

# Lee A Fielding

## List of Publications by Year in descending order

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52  
papers

3,054  
citations

186209

28  
h-index

182361

51  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2685  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Pyridine-functional diblock copolymer nanoparticles synthesized <i>via</i> RAFT-mediated polymerization-induced self-assembly: effect of solution pH. <i>Soft Matter</i> , 2022, 18, 1385-1394.            | 1.2 | 5         |
| 2  | Preparation and characterisation of graphene oxide containing block copolymer worm gels. <i>Soft Matter</i> , 2022, 18, 2422-2433.   | 1.2 | 6         |
| 3  | Differential Ablation of Organic Coatings From Micrometeoroids Simulated in the Laboratory. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .   | 1.5 | 5         |
| 4  | Physical Adsorption of Graphene Oxide onto Polymer Latexes and Characterization of the Resulting Nanocomposite Particles. <i>Langmuir</i> , 2022, 38, 8187-8199.   | 1.6 | 1         |
| 5  | RAFT miniemulsion polymerisation of benzyl methacrylate using non-ionic surfactant. <i>Polymer Chemistry</i> , 2021, 12, 2122-2131.  | 1.9 | 6         |
| 6  | One-pot precipitation polymerisation strategy for tuneable injectable Laponite <sup>®</sup> -pNIPAM hydrogels: Polymerisation, processability and beyond. <i>Polymer</i> , 2021, 233, 124201.              | 1.8 | 8         |
| 7  | Investigating the influence of solvent quality on RAFT-mediated PISA of sulfonate-functional diblock copolymer nanoparticles. <i>Polymer Chemistry</i> , 2020, 11, 3416-3426.                              | 1.9 | 14        |
| 8  | Self-curing super-stretchable polymer/microgel complex coacervate gels without covalent bond formation. <i>Chemical Science</i> , 2019, 10, 8832-8839.   | 3.7 | 15        |
| 9  | Rationally designed anionic diblock copolymer worm gels are useful model systems for calcite occlusion studies. <i>Polymer Chemistry</i> , 2019, 10, 5131-5141.  | 1.9 | 9         |
| 10 | Spatially Controlled Occlusion of Polymer-stabilized Gold Nanoparticles within ZnO. <i>Angewandte Chemie</i> , 2019, 131, 4346-4351.   | 1.6 | 9         |
| 11 | Spatially Controlled Occlusion of Polymer-stabilized Gold Nanoparticles within ZnO. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4302-4307.  | 7.2 | 35        |
| 12 | Synthesis and pH-responsive dissociation of framboidal ABC triblock copolymer vesicles in aqueous solution. <i>Chemical Science</i> , 2018, 9, 1454-1463.  | 3.7 | 42        |
| 13 | Critical Dependence of Molecular Weight on Thermo-responsive Behavior of Diblock Copolymer Worm Gels in Aqueous Solution. <i>Macromolecules</i> , 2018, 51, 8357-8371.                                     | 2.2 | 65        |
| 14 | Influence of the Structure of Block Copolymer Nanoparticles on the Growth of Calcium Carbonate. <i>Chemistry of Materials</i> , 2018, 30, 7091-7099.   | 3.2 | 22        |
| 15 | Mechanistic Insights into Diblock Copolymer Nanoparticle-Crystal Interactions Revealed via <i>in Situ</i> Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 7936-7945. | 6.6 | 40        |
| 16 | Anisotropic pH-Responsive Hydrogels Containing Soft or Hard Rod-Like Particles Assembled Using Low Shear. <i>Chemistry of Materials</i> , 2017, 29, 3100-3110.   | 3.2 | 29        |
| 17 | Self-assembly of poly(lauryl methacrylate)-b-poly(benzyl methacrylate) nano-objects synthesised by ATRP and their temperature-responsive dispersion properties. <i>Soft Matter</i> , 2017, 13, 2228-2238.  | 1.2 | 27        |
| 18 | Time-Resolved SAXS Studies of the Kinetics of Thermally Triggered Release of Encapsulated Silica Nanoparticles from Block Copolymer Vesicles. <i>Macromolecules</i> , 2017, 50, 4465-4473.                 | 2.2 | 30        |

