Cristina Valles

List of Publications by Year in Descending Order

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	On the biocompatibility of graphene oxide towards vascular smooth muscle cells. *Nanotechnology*, **2021**, 32, 055101	3.4	6
44	Tailorable Synthesis of Highly Oxidized Graphene Oxides via an Environmentally-Friendly Electrochemical Process. *Nanomaterials*, **2020**, 10,	5.4	16
43	PMMA-grafted graphene nanoplatelets to reinforce the mechanical and thermal properties of PMMA composites. *Carbon*, **2020**, 157, 750-760	10.4	30
42	Effect of ionising radiation on the mechanical and structural properties of 3D printed plastics. *Additive Manufacturing*, **2020**, 31, 100907	6.1	11
41	High-Power Energy Storage from Carbon Electrodes Using Highly Acidic Electrolytes. *Journal of Physical Chemistry C*, **2020**, 124, 20701-20711	3.8	1
40	Hybrid poly(ether ether ketone) composites reinforced with a combination of carbon fibres and graphene nanoplatelets. *Composites Science and Technology*, **2019**, 175, 60-68	8.6	33
39	Graphene/Polyelectrolyte Layer-by-Layer Coatings for Electromagnetic Interference Shielding. *ACS Applied Nano Materials*, **2019**, 2, 5272-5281	5.6	23
38	Quantifying effects of graphene nanoplatelets on slowing down combustion of epoxy composites. *Composites Part B: Engineering*, **2018**, 146, 76-87	10	22
37	Electrical percolation in graphene–polymer composites. *2D Materials*, **2018**, 5, 032003	5.9	181
36	Insights into crystallization and melting of high density polyethylene/graphene nanocomposites studied by fast scanning calorimetry. *Polymer Testing*, **2018**, 67, 349-358	4.5	24
35	The mechanics of reinforcement of polymers by graphene nanoplatelets. *Composites Science and Technology*, **2018**, 154, 110-116	8.6	152
34	Influence of surfactants of different nature and chain length on the morphology, thermal stability and sheet resistance of graphene. *Soft Matter*, **2018**, 14, 6013-6023	3.6	13
33	Electrically conductive GNP/epoxy composites for out-of-autoclave thermoset curing through Joule heating. *Composites Science and Technology*, **2018**, 164, 304-312	8.6	33
32	Ultraflexible and robust graphene supercapacitors printed on textiles for wearable electronics applications. *2D Materials*, **2017**, 4, 035016	5.9	115
31	Dispersal of pristine graphene for biological studies. *RSC Advances*, **2016**, 6, 69551-69559	3.7	8
30	Effect of the C/O ratio in graphene oxide materials on the reinforcement of epoxy-based nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 281-291	2.6	37
29	Effect of the orientation of graphene-based nanoplatelets upon the Young's modulus of nanocomposites. *Composites Science and Technology*, **2016**, 123, 125-133	8.6	107

28	Rheology of Graphene Oxide Dispersions **2016**, 121-146		5
27	The effect of flake diameter on the reinforcement of few-layer graphene/PMMA composites. *Composites Science and Technology*, **2015**, 111, 17-22	8.6	51
26	Few layer graphene-polypropylene nanocomposites: the role of flake diameter. *Faraday Discussions* , **2014**, 173, 379-90	3.6	36
25	Alkali reduction of graphene oxide in molten halide salts: production of corrugated graphene derivatives for high-performance supercapacitors. *ACS Nano*, **2014**, 8, 11225-33	16.7	96
24	The rheological behaviour of concentrated dispersions of graphene oxide. *Journal of Materials Science*, **2014**, 49, 6311-6320	4.3	68
23	Review: Progress in the Studies on Mechanical Properties of Materials. *Strength of Materials*, **2014**, 46, 160-163	0.6	
22	Graphene-based potentiometric biosensor for the immediate detection of living bacteria. *Biosensors and Bioelectronics*, **2014**, 54, 553-7	11.8	117
21	Review: Frontiers of materials science and engineering. *Materials Research Innovations*, **2014**, 18, S2-1-S2-4	1.9	
20	Deoxygenation of Graphene Oxide: Reduction or Cleaning?. *Chemistry of Materials*, **2013**, 25, 3580-3588	9.6	172
19	Graphene oxide and base-washed graphene oxide as reinforcements in PMMA nanocomposites. *Composites Science and Technology*, **2013**, 88, 158-164	8.6	63
18	Identifying the fluorescence of graphene oxide. *Journal of Materials Chemistry C*, **2013**, 1, 338-342	7.1	102
17	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. *Journal of Physical Chemistry C*, **2012**, 116, 22570-22578	3.8	85
16	Flexible conductive graphene paper obtained by direct and gentle annealing of graphene oxide paper. *Carbon*, **2012**, 50, 835-844	10.4	182
15	Graphene solutions. *Chemical Communications*, **2011**, 47, 5470-2	5.8	73
14	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. *Journal of Physical Chemistry C*, **2011**, 115, 10468-10474	3.8	97
13	Dissolution and alkylation of industrially produced multi-walled carbon nanotubes. *Carbon*, **2011**, 49, 170-175	10.4	18
12	Graphene: 2D-Building Block for Functional Nanocomposites. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2011**, 143-148	0.2	2
11	Processing route to disentangle multi-walled carbon nanotube towards ceramic composite. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 6164-70	1.3	3

10	Effects of partial and total methane flows on the yield and structural characteristics of MWCNTs produced by CVD. *Carbon*, **2009**, 47, 998-1004	10.4	22
9	Solutions of negatively charged graphene sheets and ribbons. *Journal of the American Chemical Society*, **2008**, 130, 15802-4	16.4	410
8	CVD production of double-wall and triple-wall carbon nanotubes. *Diamond and Related Materials*, **2007**, 16, 1087-1090	3.5	9
7	Excess Enthalpy, Density, Speed of Sound, and Viscosity for 2-Methyltetrahydrofuran + 1-Butanol at (283.15, 298.15, and, 313.15) K. *Journal of Chemical & Engineering Data*, **2006**, 51, 1105-1109	2.8	18
6	Towards helical and Y-shaped carbon nanotubes: the role of sulfur in CVD processes. *Nanotechnology*, **2006**, 17, 4292-4299	3.4	27
5	Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. *Macromolecules*, **2006**, 39, 7324-7332	5.5	57
4	Mixed P□N and As□N Bis-Ylide Palladium Complexes: Cooperative Intramolecular Interactions, Conformational Preferences, and C□H Bond Activations□*Organometallics*, **2006**, 25, 4653-4664	3.8	31
3	Ni□/Mo catalyst for the large-scale CVD production of multi-wall carbon nanotubes. *Carbon*, **2005**, 43, 3034-3037	10.4	14
2	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. *Nanotechnology*, **2005**, 16, S224-S229	3.4	35
1	Excess Enthalpy, Density, Viscosity, and Speed of Sound for the Mixture Tetrahydropyran + 1-Butanol at (283.15, 298.15, and 313.15) K. *Journal of Chemical & Engineering Data*, **2004**, 49, 1460-1464	2.8	31