

Raymond L D Whitby

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7013250/raymond-l-d-whitby-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

2,289
citations

24
h-index

47
g-index

63
ext. papers

2,430
ext. citations

6.1
avg, IF

4.84
L-index

#	Paper	IF	Citations
61	Effect of high-intensity sonication on the dispersion of carbon-based nanofilaments in cementitious composites, and its impact on mechanical performance. <i>Materials and Design</i> , 2017 , 136, 223-237	8.1	12
60	Carbon-cryogel hierarchical composites as effective and scalable filters for removal of trace organic pollutants from water. <i>Journal of Environmental Management</i> , 2016 , 182, 141-148	7.9	14
59	Repairing Peripheral Nerves: Is there a Role for Carbon Nanotubes?. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1253-71	10.1	38
58	Bacteriophage-nanocomposites: an easy and reproducible method for the construction, handling, storage and transport of conjugates for deployment of bacteriophages active against <i>Pseudomonas aeruginosa</i> . <i>Journal of Microbiological Methods</i> , 2015 , 111, 111-8	2.8	5
57	Low temperature synthesis of carbon fibres and metal-filling carbon nanoparticles with laser irradiation into near-critical benzene. <i>RSC Advances</i> , 2015 , 5, 12671-12677	3.7	3
56	Chemical control of graphene architecture: tailoring shape and properties. <i>ACS Nano</i> , 2014 , 8, 9733-54	16.7	89
55	Macro-scale complexity of nano- to micro-scale architecture of olivine crystals through an iodine vapour transport mechanism. <i>Bulletin of Materials Science</i> , 2014 , 37, 239-245	1.7	1
54	1D Nanomaterials 2013. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-2	3.2	
53	Cationic ring-opening polymerization of lactones onto chemically modified single layer graphene oxide. <i>Materials Express</i> , 2014 , 4, 242-246	1.3	2
52	Phenolic carbon tailored for the removal of polar organic contaminants from water: a solution to the metaldehyde problem?. <i>Water Research</i> , 2014 , 61, 46-56	12.5	36
51	Buckycolumn electrodes: a practical and improved alternative to conventional materials utilised for biological electrochemical monitoring. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4359-4363	7.3	3
50	Interactions of single and multi-layer graphene oxides with water, methane, organic solvents and HCl studied by ¹ H NMR. <i>Carbon</i> , 2013 , 57, 191-201	10.4	19
49	Single-Layer Graphenes Functionalized with Polyurea: Architectural Control and Biomolecule Reactivity. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11829-11836	3.8	7
48	The role of interfacial chemistry and interactions in the dynamics of thermosetting polyurethane/multiwalled carbon nanotube composites at low filler contents. <i>Colloid and Polymer Science</i> , 2013 , 291, 573-583	2.4	18
47	Nanomaterials and the Environment: Global impact of tiny materials 2013 , 1, 1-2		16
46	Applications of Activated Carbon Sorbents Based on Greek Walnut. <i>Applied Mechanics and Materials</i> , 2013 , 467, 49-51	0.3	6
45	In vitro biocompatibility of multiwalled carbon nanotubes with sensory neurons. <i>Advanced Healthcare Materials</i> , 2013 , 2, 728-35	10.1	22

44	Synthesis and application of hydride silica composites for rapid and facile removal of aqueous mercury. <i>ChemPhysChem</i> , 2013 , 14, 4126-33	3.2	6
43	1D Nanomaterials 2012. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-2	3.2	
42	High temperature oxidative resistance of polyacrylonitrile-methylmethacrylate copolymer powder converting to a carbonized monolith. <i>European Polymer Journal</i> , 2012 , 48, 97-104	5.2	50
41	Creation of spherical carbon nanoparticles and clusters from carbon dioxide via UV dissociation at the critical point. <i>Green Chemistry</i> , 2012 , 14, 1196	10	3
40	Driving forces of conformational changes in single-layer graphene oxide. <i>ACS Nano</i> , 2012 , 6, 3967-73	16.7	97
39	Creation of 3-dimensional carbon nanostructures from UV irradiation of carbon dioxide at room temperature. <i>Journal of Supercritical Fluids</i> , 2012 , 72, 1-6	4.2	
38	Hyperstoichiometric Interaction Between Silver and Mercury at the Nanoscale. <i>Angewandte Chemie</i> , 2012 , 124, 2686-2689	3.6	2
37	Hyperstoichiometric interaction between silver and mercury at the nanoscale. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2632-5	16.4	41
36	Exfoliated production of single- and multi-layer graphenes and carbon nanofibres from the carbonisation of a co-polymer. <i>Carbon</i> , 2012 , 50, 2018-2025	10.4	4
35	Microstructure changes of polyurethane by inclusion of chemically modified carbon nanotubes at low filler contents. <i>Composites Science and Technology</i> , 2012 , 72, 865-872	8.6	35
34	1D Nanomaterials 2011. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-2	3.2	1
33	pH-driven physicochemical conformational changes of single-layer graphene oxide. <i>Chemical Communications</i> , 2011 , 47, 9645-7	5.8	76
32	Deposition of C60, C70 and C84 fullerene molecules, in benzene via a change of the fluid state, from a gas-liquid two phase region to the critical point. <i>Journal of Supercritical Fluids</i> , 2011 , 58, 407-411	4.2	1
31	High efficiency removal of dissolved As(III) using iron nanoparticle-embedded macroporous polymer composites. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1002-8	12.8	80
30	Rapid assembly of carbon nanotube-based magnetic composites. <i>Materials Chemistry and Physics</i> , 2011 , 128, 514-518	4.4	14
29	Low temperature synthesis of iron containing carbon nanoparticles in critical carbon dioxide. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 53-58	2.3	12
28	Morphological effects of single-layer graphene oxide in the formation of covalently bonded polypyrrole composites using intermediate diisocyanate chemistry. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4829-4837	2.3	29
27	Vibration reduction ability of MWCNT PVAc composites measured under high frequency for acoustic device application. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4150		8

