

# Peter J F Harris

## List of Publications by Citations

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92  
papers

7,571  
citations

33  
h-index

87  
g-index

94  
ext. papers

8,092  
ext. citations

7.2  
avg, IF

6.37  
L-index

#	Paper	IF	Citations
92	A simple chemical method of opening and filling carbon nanotubes. <i>Nature</i> , <b>1994</b> , 372, 159-162	50.4	1139
91	Carbon Nanotubes and Related Structures: New Materials for the Twenty-first Century <b>1999</b> ,		643
90	Carbon nanotube composites. <i>International Materials Reviews</i> , <b>2004</b> , 49, 31-43	16.1	573
89	Mechanical damage of carbon nanotubes by ultrasound. <i>Carbon</i> , <b>1996</b> , 34, 814-816	10.4	486
88	Thinning and opening of carbon nanotubes by oxidation using carbon dioxide. <i>Nature</i> , <b>1993</b> , 362, 520-523	30.4	483
87	Open and closed edges of graphene layers. <i>Physical Review Letters</i> , <b>2009</b> , 102, 015501	7.4	476
86	A self-repairing, supramolecular polymer system: healability as a consequence of donor-acceptor pi-pi stacking interactions. <i>Chemical Communications</i> , <b>2009</b> , 6717-9	5.8	422
85	New Perspectives on the Structure of Graphitic Carbons. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2005</b> , 30, 235-253	10.1	278
84	Carbon Nanotube Science: Synthesis, Properties and Applications <b>2009</b> ,		217
83	High-resolution electron microscopy studies of non-graphitizing carbons. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1997</b> , 76, 667-677		182
82	Solid state growth mechanisms for carbon nanotubes. <i>Carbon</i> , <b>2007</b> , 45, 229-239	10.4	166
81	Structure of non-graphitising carbons. <i>International Materials Reviews</i> , <b>1997</b> , 42, 206-218	16.1	152
80	Growth and structure of supported metal catalyst particles. <i>International Materials Reviews</i> , <b>1995</b> , 40, 97-115	16.1	124
79	High-resolution electron microscopy studies of a microporous carbon produced by arc-evaporation. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1994</b> , 90, 2799		119
78	Imaging the atomic structure of activated carbon. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 362201	11.8	117
77	Self-assembly of Peptide nanotubes in an organic solvent. <i>Langmuir</i> , <b>2008</b> , 24, 8158-62	4	111
76	High-resolution electron microscopy of a microporous carbon. <i>Philosophical Magazine Letters</i> , <b>2000</b> , 80, 381-386	1	98

75	A simple technique for the synthesis of filled carbon nanoparticles. <i>Chemical Physics Letters</i> , <b>1998</b> , 293, 53-58	2.5	91
74	Fullerene-like models for microporous carbon. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 565-577	4.3	85
73	Influence of the solvent on the self-assembly of a modified amyloid beta peptide fragment. I. Morphological investigation. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9978-87	3.4	84
72	The sintering of platinum particles in an alumina-supported catalyst: Further transmission electron microscopy studies. <i>Journal of Catalysis</i> , <b>1986</b> , 97, 527-542	7.3	81
71	Sulphur-induced faceting of platinum catalyst particles. <i>Nature</i> , <b>1986</b> , 323, 792-794	50.4	77
70	Catalytic and noncatalytic CO oxidation on Au/TiO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , <b>2003</b> , 219, 17-24	7.3	76
69	Tuning the self-assembly of the bioactive dipeptide L-carnosine by incorporation of a bulky aromatic substituent. <i>Langmuir</i> , <b>2011</b> , 27, 2980-8	4	59
68	How realistic is the pore size distribution calculated from adsorption isotherms if activated carbon is composed of fullerene-like fragments?. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 5919-27	3.6	58
67	The sintering of an alumina-supported platinum catalyst studied by transmission electron microscopy. <i>Journal of Catalysis</i> , <b>1983</b> , 82, 127-146	7.3	49
66	Self-assembly in aqueous solution of a modified amyloid beta peptide fragment. <i>Biophysical Chemistry</i> , <b>2008</b> , 138, 29-35	3.5	47
65	Direct imaging of an adsorbed layer by high-resolution electron microscopy. <i>Nature</i> , <b>1988</b> , 332, 617-620	50.4	46
64	Displacement of Methane by Coadsorbed Carbon Dioxide Is Facilitated In Narrow Carbon Nanopores. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 13640-13649	3.8	41
63	Hyper-parallel tempering Monte Carlo simulations of Ar adsorption in new models of microporous non-graphitizing activated carbon: effect of microporosity. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 406208	1.8	39
62	Carbon nanomaterials from eleven caking coals. <i>Fuel</i> , <b>2002</b> , 81, 1509-1514	7.1	39
61	Synergetic effect of carbon nanopore size and surface oxidation on CO <sub>2</sub> capture from CO <sub>2</sub> /CH <sub>4</sub> mixtures. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 397, 144-53	9.3	38
60	High-resolution electron microscopy of tubule-containing graphitic carbon. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 1189		37
59	Can carbon surface oxidation shift the pore size distribution curve calculated from Ar, N(2) and CO(2) adsorption isotherms? Simulation results for a realistic carbon model. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 315005	1.8	33
58	On charcoal. <i>Interdisciplinary Science Reviews</i> , <b>1999</b> , 24, 301-306	0.7	33

