Elzbieta Pach

List of Publications by Year
in descending order

32 papers	1,303 citations	471509 17 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	2593 citing authors

#	Article	IF	Citations
1	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.	5.8	6
2	Freezing efficiency of feldspars is affected by their history of previous freezeâ€“thaw events. Physical Chemistry Chemical Physics, 2021, 23, 24905-24914.	2.8	3
3	The Role of Temperature on the Degree of End-Closing and Filling of Single-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 3365.	4.1	3
4	Neutron Activated ¹⁵³Sm Sealed in Carbon Nanocapsules for in Vivo Imaging and Tumor Radiotherapy. ACS Nano, 2020, 14, 129-141.	14.6	37
5	Neutron-irradiated antibody-functionalised carbon nanocapsules for targeted cancer radiotherapy. Carbon, 2020, 162, 410-422.	10.3	18
6	Charge transfer in steam purified arc discharge single walled carbon nanotubes filled with lutetium halides. Physical Chemistry Chemical Physics, 2020, 22, 10063-10075.	2.8	7
7	Pores Dominate Ice Nucleation on Feldspars. Journal of Physical Chemistry C, 2019, 123, 20998-21004.	3.1	27
8	In vivo behaviour of glyco-NaI@SWCNT â€˜nanobottlesâ€™. Inorganica Chimica Acta, 2019, 495, 118933.	2.4	10
9	Surface charged species and electrochemistry of ferroelectric thin films. Nanoscale, 2019, 11, 17920-17930.	5.6	48
10	Water adsorption, dissociation and oxidation on SrTiO₃ and ferroelectric surfaces revealed by ambient pressure X-ray photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 4920-4930.	2.8	43
11	Non-cytotoxic carbon nanocapsules synthesized via one-pot filling and end-closing of multi-walled carbon nanotubes. Carbon, 2019, 141, 782-793.	10.3	16
12	Determination of the length of single-walled carbon nanotubes by scanning electron microscopy. MethodsX, 2018, 5, 1465-1472.	1.6	9
13	Comparative study of shortening and cutting strategies of single-walled and multi-walled carbon nanotubes assessed byÂscanning electron microscopy. Carbon, 2018, 139, 922-932.	10.3	34
14	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.	6.7	17
15	Evaluation of the immunological profile of antibody-functionalized metal-filled single-walled carbon nanocapsules for targeted radiotherapy. Scientific Reports, 2017, 7, 42605.	3.3	11
16	Inductively coupled remote plasma-enhanced chemical vapor deposition (rPE-CVD) as a versatile route for the deposition of graphene micro- and nanostructures. Carbon, 2017, 117, 331-342.	10.3	17
17	Encapsulation of two-dimensional materials inside carbon nanotubes: Towards an enhanced synthesis of single-layered metal halides. Carbon, 2017, 123, 129-134.	10.3	21
18	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. Nature Communications, 2016, 7, 13118.	12.8	39

#	Article	IF	Citations
19	Effect of Steamâ€Treatment Time on the Length and Structure of Singleâ€Walled and Doubleâ€Walled Carbon Nanotubes. ChemNanoMat, 2016, 2, 108-116.	2.8	11
20	Synthesis of dry SmCl3 from Sm2O3 revisited. Implications for the encapsulation of samarium compounds into carbon nanotubes. Polyhedron, 2016, 116, 116-121.	2.2	13
21	Design of antibody-functionalized carbon nanotubes filled with radioactivable metals towards a targeted anticancer therapy. Nanoscale, 2016, 8, 12626-12638.	5.6	28
22	Gadolinium-functionalised multi-walled carbon nanotubes as a T 1 contrast agent for MRI cell labelling and tracking. Carbon, 2016, 97, 126-133.	10.3	50
23	Quantitative monitoring of the removal of non-encapsulated material external to filled carbon nanotube samples. Physical Chemistry Chemical Physics, 2015, 17, 31662-31669.	2.8	12
24	The interaction of carbon nanotubes with an inÂvitro blood-brain barrier model and mouse brain inÂvivo. Biomaterials, 2015, 53, 437-452.	11.4	178
25	Developing soft X-ray spectroscopy for in situ characterization of nanocatalysts in catalytic reactions. Journal of Electron Spectroscopy and Related Phenomena, 2014, 197, 118-123.	1.7	8
26	Production of Water-Soluble Few-Layer Graphene Mesosheets by Dry Milling with Hydrophobic Drug. Langmuir, 2014, 30, 14999-15008.	3.5	10
27	Covalent Functionalization of Multiâ€walled Carbon Nanotubes with a Gadolinium Chelate for Efficient T₁â€Weighted Magnetic Resonance Imaging. Advanced Functional Materials, 2014, 24, 7173-7186.	14.9	31
28	Size-Dependent Dissociation of Carbon Monoxide on Cobalt Nanoparticles. Journal of the American Chemical Society, 2013, 135, 2273-2278.	13.7	195
29	Dealloying of Cobalt from CuCo Nanoparticles under Syngas Exposure. Journal of Physical Chemistry C, 2013, 117, 6259-6266.	3.1	74
30	A reaction cell with sample laser heating forin situsoft X-ray absorption spectroscopy studies under environmental conditions. Journal of Synchrotron Radiation, 2013, 20, 504-508.	2.4	23
31	Experimental and theoretical investigation of the electronic structure of Cu2O and CuO thin films on Cu(110) using x-ray photoelectron and absorption spectroscopy. Journal of Chemical Physics, 2013, 138, 024704.	3.0	219
32	Revealing Correlation of Valence State with Nanoporous Structure in Cobalt Catalyst Nanoparticles by In Situ Environmental TEM. ACS Nano, 2012, 6, 4241-4247.	14.6	84