

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-----------------------|----------------|----------------|
| 32 papers | 873 citations | 13 h-index | 29 g-index |
| 36 ext. papers | 941 ext. citations | 4.6 avg, IF | 3.8 L-index |

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 32 | Microemulsion dynamics and reactions in microemulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2004 , 9, 264-278 | 7.6 | 328 |
| 31 | Kinetics of the Formation of Particles in Microemulsions. <i>Langmuir</i> , 1997 , 13, 1970-1977 | 4 | 85 |
| 30 | Preparation of Nanoparticles in Microemulsions: A Monte Carlo Study of the Influence of the Synthesis Variables <i>Langmuir</i> , 1997 , 13, 4527-4534 | 4 | 75 |
| 29 | Effects of the Intermicellar Exchange on the Size Control of Nanoparticles Synthesized in Microemulsions. <i>Langmuir</i> , 2001 , 17, 7251-7254 | 4 | 47 |
| 28 | Surfactant Effects on Microemulsion-Based Nanoparticle Synthesis. <i>Materials</i> , 2010 , 4, 55-72 | 3.5 | 33 |
| 27 | Effects of the reaction rate on the size control of nanoparticles synthesized in microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 270-271, 83-87 | 5.1 | 32 |
| 26 | Simulation of the kinetics of nanoparticle formation in microemulsions. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 741-8 | 9.3 | 29 |
| 25 | On the Structure of Bimetallic Nanoparticles Synthesized in Microemulsions. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19145-19154 | 3.8 | 26 |
| 24 | The Influence of Reactant Excess and Film Flexibility on the Mechanism of Nanoparticle Formation in Microemulsions: A Monte Carlo Simulation. <i>Langmuir</i> , 1998 , 14, 6835-6839 | 4 | 25 |
| 23 | Critical nucleus size effects on nanoparticle formation in microemulsions: a comparison study between experimental and simulation results. <i>Journal of Colloid and Interface Science</i> , 2006 , 296, 591-8 | 9.3 | 23 |
| 22 | Microemulsions as microreactors: a Monte Carlo simulation on the synthesis of particles. <i>Journal of Non-Crystalline Solids</i> , 1998 , 235-237, 688-691 | 3.9 | 18 |
| 21 | Controlling Bimetallic Nanostructures by the Microemulsion Method with Subnanometer Resolution Using a Prediction Model. <i>Langmuir</i> , 2015 , 31, 7435-9 | 4 | 17 |
| 20 | Cage-like effect in Au-Pt nanoparticle synthesis in microemulsions: a simulation study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19720-31 | 3.6 | 16 |
| 19 | On Metal Segregation of Bimetallic Nanocatalysts Prepared by a One-Pot Method in Microemulsions. <i>Catalysts</i> , 2017 , 7, 68 | 4 | 11 |
| 18 | Modelling of nano-alloying and structural evolution of bimetallic core-shell nanoparticles obtained via the microemulsion route. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 73-83 | 9.3 | 11 |
| 17 | Fractal analysis of brownian trajectories in fluids. <i>Molecular Physics</i> , 1988 , 65, 1195-1204 | 1.7 | 11 |
| 16 | Understanding the Metal Distribution in Core-Shell Nanoparticles Prepared in Micellar Media. <i>Nanoscale Research Letters</i> , 2015 , 10, 1048 | 5 | 10 |

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| 15 | Bimetallic nanoparticles synthesized in microemulsions: A computer simulation study on relationship between kinetics and metal segregation. <i>Journal of Colloid and Interface Science</i> , 2018 , 510, 152-161 | 9.3 | 10 |
| 14 | Designing Bimetallic Nanoparticle Structures Prepared from Microemulsions. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17801-17813 | 3.8 | 9 |
| 13 | Kinetic Study on the Formation of Bimetallic Core-Shell Nanoparticles via Microemulsions. <i>Materials</i> , 2014 , 7, 7513-7532 | 3.5 | 9 |
| 12 | A computer simulation study on the influence of the critical nucleus on the mechanism of formation of nanoparticles in microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 270-271, 78-82 | 5.1 | 9 |
| 11 | Synthesis of Nanoparticles in Microemulsions 2004 , 135-155 | | 8 |
| 10 | Plant Antioxidants in Food Emulsions 2019 , | | 6 |
| 9 | Synthesis of Pt/M (M = Au, Rh) Nanoparticles in Microemulsions: Controlling the Metal Distribution in Pt/M Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2503-2513 | 3.9 | 6 |
| 8 | Slowing Down Kinetics in Microemulsions for Nanosegregation Control: A Simulation Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20006-20018 | 3.8 | 5 |
| 7 | Blow-down of diffusion coefficient in finite Brownian motion. <i>Molecular Physics</i> , 1991 , 74, 785-793 | 1.7 | 4 |
| 6 | Core-Shell Nanocatalysts Obtained in Reverse Micelles: Structural and Kinetic Aspects. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-10 | 3.2 | 3 |
| 5 | The impact of the confinement of reactants on the metal distribution in bimetallic nanoparticles synthesized in reverse micelles. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 1966-79 | 3 | 3 |
| 4 | SYNTHESIS OF NANOPARTICLES IN MICROEMULSIONS: A COMPARISON STUDY BETWEEN EXPERIMENTAL AND SIMULATION RESULTS 1998 , | | 2 |
| 3 | Tailored surface composition of Au/Pt nanocatalysts synthesized in microemulsions: a simulation study.. <i>RSC Advances</i> , 2020 , 10, 42277-42286 | 3.7 | 1 |
| 2 | Insight into the surface composition of bimetallic nanocatalysts obtained from microemulsions. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 367-375 | 9.3 | 1 |
| 1 | A Simulation Study on the Structure of Bimetallic Nanoparticles Synthesized in Microemulsions 2011 , 155-159 | | |