57	Molecular dynamics simulation insight into the mechanism of phenol adsorption at low coverages from aqueous solutions on microporous carbons. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 812-7	3.6	30
56	Chiral Polymer/Carbon-Nanotube Composite Nanofibers. <i>Advanced Materials</i> , <b>2007</b> , 19, 1079-1083	24	30
55	Characterisation of Lactoglobulin nanoparticles and their binding to caffeine. <i>Food Hydrocolloids</i> , <b>2017</b> , 71, 85-93	10.6	30
54	Low-Temperature Sol-Gel Preparation of Ordered Nanoparticles of Tungsten Carbide/Oxide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 5575-5578	3.9	29
53	Fullerene-like carbon nanostructures in the Allende meteorite. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 183, 355-359	5.3	29
52	Encapsulating uranium in carbon nanoparticles using a new technique. <i>Carbon</i> , <b>1998</b> , 36, 1859-1861	10.4	28
51	Particle size studies of supported metal catalysts: a comparative study by X-ray diffraction, EXAFS and electron microscopy. <i>Catalysis Letters</i> , <b>1994</b> , 24, 47-57	2.8	26
50	Preparation and characterisation of supported La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3+x</sub> . <i>Applied Catalysis A: General</i> , <b>2001</b> , 210, 63-73	5.1	25
49	Preparation of fullerenes using carbon rods manufactured from Chinese hard coals. <i>Fuel</i> , <b>2000</b> , 79, 1303-1308	13.08	25
48	The morphology of platinum catalyst particles studied by transmission electron microscopy. <i>Surface Science</i> , <b>1987</b> , 185, L459-L466	1.8	25
47	Transmission Electron Microscopy of Carbon: A Brief History. <i>Journal of Carbon Research</i> , <b>2018</b> , 4, 4	3.3	25
46	The influence of carbon surface oxygen groups on Dubinin-Astakhov equation parameters calculated from CO <sub>2</sub> adsorption isotherm. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 085003	1.8	21
45	BET surface area of carbonaceous adsorbents verification using geometric considerations and GCMC simulations on virtual porous carbon models. <i>Applied Surface Science</i> , <b>2010</b> , 256, 5204-5209	6.7	21
44	Spatial variation in soil compaction, and the burrowing activity of the earthworm <i>Aporrectodea caliginosa</i> . <i>Biology and Fertility of Soils</i> , <b>2004</b> , 39, 360-365	6.1	21
43	The trapping and decomposition of toxic gases such as hydrogen cyanide using modified mesoporous silicates. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 75, 121-128	5.3	21
42	Adsorption from aqueous solutions on opened carbon nanotubes--organic compounds speed up delivery of water from inside. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 9341-5	3.6	19
41	Simple model of adsorption on external surface of carbon nanotubes--new analytical approach basing on molecular simulation data. <i>Adsorption</i> , <b>2010</b> , 16, 197-213	2.6	19
40	Carbon nanotubes and other graphitic structures as contaminants on evaporated carbon films. <i>Journal of Microscopy</i> , <b>1997</b> , 186, 88-90	1.9	19