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|----|---|------|-----------|
| 19 | Determining the Effective Density and Stabilizer Layer Thickness of Sterically Stabilized Nanoparticles. <i>Macromolecules</i> , 2016, 49, 5160-5171.   | 2.2  | 70        |
| 20 | Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. <i>Advanced Functional Materials</i> , 2016, 26, 1382-1392.                               | 7.8  | 63        |
| 21 | In situ small-angle X-ray scattering studies of sterically-stabilized diblock copolymer nanoparticles formed during polymerization-induced self-assembly in non-polar media. <i>Chemical Science</i> , 2016, 7, 5078-5090.  | 3.7  | 130       |
| 22 | Occlusion of Sulfate-Based Diblock Copolymer Nanoparticles within Calcite: Effect of Varying the Surface Density of Anionic Stabilizer Chains. <i>Journal of the American Chemical Society</i> , 2016, 138, 11734-11742.    | 6.6  | 67        |
| 23 | RAFT Aqueous Dispersion Polymerization of <i>N</i> -(2-(Methacryloyloxy)ethyl)pyrrolidone: A Convenient Low Viscosity Route to High Molecular Weight Water-Soluble Copolymers. <i>Macromolecules</i> , 2016, 49, 4520-4533. | 2.2  | 32        |
| 24 | Incorporating Diblock Copolymer Nanoparticles into Calcite Crystals: Do Anionic Carboxylate Groups Alone Ensure Efficient Occlusion?. <i>ACS Macro Letters</i> , 2016, 5, 311-315.  | 2.3  | 40        |
| 25 | Phosphonic Acid-Functionalized Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly: Synthesis, Characterization, and Occlusion into Calcite Crystals. <i>Macromolecules</i> , 2016, 49, 192-204.        | 2.2  | 58        |
| 26 | Polymerization-induced self-assembly of block copolymer nanoparticles via RAFT non-aqueous dispersion polymerization. <i>Progress in Polymer Science</i> , 2016, 52, 1-18.  | 11.8 | 520       |
| 27 | Is Carbon Black a Suitable Model Colloidal Substrate for Diesel Soot?. <i>Langmuir</i> , 2015, 31, 10358-10369.   | 1.6  | 45        |
| 28 | Industrially-relevant polymerization-induced self-assembly formulations in non-polar solvents: RAFT dispersion polymerization of benzyl methacrylate. <i>Polymer Chemistry</i> , 2015, 6, 3054-3062.                        | 1.9  | 147       |
| 29 | Star Diblock Copolymer Concentration Dictates the Degree of Dispersion of Carbon Black Particles in Nonpolar Media: Bridging Flocculation versus Steric Stabilization. <i>Macromolecules</i> , 2015, 48, 3691-3704.         | 2.2  | 22        |
| 30 | Space science applications for conducting polymer particles: synthetic mimics for cosmic dust and micrometeorites. <i>Chemical Communications</i> , 2015, 51, 16886-16899.  | 2.2  | 58        |
| 31 | Vermicious thermo-responsive Pickering emulsifiers. <i>Chemical Science</i> , 2015, 6, 4207-4214.   | 3.7  | 108       |
| 32 | Sulfate-based anionic diblock copolymer nanoparticles for efficient occlusion within zinc oxide. <i>Nanoscale</i> , 2015, 7, 6691-6702.   | 2.8  | 55        |
| 33 | Determination of Effective Particle Density for Sterically Stabilized Carbon Black Particles: Effect of Diblock Copolymer Stabilizer Composition. <i>Langmuir</i> , 2015, 31, 8764-8773.                                    | 1.6  | 17        |
| 34 | Preparation of Pickering Double Emulsions Using Block Copolymer Worms. <i>Langmuir</i> , 2015, 31, 4137-4144.   | 1.6  | 86        |
| 35 | Aerosols: One-Pot Preparation of Conducting Polymer-Coated Silica Particles: Model Highly Absorbing Aerosols ( <i>Adv. Funct. Mater.</i> 9/2014). <i>Advanced Functional Materials</i> , 2014, 24, 1186-1186.               | 7.8  | 0         |
| 36 | Morphology of craters generated by hypervelocity impacts of micron-sized polypyrrole-coated olivine particles. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1375-1387.  | 0.7  | 6         |

