

# Shima P Damodaran

## List of Publications by Year in Descending Order

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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.

|                   |                         |               |                 |
|-------------------|-------------------------|---------------|-----------------|
| 21<br>papers      | 1,664<br>citations      | 16<br>h-index | 21<br>g-index   |
| 21<br>ext. papers | 1,812<br>ext. citations | 4<br>avg, IF  | 5.06<br>L-index |

| #  | Paper  | IF    | Citations |
|----|--|-------|-----------|
| 21 | Tuning magnetic heating efficiency of colloidal dispersions of iron oxide nano-clusters by varying the surfactant concentration during solvothermal synthesis. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 360, 119444         | 6.444 | 1         |
| 20 | Novel Nanohybrid Containing Magnetite Nanocluster-Decorated Reduced Graphene Oxide Nanosheets for Heat Transfer Applications. <i>ChemistrySelect</i> , <b>2021</b> , 6, 6698-6706  | 1.8   |           |
| 19 | Mesoporous Magnetite Nanoclusters as Efficient Nanocarriers for Paclitaxel Delivery. <i>ChemistrySelect</i> , <b>2020</b> , 5, 9261-9268   | 1.8   | 2         |
| 18 | Graphene oxide-mesoporous iron oxide nanohybrid: an efficient reusable nanoadsorbent for the removal of organic dyes from wastewater. <i>Materials Research Express</i> , <b>2019</b> , 6, 0850f8                                      | 1.7   | 6         |
| 17 | Size-controlled synthesis of superparamagnetic magnetite nanoclusters for heat generation in an alternating magnetic field. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 281, 315-323   | 6     | 22        |
| 16 | Graphene oxide based highly sensitive electrochemical sensor for detection of environmental pollutants and biomolecules. <i>Materials Research Express</i> , <b>2019</b> , 6, 085548   | 1.7   | 9         |
| 15 | Mesoporous magnetite nanoparticle-decorated graphene oxide nanosheets for efficient electrochemical detection of hydrazine. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 4073-4088  | 4.3   | 27        |
| 14 | Graphene oxide-wrapped magnetite nanoclusters: A recyclable functional hybrid for fast and highly efficient removal of organic dyes from wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 2176-2190 | 6.8   | 42        |
| 13 | Novel Nanofluids Based on Magnetite Nanoclusters and Investigation on Their Cluster Size-Dependent Thermal Conductivity. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 6918-6929   | 3.8   | 21        |
| 12 | Synthesis, Characterization, Thermal Conductivity and Rheological Studies in Magnetite-Decorated Graphene Oxide Nanofluids. <i>Journal of Nanofluids</i> , <b>2018</b> , 7, 11-20  | 2.2   | 18        |
| 11 | A millifluidic study of cell-to-cell heterogeneity in growth-rate and cell-division capability in populations of isogenic cells of <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0118987                     | 3.7   | 38        |
| 10 | Role of Thermal Conductivity of Dispersed Nanoparticles on Heat Transfer Properties of Nanofluid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 980-988   | 3.9   | 51        |
| 9  | Thermal properties of nanofluids. <i>Advances in Colloid and Interface Science</i> , <b>2012</b> , 183-184, 30-45  | 14.3  | 182       |
| 8  | Tuning of Thermal Conductivity and Rheology of Nanofluids Using an External Stimulus. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20097-20104  | 3.8   | 117       |
| 7  | Influence of aggregation on thermal conductivity in stable and unstable nanofluids. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 153113  | 3.4   | 79        |
| 6  | Synthesis of Aqueous and Nonaqueous Iron Oxide Nanofluids and Study of Temperature Dependence on Thermal Conductivity and Viscosity. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18825-18833                           | 3.8   | 158       |
| 5  | Magnetically controllable nanofluid with tunable thermal conductivity and viscosity. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 133112   | 3.4   | 100       |

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|---|--|-----|-----|
| 4 | Role of microconvection induced by Brownian motion of nanoparticles in the enhanced thermal conductivity of stable nanofluids. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 223101 | 3-4 | 143 |
| 3 | Evidence for enhanced thermal conduction through percolating structures in nanofluids. <i>Nanotechnology</i> , <b>2008</b> , 19, 305706  | 3-4 | 194 |
| 2 | Nanofluid with tunable thermal properties. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 043108   | 3-4 | 178 |
| 1 | Enhancement of thermal conductivity in magnetite based nanofluid due to chainlike structures. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 203108                                  | 3-4 | 276 |