

Dmytro Dedovets

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 51 |
| 2 | Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 4 |
| 3 | Pickering Interfacial Catalysis for Aerobic Alcohol Oxidation in Oil Foams. <i>Journal of the American Chemical Society</i> , 2022, 144, 1729-1738. | 13.7 | 13 |
| 4 | Organic foams stabilized by Biphenyl-bridged organosilica particles. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 171-181. | 9.4 | 4 |
| 5 | Oil foams stabilized by POSS/organosilica particle assemblies: application for aerobic oxidation of aromatic alcohols. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9997-10003. | 10.3 | 3 |
| 6 | Microfluidic Device for Monitoring Catalytic Events on Armored Bubbles. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 3.7 | 2 |
| 7 | Unveiling Cells' Local Environment during Cryopreservation by Correlative <i>In Situ</i> Spatial and Thermal Analyses. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7730-7738. | 4.6 | 6 |
| 8 | Solute strongly impacts freezing under confinement. <i>Applied Physics Letters</i> , 2020, 116, . | 3.3 | 12 |
| 9 | Hierarchical chirality expression of gemini surfactant aggregates via equilibrium between chiral nucleotide and nonchiral monoanions. <i>Chirality</i> , 2020, 32, 949-960. | 2.6 | 2 |
| 10 | Nanoparticle foam flotation for caesium decontamination using a pH-sensitive surfactant. <i>Environmental Science: Nano</i> , 2019, 6, 1576-1584. | 4.3 | 11 |
| 11 | Multiphase imaging of freezing particle suspensions by confocal microscopy. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2687-2693. | 5.7 | 24 |
| 12 | Five-dimensional imaging of freezing emulsions with solute effects. <i>Science</i> , 2018, 360, 303-306. | 12.6 | 47 |
| 13 | A temperature-controlled stage for laser scanning confocal microscopy and case studies in materials science. <i>Ultramicroscopy</i> , 2018, 195, 1-11. | 1.9 | 14 |
| 14 | Water/ice phase transition: The role of zirconium acetate, a compound with ice-shaping properties. <i>Journal of Chemical Physics</i> , 2017, 146, 144504. | 3.0 | 3 |
| 15 | Structural and mechanical characterization of hybrid metallic-inorganic nanosprings. <i>Materials Research Express</i> , 2017, 4, 105023. | 1.6 | 0 |
| 16 | Synthesis of poly(diallyldimethylammonium) capped copper hexacyanoferrate (CuHCF) nanoparticles: An efficient stabiliser for Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 364-372. | 9.4 | 9 |
| 17 | Time-Lapse, <i>In Situ</i> Imaging of Ice Crystal Growth Using Confocal Microscopy. <i>ACS Omega</i> , 2016, 1, 1019-1026. | 3.5 | 28 |
| 18 | Switchable self-assembly of Prussian blue analogs nano-tiles triggered by salt stimulus. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3188-3196. | 2.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Chiral Colloids: Homogeneous Suspension of Individualized SiO ₂ Helical and Twisted Nanoribbons. ACS Nano, 2014, 8, 6863-6872. | 14.6 | 47 |
| 20 | Effect of Hofmeister and Alkylcarboxylate Anionic Counterions on the Krafft Temperature and Melting Temperature of Cationic Gemini Surfactants. Langmuir, 2013, 29, 3518-3526. | 3.5 | 38 |
| 21 | Determination of the elastic properties of SiO ₂ nanotubes templated from organic amphiphilic self-assemblies through inorganic transcription. Applied Physics Letters, 2013, 102, 151904. | 3.3 | 4 |
| 22 | Foams Stabilized by Aquivion TM PFSA: Application to Interfacial Catalysis for Cascade Reactions. Advanced Materials Interfaces, 0, , 2200380. | 3.7 | 0 |