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|----|--|-----|-----------|
| 37 | Stardust Interstellar Preliminary Examination <sc>IX</sc>: High-speed interstellar dust analog capture in Stardust flight spare aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1666-1679.                       | 0.7 | 19        |
| 38 | Preparation of Double Emulsions using Hybrid Polymer/Silica Particles: New Pickering Emulsifiers with Adjustable Surface Wettability. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 20919-20927.                    | 4.0 | 60        |
| 39 | Micron-scale hypervelocity impact craters: Dependence of crater ellipticity and rim morphology on impact trajectory, projectile size, velocity, and shape. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1929-1947.     | 0.7 | 12        |
| 40 | One-pot Preparation of Conducting Polymer-coated Silica Particles: Model Highly Absorbing Aerosols. <i>Advanced Functional Materials</i> , 2014, 24, 1290-1299.  | 7.8 | 23        |
| 41 | Thermo-responsive Diblock Copolymer Worm Gels in Non-polar Solvents. <i>Journal of the American Chemical Society</i> , 2014, 136, 5790-5798.   | 6.6 | 266       |
| 42 | One-pot synthesis of an inorganic heterostructure: uniform occlusion of magnetite nanoparticles within calcite single crystals. <i>Chemical Science</i> , 2014, 5, 738-743.  | 3.7 | 75        |
| 43 | Visible Mie Scattering from Hollow Silica Particles with Particulate Shells. <i>Chemistry of Materials</i> , 2014, 26, 1270-1277.  | 3.2 | 45        |
| 44 | Physical adsorption of anisotropic titania nanoparticles onto poly(2-vinylpyridine) latex and characterisation of the resulting nanocomposite particles. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 170-180. | 5.0 | 6         |
| 45 | Impact ionisation mass spectrometry of polypyrrole-coated pyrrhotite microparticles. <i>Planetary and Space Science</i> , 2014, 97, 9-22.  | 0.9 | 21        |
| 46 | Synthesis and characterisation of sterically stabilised polypyrrole particles using a chemically reactive poly(vinyl amine)-based stabiliser. <i>Colloid and Polymer Science</i> , 2013, 291, 77-86.                           | 1.0 | 9         |
| 47 | Novel Pickering Emulsifiers Based on pH-Responsive Poly(2-(diethylamino)ethyl methacrylate) Latexes. <i>Langmuir</i> , 2013, 29, 5466-5475.  | 1.6 | 124       |
| 48 | RAFT dispersion polymerization in non-polar solvents: facile production of block copolymer spheres, worms and vesicles in n-alkanes. <i>Chemical Science</i> , 2013, 4, 2081.  | 3.7 | 259       |
| 49 | Correcting for a Density Distribution: Particle Size Analysis of Core-shell Nanocomposite Particles Using Disk Centrifuge Photosedimentometry. <i>Langmuir</i> , 2012, 28, 2536-2544.  | 1.6 | 36        |
| 50 | Preparation of Pickering emulsions and colloidosomes using either a glycerol-functionalised silica sol or core-shell polymer/silica nanocomposite particles. <i>Journal of Materials Chemistry</i> , 2012, 22, 11235.          | 6.7 | 61        |
| 51 | Synthesis of pH-responsive tertiary amine methacrylate polymer brushes and their response to acidic vapour. <i>Journal of Materials Chemistry</i> , 2011, 21, 11773.   | 6.7 | 80        |
| 52 | All-Acrylic Film-Forming Colloidal Polymer/Silica Nanocomposite Particles Prepared by Aqueous Emulsion Polymerization. <i>Langmuir</i> , 2011, 27, 11129-11144.  | 1.6 | 66        |