

# Mohsen Moazzami-Gudarzi

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,905  
citations

471509

17  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3017  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Anomalously low electrostatic bending stiffness of graphene oxide 2D membranes regulates their environmental fate in aquatic ecosystems. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1414-1424.   | 10.3 | 1         |
| 2  | Is the debate over grana stacking formation finally solved?. <i>Nature Plants</i> , 2021, 7, 277-278.   | 9.3  | 6         |
| 3  | Chlorosulfuric acid-assisted production of functional 2D materials. <i>Npj 2D Materials and Applications</i> , 2021, 5, .   | 7.9  | 3         |
| 4  | Self-consistent dielectric functions of materials: Toward accurate computation of Casimirâ€“van der Waals forces. <i>Science Advances</i> , 2021, 7, .  | 10.3 | 18        |
| 5  | Interactions between similar and dissimilar charged interfaces in the presence of multivalent anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9436-9448.   | 2.8  | 12        |
| 6  | Forces between different latex particles in aqueous electrolyte solutions measured with the colloidal probe technique. <i>Microscopy Research and Technique</i> , 2017, 80, 144-152.  | 2.2  | 4         |
| 7  | Interactions between charged particles with bathing multivalent counterions: experiments vs. dressed ion theory. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10069-10080.  | 2.8  | 17        |
| 8  | Comment on â€œColloidal stability of reduced graphene oxide materials prepared using different reducing agentsâ€“by Y. Qi, T. Xia, Y. Li, L. Duan and W. Chen, <i>Environ. Sci.: Nano</i> , 2016, <b>3</b> , 1062. <i>Environmental Science: Nano</i> , 2017, 4, 2418-2420. | 4.3  | 2         |
| 9  | Depletion and double layer forces acting between charged particles in solutions of like-charged polyelectrolytes and monovalent salts. <i>Soft Matter</i> , 2017, 13, 3284-3295.  | 2.7  | 19        |
| 10 | Lightweight flexible polyurethane/reduced ultralarge graphene oxide composite foams for electromagnetic interference shielding. <i>RSC Advances</i> , 2016, 6, 27517-27527.   | 3.6  | 79        |
| 11 | Colloidal Stability of Graphene Oxide: Aggregation in Two Dimensions. <i>Langmuir</i> , 2016, 32, 5058-5068.  | 3.5  | 152       |
| 12 | Interplay between Depletion and Double-Layer Forces Acting between Charged Particles in Solutions of Like-Charged Polyelectrolytes. <i>Physical Review Letters</i> , 2016, 117, 088001.   | 7.8  | 25        |
| 13 | Nanometer-ranged attraction induced by multivalent ions between similar and dissimilar surfaces probed using an atomic force microscope (AFM). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8739-8751.  | 2.8  | 15        |
| 14 | Long-ranged and soft interactions between charged colloidal particles induced by multivalent coions. <i>Soft Matter</i> , 2015, 11, 1562-1571.  | 2.7  | 31        |
| 15 | Forces between Negatively Charged Interfaces in the Presence of Cationic Multivalent Oligoamines Measured with the Atomic Force Microscope. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15482-15490.  | 3.1  | 37        |
| 16 | Intumescent flame retardant polyurethane/reduced graphene oxide composites with improved mechanical, thermal, and barrier properties. <i>Journal of Materials Science</i> , 2014, 49, 243-254.  | 3.7  | 121       |
| 17 | Graphene oxideâ€“induced polymerization and crystallization to produce highly conductive polyaniline/graphene oxide composite. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1545-1554.  | 2.3  | 65        |
| 18 | Spontaneous exfoliation of graphite oxide in polar aprotic solvents as the route to produce graphene oxide â€“ organic solvents liquid crystals. <i>Carbon</i> , 2013, 64, 403-415.   | 10.3 | 69        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Highly aligned, ultralarge-size reduced graphene oxide/polyurethane nanocomposites: Mechanical properties and moisture permeability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 49, 42-50. | 7.6  | 242       |
| 20 | Self-alignment and high electrical conductivity of ultralarge graphene oxide/polyurethane nanocomposites. <i>Journal of Materials Chemistry</i> , 2012, 22, 12709.  | 6.7  | 269       |
| 21 | Molecular level dispersion of graphene in polymer matrices using colloidal polymer and graphene. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 44-50.  | 9.4  | 48        |
| 22 | Self assembly of graphene oxide at the liquid/liquid interface: A new route to the fabrication of graphene based composites. <i>Soft Matter</i> , 2011, 7, 3432.  | 2.7  | 189       |
| 23 | Spontaneous Formation of Liquid Crystals in Ultralarge Graphene Oxide Dispersions. <i>Advanced Functional Materials</i> , 2011, 21, 2978-2988.  | 14.9 | 362       |
| 24 | Improved electrical and optical characteristics of transparent graphene thin films produced by acid and doping treatments. <i>Carbon</i> , 2011, 49, 2905-2916.   | 10.3 | 88        |
| 25 | Characteristics of polymers that stabilize colloids for the production of graphene from graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 63-69.   | 9.4  | 26        |
| 26 | Enhancement of Nanoclay Dispersion and Exfoliation in Epoxy Using Aminic Hardener Treated Clay. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1350-1357.  | 2.4  | 5         |