39	Rosalind Franklin's work on coal, carbon, and graphite. <i>Interdisciplinary Science Reviews</i> , <b>2001</b> , 26, 204-210.	7	19
38	Enhancement of microphase ordering and mechanical properties of supramolecular hydrogen-bonded polyurethane networks. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 3406-3414	4.9	17
37	Hollow structures with bilayer graphene walls. <i>Carbon</i> , <b>2012</b> , 50, 3195-3199	10.4	17
36	A new and effective synthesis of non-stoichiometric metal oxides such as oxygen-deficient WO <sub>2.72</sub> . <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 445-446		17
35	Carbonaceous contaminants on support films for transmission electron microscopy. <i>Carbon</i> , <b>2001</b> , 39, 909-913	10.4	17
34	Multiple hydrogen bonds induce formation of nanoparticles with internal microemulsion structure by an amphiphilic copolymer. <i>Soft Matter</i> , <b>2011</b> , 7, 10116	3.6	16
33	Structures of Pd(CN) <sub>2</sub> and Pt(CN) <sub>2</sub> : intrinsically nanocrystalline materials?. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 104-113	5.1	16
32	Testing isotherm models and recovering empirical relationships for adsorption in microporous carbons using virtual carbon models and grand canonical Monte Carlo simulations. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 385212	1.8	16
31	A microporous carbon produced by arc-evaporation. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 1519		16
30	Engineering carbon materials with electricity. <i>Carbon</i> , <b>2017</b> , 122, 504-513	10.4	15
29	A systematic study of the effect of the hard end-group composition on the microphase separation, thermal and mechanical properties of supramolecular polyurethanes. <i>Polymer</i> , <b>2016</b> , 107, 368-378	3.9	14
28	The track nanotechnology. <i>Radiation Measurements</i> , <b>2009</b> , 44, 1109-1113	1.5	13
27	Ultrathin graphitic structures and carbon nanotubes in a purified synthetic graphite. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 355009	1.8	12
26	Electrodeposition of chiral polymer-carbon nanotube composite films. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1766-9	3.2	11
25	The structure and growth of C <sub>60</sub> platelets. <i>Chemical Physics Letters</i> , <b>1992</b> , 199, 631-634	2.5	11
24	The structure of junctions between carbon nanotubes and graphene shells. <i>Nanoscale</i> , <b>2016</b> , 8, 18849-18854	5.4	10
23	Bilayer graphene formed by passage of current through graphite: evidence for a three-dimensional structure. <i>Nanotechnology</i> , <b>2014</b> , 25, 465601	3.4	10
22	Strong faceting of platinum catalyst particles. <i>Applied Catalysis</i> , <b>1985</b> , 16, 439-442		9

21	Structural transformation of natural graphite by passage of an electric current. <i>Carbon</i> , <b>2016</b> , 107, 132-137.	10.4	8
20	Applicability of molecular simulations for modelling the adsorption of the greenhouse gas CF <sub>4</sub> on carbons. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 015004	1.8	8
19	Direct observation of carbon nanotube formation in Pd/H-ZSM-5 and MoO <sub>3</sub> /H-ZSM-5 based methane activation catalysts. <i>Catalysis Letters</i> , <b>2007</b> , 116, 122-127	2.8	8
18	Folding of graphene slit like pore walls--a simple method of improving CO <sub>2</sub> separation from mixtures with CH <sub>4</sub> or N <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 485006	1.8	7
17	Plan-view and profile imaging of sulphided platinum particles. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1994</b> , 69, 655-669		6
16	Fullerene Polymers: A Brief Review. <i>Journal of Carbon Research</i> , <b>2020</b> , 6, 71	3.3	6
15	The closed-edge structure of graphite and the effect of electrostatic charging.. <i>RSC Advances</i> , <b>2020</b> , 10, 7994-8001	3.7	4
14	The influence of the carbon surface chemical composition on Dubinin-Astakhov equation parameters calculated from SF <sub>6</sub> adsorption data-grand canonical Monte Carlo simulation. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 395005	1.8	4
13	Catalysis-free transformation of non-graphitising carbons into highly crystalline graphite. <i>Communications Materials</i> , <b>2020</b> , 1,	6	4
12	Pulsed thermal treatment of carbon up to 3000 °C using an atomic absorption spectrometer. <i>Carbon</i> , <b>2018</b> , 135, 157-163	10.4	3
11	Rosalind Franklin, carbon scientist. <i>Carbon</i> , <b>2021</b> , 171, 289-293	10.4	3
10	Pyrolysis of Polymer-Derived Carbons in the Formation of Graphitizing Carbons and Nanoparticles of Zirconia. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 2605-2611	3.9	2
9	Foliar catechol oxidase activity as a measure of copper nutrition of tomato plants. <i>Journal of the Science of Food and Agriculture</i> , <b>1993</b> , 62, 185-190	4.3	2
8	Non-Graphitizing Carbon: Its Structure and Formation from Organic Precursors. <i>Eurasian Chemico-Technological Journal</i> , <b>2019</b> , 21, 227	0.8	2
7	The effect of chiral end groups on the assembly of supramolecular polyurethanes. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4488-4500	4.9	2
6	Microscopy and literature. <i>Endeavour</i> , <b>2019</b> , 43, 100695	0.5	1
5	The morphology of platinum catalyst particles studied by transmission electron microscopy. <i>Surface Science Letters</i> , <b>1987</b> , 185, L459-L466		1
4	Structural transformation of graphite by passage of electric current. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 66-70	1.8	1

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|---|---|-----|---|
| 3 | To what extent can mutual shifting of folded carbonaceous walls in slit-like pores affect their adsorption properties?. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 015002 | 1.8 | 1 |
| 2 | Nanotubes with horns: a clue to the growth mechanism?. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 541-544  | 1.8 |   |
| 1 | Novel bilayer graphene structures produced by arc-discharge. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 522, 012067   | 0.3 |   |