

Shaun C Howard

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

669
citations

687220

13
h-index

794469

19
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19
all docs

19
docs citations

19
times ranked

1232
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Gasâ€Separation Membranes Loaded with Porous Aromatic Frameworks that Improve with Age. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2669-2673. | 7.2 | 175 |
| 2 | Highly active catalyst for CO ₂ methanation derived from a metal organic framework template. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12990-12997. | 5.2 | 95 |
| 3 | Protic ionic liquids (PILs) nanostructure and physicochemical properties: development of high-throughput methodology for PIL creation and property screens. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2357-2365. | 1.3 | 57 |
| 4 | An ultrafast insulin formulation enabled by high-throughput screening of engineered polymeric excipients. <i>Science Translational Medicine</i> , 2020, 12, . | 5.8 | 46 |
| 5 | Elucidating Surface and Bulk Phase Transformation in Fischerâ€Tropsch Synthesis Catalysts and Their Influences on Catalytic Performance. <i>ACS Catalysis</i> , 2019, 9, 7976-7983. | 5.5 | 42 |
| 6 | A Pilotâ€Scale Demonstration of Mobile Direct Air Capture Using Metalâ€Organic Frameworks. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000101. | 2.7 | 37 |
| 7 | Lipid Nanodiscs via Ordered Copolymers. <i>CheM</i> , 2020, 6, 2782-2795. | 5.8 | 32 |
| 8 | Very slow surfactant adsorption at the solidâ€liquid interface is due to long lived surface aggregates. <i>Soft Matter</i> , 2009, 5, 3061. | 1.2 | 27 |
| 9 | Unveiling the structural transitions during activation of a CO ₂ methanation catalyst RuO/ZrO ₂ synthesised from a MOF precursor. <i>Catalysis Today</i> , 2021, 368, 66-77. | 2.2 | 27 |
| 10 | Swelling and Collapse of an Adsorbed pH-Responsive Film-Forming Microgel Measured by Optical Reflectometry and QCM. <i>Langmuir</i> , 2010, 26, 14615-14623. | 1.6 | 26 |
| 11 | Adsorption of the Cationic Surfactant Cetyltrimethylammonium Bromide to Silica in the Presence of Sodium Salicylate: Surface Excess and Kinetics. <i>Langmuir</i> , 2009, 25, 13015-13024. | 1.6 | 22 |
| 12 | <i>Ab initio</i> RAFT emulsion polymerization mediated by small cationic RAFT agents to form polymers with low molar mass dispersity. <i>Polymer Chemistry</i> , 2019, 10, 5044-5051. | 1.9 | 17 |
| 13 | Effect of electrolyte species on the adsorption of a cationic surfactant to silica: The common intersection point. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 109-113. | 2.3 | 16 |
| 14 | Model Surfaces Produced by Atomic Layer Deposition. <i>Chemistry Letters</i> , 2012, 41, 1247-1249. | 0.7 | 12 |
| 15 | Surface Forces between Titanium Dioxide Surfaces in the Presence of Cationic Surfactant as a Function of Surfactant Concentration, Electrolyte Concentration, and pH. <i>Langmuir</i> , 2014, 30, 2789-2798. | 1.6 | 12 |
| 16 | High Yield Stress Associated with Capillary Attraction between Alumina Surfaces in the Presence of Low Molecular Weight Dicarboxylic Acids. <i>Langmuir</i> , 2010, 26, 3067-3076. | 1.6 | 10 |
| 17 | Resonant Acoustic Mixing Method to Produce Lipid-Based Liquid-Crystal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10653-10664. | 1.5 | 8 |
| 18 | Generation and Characterization of a Library of Novel Biologically Active Functional Surfactants (Surfmers) Using Combined High-Throughput Methods. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43290-43300. | 4.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | In Situ MOF-Templating of Rh Nanocatalysts under Reducing Conditions. Australian Journal of Chemistry, 2020, 73, 1271. | 0.5 | 3 |