Mohsen Moazzami-Gudarzi

List of Publications by Year
in descending order

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26	1,905	471509	552781
papers	citations	17 h-index	26 g-index

26	26	26	3017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spontaneous Formation of Liquid Crystals in Ultralarge Graphene Oxide Dispersions. Advanced Functional Materials, 2011, 21, 2978-2988.	14.9	362
2	Self-alignment and high electrical conductivity of ultralarge graphene oxideâ€“polyurethane nanocomposites. Journal of Materials Chemistry, 2012, 22, 12709.	6.7	269
3	Highly aligned, ultralarge-size reduced graphene oxide/polyurethane nanocomposites: Mechanical properties and moisture permeability. Composites Part A: Applied Science and Manufacturing, 2013, 49, 42-50.	7.6	242
4	Self assembly of graphene oxide at the liquidâ€“liquid interface: A new route to the fabrication of graphene based composites. Soft Matter, 2011, 7, 3432.	2.7	189
5	Colloidal Stability of Graphene Oxide: Aggregation in Two Dimensions. Langmuir, 2016, 32, 5058-5068.	3.5	152
6	Intumescent flame retardant polyurethane/reduced graphene oxide composites with improved mechanical, thermal, and barrier properties. Journal of Materials Science, 2014, 49, 243-254.	3.7	121
7	Improved electrical and optical characteristics of transparent graphene thin films produced by acid and doping treatments. Carbon, 2011, 49, 2905-2916.	10.3	88
8	Lightweight flexible polyurethane/reduced ultralarge graphene oxide composite foams for electromagnetic interference shielding. RSC Advances, 2016, 6, 27517-27527.	3.6	79
9	Spontaneous exfoliation of graphite oxide in polar aprotic solvents as the route to produce graphene oxide â€“ organic solvents liquid crystals. Carbon, 2013, 64, 403-415.	10.3	69
10	Graphene oxideâ€induced polymerization and crystallization to produce highly conductive polyaniline/graphene oxide composite. Journal of Polymer Science Part A, 2014, 52, 1545-1554.	2.3	65
11	Molecular level dispersion of graphene in polymer matrices using colloidal polymer and graphene. Journal of Colloid and Interface Science, 2012, 366, 44-50.	9.4	48
12	Forces between Negatively Charged Interfaces in the Presence of Cationic Multivalent Oligoamines Measured with the Atomic Force Microscope. Journal of Physical Chemistry C, 2015, 119, 15482-15490.	3.1	37
13	Long-ranged and soft interactions between charged colloidal particles induced by multivalent coions. Soft Matter, 2015, 11, 1562-1571.	2.7	31
14	Characteristics of polymers that stabilize colloids for the production of graphene from graphene oxide. Journal of Colloid and Interface Science, 2010, 349, 63-69.	9.4	26
15	Interplay between Depletion and Double-Layer Forces Acting between Charged Particles in Solutions of Like-Charged Polyelectrolytes. Physical Review Letters, 2016, 117, 088001.	7.8	25
16	Depletion and double layer forces acting between charged particles in solutions of like-charged polyelectrolytes and monovalent salts. Soft Matter, 2017, 13, 3284-3295.	2.7	19
17	Self-consistent dielectric functions of materials: Toward accurate computation of Casimirâ€“van der Waals forces. Science Advances, 2021, 7, .	10.3	18
18	Interactions between charged particles with bathing multivalent counterions: experiments vs. dressed ion theory. Physical Chemistry Chemical Physics, 2017, 19, 10069-10080.	2.8	17

#	Article	IF	Citations
19	Nanometer-ranged attraction induced by multivalent ions between similar and dissimilar surfaces probed using an atomic force microscope (AFM). Physical Chemistry Chemical Physics, 2016, 18, 8739-8751.	2.8	15
20	Interactions between similar and dissimilar charged interfaces in the presence of multivalent anions. Physical Chemistry Chemical Physics, 2018, 20, 9436-9448.	2.8	12
21	Is the debate over grana stacking formation finally solved?. Nature Plants, 2021, 7, 277-278.	9.3	6
22	Enhancement of Nanoclay Dispersion and Exfoliation in Epoxy Using Aminic Hardener Treated Clay. Journal of Dispersion Science and Technology, 2010, 31, 1350-1357.	2.4	5
23	Forces between different latex particles in aqueous electrolyte solutions measured with the colloidal probe technique. Microscopy Research and Technique, 2017, 80, 144-152.	2.2	4
24	Chlorosulfuric acid-assisted production of functional 2D materials. Npj 2D Materials and Applications, 2021, 5, .	7.9	3
25	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, Environ. Sci.: Nano, 2016, 3, 1062. Environmental Science: Nano, 2017, 4, 2418-2420.	4.3	2
26	Anomalously low electrostatic bending stiffness of graphene oxide 2D membranes regulates their environmental fate in aquatic ecosystems. Journal of Materials Chemistry A, 2022, 10, 1414-1424.	10.3	1