# Michael Maas

## List of Publications by Year
## in descending order

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51
papers

1,403
citations

430874
18
h-index

330143
37
g-index

55
all docs

55
docs citations

55
times ranked

2523
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Arsenic and sulfur nanoparticle synthesis mimicking environmental conditions of submarine shallow-water hydrothermal vents. Journal of Environmental Sciences, 2022, 111, 301-312. | 6.1 | 1 |
| 2 | Genipin-crosslinked chitosan/alginate/alumina nanocomposite gels for 3D bioprinting. Bioprocess and Biosystems Engineering, 2022, 45, 171-185. | 3.4 | 10 |
| 3 | Assessment of nanoparticle immersion depth at liquid interfaces from chemically equivalent macroscopic surfaces. Journal of Colloid and Interface Science, 2022, 611, 670-683. | 9.4 | 2 |
| 4 | 3D bioprinting of hydrogel/ceramic composites with hierarchical porosity. Journal of Materials Science, 2022, 57, 3662-3677. | 3.7 | 5 |
| 5 | Plasmonic porous ceramics based on zirconia-toughened alumina functionalized with silver nanoparticles for surface-enhanced Raman scattering. Open Ceramics, 2022, 9, 100228. | 2.0 | 3 |
| 6 | Edible high internal phase Pickering emulsion with double-emulsion morphology. Food Hydrocolloids, 2021, 111, 106405. | 10.7 | 53 |
| 7 | Synergistic and Competitive Adsorption of Hydrophilic Nanoparticles and Oil-Soluble Surfactants at the Oilâ€“Water Interface. Langmuir, 2021, 37, 5659-5672. | 3.5 | 20 |
| 8 | A versatile ceramic capillary membrane reactor system for continuous enzymeâ€catalyzed hydrolysis. Engineering in Life Sciences, 2021, 21, 527-538. | 3.6 | 3 |
| 9 | Janus nanoparticles designed for extended cell surface attachment. Nanoscale, 2020, 12, 18938-18949. | 5.6 | 12 |
| 10 | Enzymatische Hydrolyseprozesse im kontinuierlich betriebenen Keramikkapillarreaktor. Chemie-Ingenieur-Technik, 2020, 92, 1213-1213. | 0.8 | 0 |
| 11 | Wet-spinning of magneto-responsive helical chitosan microfibers. Beilstein Journal of Nanotechnology, 2020, 11, 991-999. | 2.8 | 5 |
| 12 | Particle size analysis and characterization of nanodiamond dispersions in water and dimethylformamide by various scattering and diffraction methods. Journal of Nanoparticle Research, 2020, 22, 1. | 1.9 | 15 |
| 13 | Tailoring electrostatic surface potential and adsorption capacity of porous ceramics by silica-assisted sintering. Materialia, 2020, 12, 100735. | 2.7 | 7 |
| 14 | Reversible Adsorption of Nanoparticles at Surfactant-Laden Liquidâ€“Liquid Interfaces. Langmuir, 2019, 35, 11089-11098. | 3.5 | 15 |
| 15 | Selective, Agglomerate-Free Separation of Bacteria Using Biofunctionalized, Magnetic Janus Nanoparticles. ACS Applied Bio Materials, 2019, 2, 3520-3531. | 4.6 | 14 |
| 16 | Amorphous arsenic sulfide nanoparticles in a shallow water hydrothermal system. Marine Chemistry, 2019, 211, 25-36. | 2.3 | 17 |
| 17 | Embedding live bacteria in porous hydrogel/ceramic nanocomposites for bioprocessing applications. Bioprocess and Biosystems Engineering, 2019, 42, 1215-1224. | 3.4 | 8 |
| 18 | Proteolytic ceramic capillary membranes for the production of peptides under flow. Biochemical Engineering Journal, 2019, 147, 89-99. | 3.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rheology and Biostratigraphy of the Mariana Serpentine Muds Unravel Mud Volcano Evolution. Journal of Geophysical Research: Solid Earth, 2019, 124, 10752-10776. | 3.4 | 8 |
| 20 | Mineralization of iron oxide by ferritin homopolymers immobilized on SiO<sub>2</sub> nanoparticles. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 16-27. | 0.9 | 1 |
| 21 | Hydrophobic ceramic capillary membranes for versatile virus filtration. Journal of Membrane Science, 2019, 570-571, 85-92. | 8.2 | 18 |
| 22 | Effect of divalent<i>versus</i>monovalent cations on the MS2 retention capacity of amino-functionalized ceramic filters. Physical Chemistry Chemical Physics, 2018, 20, 11215-11223. | 2.8 | 3 |
| 23 | Nanoscale Janus Particles with Dual Protein Functionalization. Particle and Particle Systems Characterization, 2018, 35, 1700332. | 2.3 | 23 |
| 24 | Anchoring of Iron Oxyhydroxide Clusters at H and L Ferritin Subunits. ACS Biomaterials Science and Engineering, 2018, 4, 483-490. | 5.2 | 5 |
| 25 | Flow rate dependent continuous hydrolysis of protein isolates. AMB Express, 2018, 8, 18. | 3.0 | 15 |
