Stefania Sandoval

List of Publications by Year
in descending order

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59 papers	1,967 citations	218381 26 h-index	253896 43 g-index
59 all docs	59 docs citations	59 times ranked	2778 citing authors

#	Article	IF	Citations
1	Radiolabeled Cobaltabis(dicarbollide) Anionâ€“Graphene Oxide Nanocomposites for In Vivo Bioimaging and Boron Delivery. ACS Applied Nano Materials, 2021, 4, 1613-1625.	2.4	17
2	Encapsulation of Fullerenes: A Versatile Approach for the Confinement and Release of Materials Within Open-Ended Multiwalled Carbon Nanotubes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 644793.	2.0	1
3	Ultrafast Interface Charge Separation in Carbon Nanodotâ€“Nanotube Hybrids. ACS Applied Materials & Interfaces, 2021, 13, 49232-49241.	4.0	5
4	Functionalization of filled radioactive multi-walled carbon nanocapsules by arylation reaction for in vivo delivery of radio-therapy. Journal of Materials Chemistry B, 2021, 10, 47-56.	2.9	6
5	The Role of Temperature on the Degree of End-Closing and Filling of Single-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 3365.	1.9	3
6	Bacterial cellulose/graphene oxide aerogels with enhanced dimensional and thermal stability. Carbohydrate Polymers, 2020, 230, 115598.	5.1	50
7	Neutron Activated ¹⁵³Sm Sealed in Carbon Nanocapsules for in Vivo Imaging and Tumor Radiotherapy. ACS Nano, 2020, 14, 129-141.	7.3	37
8	Tuning the Nature of N-Based Groups From N-Containing Reduced Graphene Oxide: Enhanced Thermal Stability Using Post-Synthesis Treatments. Nanomaterials, 2020, 10, 1451.	1.9	9
9	Green and Solvent-Free Supercritical CO₂-Assisted Production of Superparamagnetic Graphene Oxide Aerogels: Application as a Superior Contrast Agent in MRI. ACS Sustainable Chemistry and Engineering, 2020, 8, 4877-4888.	3.2	11
10	Nitro-graphene oxide in iridium oxide hybrids: electrochemical modulation of N-graphene redox states and charge capacities. Materials Chemistry Frontiers, 2020, 4, 1421-1433.	3.2	9
11	Neutron-irradiated antibody-functionalised carbon nanocapsules for targeted cancer radiotherapy. Carbon, 2020, 162, 410-422.	5.4	18
12	Particle size determination from magnetization curves in reduced graphene oxide decorated with monodispersed superparamagnetic iron oxide nanoparticles. Journal of Colloid and Interface Science, 2020, 566, 107-119.	5.0	18
13	Thermochemistry of nitrogen-doped reduced graphene oxides. Journal of the European Ceramic Society, 2020, 40, 6322-6327.	2.8	6
14	Charge transfer in steam purified arc discharge single walled carbon nanotubes filled with lutetium halides. Physical Chemistry Chemical Physics, 2020, 22, 10063-10075.	1.3	7
15	In vivo behaviour of glyco-NaI@SWCNT â€˜nanobottlesâ€™. Inorganica Chimica Acta, 2019, 495, 118933.	1.2	10
16	Solvent-free functionalisation of graphene oxide with amide and amine groups at room temperature. Chemical Communications, 2019, 55, 12196-12199.	2.2	14
17	Microwave-Assisted Synthesis of SPION-Reduced Graphene Oxide Hybrids for Magnetic Resonance Imaging (MRI). Nanomaterials, 2019, 9, 1364.	1.9	20
18	Structure of inorganic nanocrystals confined within carbon nanotubes. Inorganica Chimica Acta, 2019, 492, 66-75.	1.2	16

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19	Non-cytotoxic carbon nanocapsules synthesized via one-pot filling and end-closing of multi-walled carbon nanotubes. Carbon, 2019, 141, 782-793.	5.4	16
20	Synergistic Exploitation of the Superoxide Scavenger Properties of Reduced Graphene Oxide and a Trityl Organic Radical for the Impedimetric Sensing of Xanthine. Advanced Materials Interfaces, 2018, 5, 1701072.	1.9	8
21	Determination of the length of single-walled carbon nanotubes by scanning electron microscopy. MethodsX, 2018, 5, 1465-1472.	0.7	9
22	Selective Laser-Assisted Synthesis of Tubular van der Waals Heterostructures of Single-Layered PbI₂ within Carbon Nanotubes Exhibiting Carrier Photogeneration. ACS Nano, 2018, 12, 6648-6656.	7.3	24
23	Epoxidation of Carbon Nanocapsules: Decoration of Single-Walled Carbon Nanotubes Filled with Metal Halides. Nanomaterials, 2018, 8, 137.	1.9	8
24	Preparation and Characterization of Graphene Oxide Aerogels: Exploring the Limits of Supercritical CO₂ Fabrication Methods. Chemistry - A European Journal, 2018, 24, 15903-15911.	1.7	15
25	Comparative study of shortening and cutting strategies of single-walled and multi-walled carbon nanotubes assessed byÂscanning electron microscopy. Carbon, 2018, 139, 922-932.	5.4	34
26	Exploring different doping mechanisms in thermoelectric polymer/carbon nanotube composites. Synthetic Metals, 2017, 225, 70-75.	2.1	32
27	Filling Single-Walled Carbon Nanotubes with Lutetium Chloride: A Sustainable Production of Nanocapsules Free of Nonencapsulated Material. ACS Sustainable Chemistry and Engineering, 2017, 5, 2501-2508.	3.2	17
28	Nanosecond Laserâ€Assisted Nitrogen Doping of Graphene Oxide Dispersions. ChemPhysChem, 2017, 18, 935-941.	1.0	17
29	Novel Fe₃O₄@GNF@SiO₂ nanocapsules fabricated through the combination of an in situ formation method and SiO₂ coating process for magnetic resonance imaging. RSC Advances, 2017, 7, 24690-24697.	1.7	8
30	Encapsulation of two-dimensional materials inside carbon nanotubes: Towards an enhanced synthesis of single-layered metal halides. Carbon, 2017, 123, 129-134.	5.4	21
31	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. Nature Communications, 2016, 7, 13118.	5.8	39
32	Highly Dispersible and Stable Anionic Boron Clusterâ€“Graphene Oxide Nanohybrids. Chemistry - A European Journal, 2016, 22, 5096-5101.	1.7	18
33	Effect of Steamâ€Treatment Time on the Length and Structure of Singleâ€Walled and Doubleâ€Walled Carbon Nanotubes. ChemNanoMat, 2016, 2, 108-116.	1.5	11
34	The Shortening of MWNT-SPION Hybrids by Steam Treatment Improves Their Magnetic Resonance Imaging Properties In Vitro and In Vivo. Small, 2016, 12, 2893-2905.	5.2	21
35	Design of antibody-functionalized carbon nanotubes filled with radioactivable metals towards a targeted anticancer therapy. Nanoscale, 2016, 8, 12626-12638.	2.8	28
36	Tuning the nature of nitrogen atoms in N-containing reduced graphene oxide. Carbon, 2016, 96, 594-602.	5.4	63

