

# Cristina Valles

## List of Publications by Citations

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45  
papers

2,637  
citations

26  
h-index

47  
g-index

47  
ext. papers

2,969  
ext. citations

6.2  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
45	Solutions of negatively charged graphene sheets and ribbons. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15802-4	16.4	410
44	Flexible conductive graphene paper obtained by direct and gentle annealing of graphene oxide paper. <i>Carbon</i> , <b>2012</b> , 50, 835-844	10.4	182
43	Electrical percolation in graphene-polymer composites. <i>2D Materials</i> , <b>2018</b> , 5, 032003	5.9	181
42	Deoxygenation of Graphene Oxide: Reduction or Cleaning?. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3580-3588	9.6	172
41	The mechanics of reinforcement of polymers by graphene nanoplatelets. <i>Composites Science and Technology</i> , <b>2018</b> , 154, 110-116	8.6	152
40	Graphene-based potentiometric biosensor for the immediate detection of living bacteria. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 553-7	11.8	117
39	Ultraflexible and robust graphene supercapacitors printed on textiles for wearable electronics applications. <i>2D Materials</i> , <b>2017</b> , 4, 035016	5.9	115
38	Effect of the orientation of graphene-based nanoplatelets upon the Young's modulus of nanocomposites. <i>Composites Science and Technology</i> , <b>2016</b> , 123, 125-133	8.6	107
37	Identifying the fluorescence of graphene oxide. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 338-342	7.1	102
36	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 10468-10474	3.8	97
35	Alkali reduction of graphene oxide in molten halide salts: production of corrugated graphene derivatives for high-performance supercapacitors. <i>ACS Nano</i> , <b>2014</b> , 8, 11225-33	16.7	96
34	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 22570-22578	3.8	85
33	Graphene solutions. <i>Chemical Communications</i> , <b>2011</b> , 47, 5470-2	5.8	73
32	The rheological behaviour of concentrated dispersions of graphene oxide. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6311-6320	4.3	68
31	Graphene oxide and base-washed graphene oxide as reinforcements in PMMA nanocomposites. <i>Composites Science and Technology</i> , <b>2013</b> , 88, 158-164	8.6	63
30	Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. <i>Macromolecules</i> , <b>2006</b> , 39, 7324-7332	5.5	57
29	The effect of flake diameter on the reinforcement of few-layer graphene/PMMA composites. <i>Composites Science and Technology</i> , <b>2015</b> , 111, 17-22	8.6	51

28	Effect of the C/O ratio in graphene oxide materials on the reinforcement of epoxy-based nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 281-291	2.6	37
27	Few layer graphene-polypropylene nanocomposites: the role of flake diameter. <i>Faraday Discussions</i> , <b>2014</b> , 173, 379-90	3.6	36
26	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. <i>Nanotechnology</i> , <b>2005</b> , 16, S224-S229	3.4	35
25	Hybrid poly(ether ether ketone) composites reinforced with a combination of carbon fibres and graphene nanoplatelets. <i>Composites Science and Technology</i> , <b>2019</b> , 175, 60-68	8.6	33
24	Electrically conductive GNP/epoxy composites for out-of-autoclave thermoset curing through Joule heating. <i>Composites Science and Technology</i> , <b>2018</b> , 164, 304-312	8.6	33
23	Mixed P $\eta$ and As $\eta$ Bis-Ylide Palladium Complexes: Cooperative Intramolecular Interactions, Conformational Preferences, and C $\eta$ Bond Activations <i>Organometallics</i> , <b>2006</b> , 25, 4653-4664	3.8	31
22	Excess Enthalpy, Density, Viscosity, and Speed of Sound for the Mixture Tetrahydropyran + 1-Butanol at (283.15, 298.15, and 313.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1460-1464	2.8	31
21	PMMA-grafted graphene nanoplatelets to reinforce the mechanical and thermal properties of PMMA composites. <i>Carbon</i> , <b>2020</b> , 157, 750-760	10.4	30
20	Towards helical and Y-shaped carbon nanotubes: the role of sulfur in CVD processes. <i>Nanotechnology</i> , <b>2006</b> , 17, 4292-4299	3.4	27
19	Insights into crystallization and melting of high density polyethylene/graphene nanocomposites studied by fast scanning calorimetry. <i>Polymer Testing</i> , <b>2018</b> , 67, 349-358	4.5	24
18	Graphene/Polyelectrolyte Layer-by-Layer Coatings for Electromagnetic Interference Shielding. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5272-5281	5.6	23
17	Quantifying effects of graphene nanoplatelets on slowing down combustion of epoxy composites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 146, 76-87	10	22
16	Effects of partial and total methane flows on the yield and structural characteristics of MWCNTs produced by CVD. <i>Carbon</i> , <b>2009</b> , 47, 998-1004	10.4	22
15	Dissolution and alkylation of industrially produced multi-walled carbon nanotubes. <i>Carbon</i> , <b>2011</b> , 49, 170-175	10.4	18
14	Excess Enthalpy, Density, Speed of Sound, and Viscosity for 2-Methyltetrahydrofuran + 1-Butanol at (283.15, 298.15, and, 313.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1105-1109	2.8	18
13	Tailorable Synthesis of Highly Oxidized Graphene Oxides via an Environmentally-Friendly Electrochemical Process. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	16
12	Ni $\eta$ /Mo catalyst for the large-scale CVD production of multi-wall carbon nanotubes. <i>Carbon</i> , <b>2005</b> , 43, 3034-3037	10.4	14
11	Influence of surfactants of different nature and chain length on the morphology, thermal stability and sheet resistance of graphene. <i>Soft Matter</i> , <b>2018</b> , 14, 6013-6023	3.6	13

10	Effect of ionising radiation on the mechanical and structural properties of 3D printed plastics. <i>Additive Manufacturing</i> , <b>2020</b> , 31, 100907	6.1	11
9	CVD production of double-wall and triple-wall carbon nanotubes. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 1087-1090	3.5	9
8	Dispersal of pristine graphene for biological studies. <i>RSC Advances</i> , <b>2016</b> , 6, 69551-69559	3.7	8
7	On the biocompatibility of graphene oxide towards vascular smooth muscle cells. <i>Nanotechnology</i> , <b>2021</b> , 32, 055101	3.4	6
6	Rheology of Graphene Oxide Dispersions <b>2016</b> , 121-146		5
5	Processing route to disentangle multi-walled carbon nanotube towards ceramic composite. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6164-70	1.3	3
4	Graphene: 2D-Building Block for Functional Nanocomposites. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2011</b> , 143-148	0.2	2
3	High-Power Energy Storage from Carbon Electrodes Using Highly Acidic Electrolytes. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 20701-20711	3.8	1
2	Review: Progress in the Studies on Mechanical Properties of Materials. <i>Strength of Materials</i> , <b>2014</b> , 46, 160-163	0.6	
1	Review: Frontiers of materials science and engineering. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S2-1-S214		