26	Morphological changes and covalent reactivity assessment of single-layer graphene oxides under carboxylic group-targeted chemistry. <i>Carbon</i> , 2011 , 49, 722-725	10.4	33
25	Morphological and chemical features of nano and macroscale carbons affecting hydrogen peroxide decomposition in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 129-36	9.3	31
24	1D Nanomaterials. <i>Journal of Nanomaterials</i> , 2010 , 2010, 1-3	3.2	3
23	Stimulation of neuronal neurite outgrowth using functionalized carbon nanotubes. <i>Nanotechnology</i> , 2010 , 21, 115101	3.4	59
22	Real-time imaging of complex nanoscale mechanical responses of carbon nanotubes in highly compressible porous monoliths. <i>Nanotechnology</i> , 2010 , 21, 75707	3.4	11
21	Low temperature synthesis of fibres composed of carbon Bickel nanoparticles in super-critical carbon dioxide. <i>Chemical Physics Letters</i> , 2010 , 493, 304-308	2.5	3
20	Mechanical performance of highly compressible multi-walled carbon nanotube columns with hyperboloid geometries. <i>Carbon</i> , 2010 , 48, 145-152	10.4	24
19	Direct confirmation that carbon nanotubes still react covalently after removal of acid-oxidative lattice fragments. <i>Carbon</i> , 2010 , 48, 916-918	10.4	25
18	Relating bulk resistivity to nanoscale mechanical responses of carbon nanotubes randomly orientated in monoliths under compression. <i>Carbon</i> , 2010 , 48, 3635-3637	10.4	27
17	The surface acidity of acid oxidised multi-walled carbon nanotubes and the influence of in-situ generated fulvic acids on their stability in aqueous dispersions. <i>Carbon</i> , 2009 , 47, 73-79	10.4	180
16	Use of iron-based technologies in contaminated land and groundwater remediation: a review. <i>Science of the Total Environment</i> , 2008 , 400, 42-51	10.2	469
15	Geometric control and tuneable pore size distribution of buckypaper and buckydiscs. <i>Carbon</i> , 2008 , 46, 949-956	10.4	142
14	Neurite outgrowths of neurons with neurotrophin-coated carbon nanotubes. <i>Journal of Bioscience and Bioengineering</i> , 2007 , 103, 216-20	3.3	111
13	Dissociation of carbon dioxide and creation of carbon particles and films at room temperature. <i>New Journal of Physics</i> , 2007 , 9, 321-321	2.9	16
12	Formation of clusters composed of C60 molecules via self-assembly in critical fluids. <i>Nanotechnology</i> , 2007 , 18, 145611	3.4	9
11	Creation of carbon onions and coils at low temperature in near-critical benzene irradiated with an ultraviolet laser. <i>Nanotechnology</i> , 2007 , 18, 415604	3.4	7
10	Dielectric properties of WS ₂ -coated multiwalled carbon nanotubes studied by energy-loss spectroscopic profiling. <i>Applied Physics Letters</i> , 2005 , 86, 063112	3.4	4
9	Polyurea-functionalized multiwalled carbon nanotubes: synthesis, morphology, and Raman spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11925-32	3.4	213

8	Simple Approaches to Quality Large-Scale Tungsten Oxide Nanoneedles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15572-15577	3.4	61
7	Novel Mg ₂ SiO ₄ structures. <i>Chemical Communications</i> , 2004 , 2396-7	5.8	12
6	Novel nanoscale architectures: coated nanotubes and other nanowires. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004 , 362, 2127-42	3	11
5	WS ₂ layer formation on multi-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 527-532	2.6	13
4	Multiwalled Carbon Nanotubes Coated with Tungsten Disulfide. <i>Chemistry of Materials</i> , 2002 , 14, 2209-2217	3.67	42
3	Conversion of amorphous WO ₃ into WS ₂ nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3938-3940	3.6	4
2	Tungsten disulphide sheathed carbon nanotubes. <i>ChemPhysChem</i> , 2001 , 2, 620-3	3.2	27
1	Tungsten Disulphide Sheathed Carbon Nanotubes 2001 , 2, 620		2