| 26 | Colloidal capsules: nano- and microcapsules with colloidal particle shells. Chemical Society Reviews, 2017, 46, 2091-2126. | 38.1 | 246 |
| 27 | Chitosan supraparticles with fluorescent silica nanoparticle shells and nanodiamond-loaded cores. Journal of Materials Chemistry B, 2017, 5, 1664-1672. | 5.8 | 8 |
| 28 | An evaluation of colloidal and crystalline properties of CaCO 3 nanoparticles for biological applications. Materials Science and Engineering C, 2017, 78, 305-314. | 7.3 | 39 |
| 29 | Electrostatic assembly of zwitterionic and amphiphilic supraparticles. Journal of Colloid and Interface Science, 2017, 501, 256-266. | 9.4 | 20 |
| 30 | Carbon Nanomaterials as Antibacterial Colloids. Materials, 2016, 9, 617. | 2.9 | 89 |
| 31 | Self-Assembly and Shape Control of Hybrid Nanocarriers Based on Calcium Carbonate and Carbon Nanodots. Chemistry of Materials, 2016, 28, 3796-3803. | 6.7 | 18 |
| 32 | Enhanced cell adhesion on bioinert ceramics mediated by the osteogenic cell membrane enzyme alkaline phosphatase. Materials Science and Engineering C, 2016, 69, 184-194. | 7.3 | 18 |
| 33 | Enhancing Cellular Uptake and Doxorubicin Delivery of Mesoporous Silica Nanoparticles via Surface Functionalization: Effects of Serum. ACS Applied Materials &amp; Interfaces, 2015, 7, 26880-26891. | 8.0 | 69 |
| 34 | Bifunctional Submicron Colloidosomes Coassembled from Fluorescent and Superparamagnetic Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 118-123. | 13.8 | 49 |
| 35 | Diamondosomes: Submicron Colloidosomes with Nanodiamond Shells. Particle and Particle Systems Characterization, 2014, 31, 1067-1071. | 2.3 | 16 |
| 36 | Coacervate-directed synthesis of CaCO<sub>3</sub> microcarriers for pH-responsive delivery of biomolecules. Journal of Materials Chemistry B, 2014, 2, 7725-7731. | 5.8 | 39 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | The contribution of rheology for designing hydroxyapatite biomaterials. Current Opinion in Colloid and Interface Science, 2014, 19, 585-593. | 7.4 | 30 |
| 38 | Bactericidal Activity of Partially Oxidized Nanodiamonds. ACS Nano, 2014, 8, 6475-6483. | 14.6 | 184 |
| 39 | Synthesis Route for the Self-Assembly of Submicrometer-Sized Colloidosomes with Tailorable Nanopores. Chemistry of Materials, 2013, 25, 3464-3471. | 6.7 | 47 |
| 40 | Simultaneous ground and satellite observations of discrete auroral arcs, substorm aurora, and AlfvÃ©nic aurora with FAST and THEMIS GBO. Journal of Geophysical Research: Space Physics, 2013, 118, 6998-7010. | 2.4 | 7 |
| 41 | A critical study: Assessment of the effect of silica particles from 15 to 500Ânm on bacterial viability. Environmental Pollution, 2013, 176, 292-299. | 7.5 | 24 |
| 42 | Towards the synthesis of hydroxyapatite/protein scaffolds with controlled porosities: Bulk and interfacial shear rheology of a hydroxyapatite suspension with protein additives. Journal of Colloid and Interface Science, 2013, 407, 529-535. | 9.4 | 10 |
| 43 | Micromolding of Calcium Carbonate Using a Bioâ€Inspired, Coacervationâ€Mediated Process. Journal of the American Ceramic Society, 2013, 96, 736-742. | 3.8 | 15 |
| 44 | Preparation of Mineralized Nanofibers: Collagen Fibrils Containing Calcium Phosphate. Nano Letters, 2011, 11, 1383-1388. | 9.1 | 71 |
| 45 | Biomimetic formation of thin, coherent iron oxide films under Langmuir monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 149-155. | 4.7 | 7 |
| 46 | Thin Film Formation of Silica Nanoparticle/Lipid Composite Films at the Fluidâˆ’Fluid Interface. Langmuir, 2010, 26, 17867-17873. | 3.5 | 18 |
| 47 | In situ observation of maghemite nanoparticle adsorption at the water/gas interface. European Physical Journal: Special Topics, 2009, 167, 133-136. | 2.6 | 4 |
| 48 | A Detailed Study of Closed Calcium Carbonate Films at the Liquidâˆ’Liquid Interface. Langmuir, 2009, 25, 2258-2263. | 3.5 | 17 |
| 49 | In Situ Observation of Î³-Fe<sub>2</sub>O<sub>3</sub>Nanoparticle Adsorption under Different Monolayers at the Air/Water Interface. Langmuir, 2008, 24, 12958-12962. | 3.5 | 26 |
| 50 | Formation and Structure of Coherent, Ultra-thin Calcium Carbonate Films below Monolayers of Stearic Acid at the Oil/Water Interface. , 2008, , 11-18. |  | 1 |
| 51 | On the formation of calcium carbonate thin films under Langmuir monolayers of stearic acid. Colloid and Polymer Science, 2007, 285, 1301-1311. | 2.1 | 23 |