

M Mar Bernal

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
papers

1,010
citations

16
h-index

21
g-index

21
ext. papers

1,116
ext. citations

5.3
avg, IF

4.17
L-index

#	Paper	IF	Citations
21	Bispyrene Functionalization Drives Self-Assembly of Graphite Nanoplates into Highly Efficient Heat Spreader Foils. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15509-15517	9.5	3
20	Stronger aramids through molecular design and nanoprocessing. <i>Polymer Chemistry</i> , 2020 , 11, 1489-1495	4.9	1
19	Stereocomplexation of Poly(Lactic Acid)s on Graphite Nanoplatelets: From Functionalized Nanoparticles to Self-assembled Nanostructures. <i>Frontiers in Chemistry</i> , 2019 , 7, 176	5	5
18	Thermal bridging of graphene nanosheets via covalent molecular junctions: A non-equilibrium Green's functions density functional tight-binding study. <i>Nano Research</i> , 2019 , 12, 791-799	10	19
17	Effect of graphene content on the restoration of mechanical, electrical and thermal functionalities of a self-healing natural rubber. <i>Smart Materials and Structures</i> , 2017 , 26, 085010	3.4	19
16	Thermally and Electrically Conductive Nanopapers from Reduced Graphene Oxide: Effect of Nanoflakes Thermal Annealing on the Film Structure and Properties. <i>Nanomaterials</i> , 2017 , 7,	5.4	17
15	Threading through Macrocycles Enhances the Performance of Carbon Nanotubes as Polymer Fillers. <i>ACS Nano</i> , 2016 , 10, 8012-8	16.7	23
14	Inherent predominance of high chiral angle metallic carbon nanotubes in continuous fibers grown from a molten catalyst. <i>Nanoscale</i> , 2016 , 8, 4236-44	7.7	24
13	Luminescent transition metal dichalcogenide nanosheets through one-step liquid phase exfoliation. <i>2D Materials</i> , 2016 , 3, 035014	5.9	32
12	One-pot exfoliation of graphite and synthesis of nanographene/dimesitylporphyrin hybrids. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 10704-14	6.3	17
11	Optimization and Insights into the Mechanism of Formation of Mechanically Interlocked Derivatives of Single-Walled Carbon Nanotubes. <i>ChemPlusChem</i> , 2015 , 80, 1153-1157	2.8	17
10	Influence of carbon nanoparticles on the polymerization and EMI shielding properties of PU nanocomposite foams. <i>RSC Advances</i> , 2014 , 4, 7911	3.7	53
9	Effect of carbon nanofillers on flexible polyurethane foaming from a chemical and physical perspective. <i>RSC Advances</i> , 2014 , 4, 20761	3.7	17
8	Semiconductive bionanocomposites of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and MWCNTs for neural growth applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 349-360	2.6	3
7	Effect of hard segment content and carbon-based nanostructures on the kinetics of flexible polyurethane nanocomposite foams. <i>Polymer</i> , 2012 , 53, 4025-4032	3.9	20
6	Comparing the effect of carbon-based nanofillers on the physical properties of flexible polyurethane foams. <i>Journal of Materials Science</i> , 2012 , 47, 5673-5679	4.3	47
5	Reactive Nanocomposite Foams. <i>Frontiers in Forests and Global Change</i> , 2011 , 30, 45-62	1.6	17

4	Modification of carbon nanotubes with well-controlled fluorescent styrene-based polymers using the Diels-Alder reaction. <i>Polymer</i> , 2011 , 52, 5739-5745	3.9	12
3	Graphene filled polymer nanocomposites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3301-3310		596
2	In situ Foaming Evolution of Flexible Polyurethane Foam Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 971-979	2.6	42
1	Fluid dynamics of evolving foams. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 10860-6	3.6	26