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37	Quantitative monitoring of the removal of non-encapsulated material external to filled carbon nanotube samples. Physical Chemistry Chemical Physics, 2015, 17, 31662-31669.	1.3	12
38	The role of steam treatment on the structure, purity and length distribution of multi-walled carbon nanotubes. Carbon, 2015, 93, 1059-1067.	5.4	30
39	Filled carbon nanotubes in biomedical imaging and drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 563-581.	2.4	114
40	Enhanced Charge Capacity in Iridium Oxide-Graphene Oxide Hybrids. Electrochimica Acta, 2015, 157, 369-377.	2.6	29
41	Ultraviolet pulsed laser irradiation of multi-walled carbon nanotubes in nitrogen atmosphere. Journal of Applied Physics, 2014, 115, 093501.	1.1	27
42	Enhanced Thermal Oxidation Stability of Reduced Graphene Oxide by Nitrogen Doping. Chemistry - A European Journal, 2014, 20, 11999-12003.	1.7	66
43	Synthesis of PbI₂ Singleâ€Layered Inorganic Nanotubes Encapsulated Within Carbon Nanotubes. Advanced Materials, 2014, 26, 2016-2021.	11.1	52
44	Magnetically Decorated Multiwalled Carbon Nanotubes as Dual MRI and SPECT Contrast Agents. Advanced Functional Materials, 2014, 24, 1880-1894.	7.8	72
45	Deposition of functionalized single wall carbon nanotubes through matrix assisted pulsed laser evaporation. Carbon, 2012, 50, 4450-4458.	5.4	36
46	Sidewall functionalisation of carbon nanotubes by addition of diarylcarbene derivatives. Journal of Materials Chemistry, 2011, 21, 19080.	6.7	21
47	pH-triggered release of materials from single-walled carbon nanotubes using dimethylamino-functionalized fullerenes as removable â€œcorksâ€. Carbon, 2010, 48, 1912-1917.	5.4	38
48	Carbon nanocapsules: blocking materials inside carbon nanotubes. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2739-2742.	0.8	11
49	Filled and glycosylated carbon nanotubes for in vivo radioemitter localization and imaging. Nature Materials, 2010, 9, 485-490.	13.3	267
50	Electron transport behavior of individual zinc oxide coated single-walled carbon nanotubes. Nanotechnology, 2009, 20, 105703.	1.3	28
51	Enhanced Sidewall Functionalization of Single-Wall Carbon Nanotubes Using Nitric Acid. Journal of Nanoscience and Nanotechnology, 2009, 9, 6072-6077.	0.9	11
52	Coreâ€“Shell PbI₂@WS₂ Inorganic Nanotubes from Capillary Wetting. Angewandte Chemie - International Edition, 2009, 48, 1230-1233.	7.2	56
53	Quantitative Assessment of the Amount of Material Encapsulated in Filled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 2653-2656.	1.5	27
54	Steam Purification for the Removal of Graphitic Shells Coating Catalytic Particles and the Shortening of Singleâ€Walled Carbon Nanotubes. Small, 2008, 4, 1501-1506.	5.2	76

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55	A simple method for the containment and purification of filled open-ended single wall carbon nanotubes using C60 molecules. Chemical Communications, 2008, , 2164.	2.2	47
56	Removal of amorphous carbon for the efficient sidewall functionalisation of single-walled carbon nanotubes. Chemical Communications, 2007, , 5090.	2.2	108
57	Atomic-Scale Detection of Organic Molecules Coupled to Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 10966-10967.	6.6	63
58	Purification and Opening of Carbon Nanotubes Using Steam. Journal of Physical Chemistry B, 2006, 110, 22318-22322.	1.2	99
59	Reversible filling of single walled carbon nanotubes opened by alkali hydroxides. Carbon, 2006, 44, 2855-2858.	5.4	31