20 |
| 9 | Synergetic effect of ZnIn ₂ S ₄ nanosheets with metal-organic framework molding heterostructure for efficient visible-light driven photocatalytic reduction of Cr(VI). <i>Arabian Journal of Chemistry</i> , 2020, 13, 5939-5948. | 4.9 | 20 |
| 10 | Synthesis of Well-Defined PVDF-Based Amphiphilic Block Copolymer via Iodine Transfer Polymerization for Antifouling Membrane Application. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8689-8697. | 3.7 | 18 |
| 11 | Di-block copolymer stabilized methyl methacrylate based polyHIPEs: Influence of hydrophilic and hydrophobic co-monomers on morphology, wettability and thermal properties. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3801-3816. | 4.9 | 18 |
| 12 | Methyl Methacrylate HIPE Solely Stabilized by Fluorinated Di-block Copolymer for Fabrication of Highly Porous and Interconnected Polymer Monoliths. <i>Chemistry - A European Journal</i> , 2018, 24, 11619-11626. | 3.3 | 16 |
| 13 | Photocontrollable Wrinkle Morphology Evolution on Azo-Based Multilayers for Hierarchical Surface Micropatterns Fabrication. <i>Langmuir</i> , 2019, 35, 2601-2609. | 3.5 | 15 |
| 14 | Preparation of Thermo-Responsive and Cross-Linked Fluorinated Nanoparticles via RAFT-Mediated Aqueous Polymerization in Nanoreactors. <i>Molecules</i> , 2017, 22, 152. | 3.8 | 11 |
| 15 | A one-step fabrication and modification of HIPE-templated fluoro-porous polymer using PEG- <i>b</i> -PHFBMA macrosurfactant. <i>Journal of Materials Science</i> , 2020, 55, 4970-4986. | 3.7 | 10 |
| 16 | Free radical copolymerization of trifluoroethyl methacrylate with perfluoroalkyl ethyl acrylates for superhydrophobic coating application. <i>Journal of Coatings Technology Research</i> , 2019, 16, 711-719. | 2.5 | 9 |
| 17 | Preparation and Insights of Smart Foams with Phototunable Foamability Based on Azobenzene-Containing Surfactants. <i>Langmuir</i> , 2020, 36, 15423-15429. | 3.5 | 9 |
| 18 | A facile fabrication of porous fluoro-polymer with excellent mechanical properties based on high internal phase emulsion templating using PLA as co-stabilizer. <i>RSC Advances</i> , 2019, 9, 40513-40522. | 3.6 | 6 |

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|----|---|-----|-----------|
| 19 | Preparation of fluoropolymer materials with different porous morphologies by an emulsion template method using supercritical carbon dioxide as a medium. RSC Advances, 2019, 9, 11331-11340. | 3.6 | 5 |
| 20 | Synthesis and performance of a Mono (dodecafluoroheptyl) acetate surfactant. Journal of Dispersion Science and Technology, 2019, 40, 431-439. | 2.4 | 3 |
| 21 | Data set on stability comparison of emulsions stabilized by cationic fluorosurfactant against conventional surfactants and high thermal performance of fluoropolymer foams. Data in Brief, 2017, 13, 396-400. | 1.0 | 2 |
| 22 | Synthesis and characterization of hydrophilicity-controlled poly(arylene ether sulfone) copolymers with phenolphthalein-based carboxylic acid groups for separation membrane applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 1040-1049. | 2.2 | 2 |
| 23 | Long-Lasting and Rapid-Responsive Media for Rewritable Information Storage Based on Low-Cost N-Substituted Maleimides Oligomers. Macromolecular Materials and Engineering, 2020, 305, 1900560. | 3.6 | 0 |