Peter J F Harris

List of Publications by Year
in descending order

92 papers	8,707 citations	117625 34 h-index	49909 87 g-index
94 all docs	94 docs citations	94 times ranked	9750 citing authors

#	Article	IF	Citations
1	Aberration-corrected transmission electron microscopy of a non-graphitizing carbon. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	4
2	Rosalind Franklin, carbon scientist. Carbon, 2021, 171, 289-293.	10.3	4
3	The effect of chiral end groups on the assembly of supramolecular polyurethanes. Polymer Chemistry, 2021, 12, 4488-4500.	3.9	6
4	Structural transformation of graphite by passage of electric current. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 66-70.	2.1	1
5	Fullerene Polymers: A Brief Review. Journal of Carbon Research, 2020, 6, 71.	2.7	17
6	Catalysis-free transformation of non-graphitising carbons into highly crystalline graphite. Communications Materials, 2020, 1, .	6.9	17
7	The closed-edge structure of graphite and the effect of electrostatic charging. RSC Advances, 2020, 10, 7994-8001.	3.6	12
8	Nanotubes with horns: a clue to the growth mechanism?. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 541-544.	2.1	2
9	Microscopy and literature. Endeavour, 2019, 43, 100695.	0.4	2
10	Non-Graphitizing Carbon: Its Structure and Formation from Organic Precursors. Eurasian Chemico-Technological Journal, 2019, 21, 227.	0.6	9
11	Pulsed thermal treatment of carbon up to 3000â€¯Â°C using an atomic absorption spectrometer. Carbon, 2018, 135, 157-163.	10.3	7
12	Transmission Electron Microscopy of Carbon: A Brief History. Journal of Carbon Research, 2018, 4, 4.	2.7	34
13	Enhancement of microphase ordering and mechanical properties of supramolecular hydrogen-bonded polyurethane networks. Polymer Chemistry, 2018, 9, 3406-3414.	3.9	24
14	Engineering carbon materials with electricity. Carbon, 2017, 122, 504-513.	10.3	17
15	Characterisation of Î²-lactoglobulin nanoparticles and their binding to caffeine. Food Hydrocolloids, 2017, 71, 85-93.	10.7	37
16	Non-Graphitizing Carbons: Structure. , 2016, , .		0
17	To what extent can mutual shifting of folded carbonaceous walls in slit-like pores affect their adsorption properties?. Journal of Physics Condensed Matter, 2016, 28, 015002.	1.8	1
18	A systematic study of the effect of the hard end-group composition on the microphase separation, thermal and mechanical properties of supramolecular polyurethanes. Polymer, 2016, 107, 368-378.	3.8	19

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19	The structure of junctions between carbon nanotubes and graphene shells. Nanoscale, 2016, 8, 18849-18854.	5.6	12
20	Structural transformation of natural graphite by passage of an electric current. Carbon, 2016, 107, 132-137.	10.3	9
21	Folding of graphene slit like pore wallsâ€"a simple method of improving CO₂separation from mixtures with CH₄or N₂. Journal of Physics Condensed Matter, 2014, 26, 485006.	1.8	7
22	Novel bilayer graphene structures produced by arc-discharge. Journal of Physics: Conference Series, 2014, 522, 012067.	0.4	0
23	Bilayer graphene formed by passage of current through graphite: evidence for a three-dimensional structure. Nanotechnology, 2014, 25, 465601.	2.6	11
24	Synergetic effect of carbon nanopore size and surface oxidation on CO2 capture from CO2/CH4 mixtures. Journal of Colloid and Interface Science, 2013, 397, 144-153.	9.4	42
25	Fullerene-like models for microporous carbon. Journal of Materials Science, 2013, 48, 565-577.	3.7	111
26	Applicability of molecular simulations for modelling the adsorption of the greenhouse gas CF4on carbons. Journal of Physics Condensed Matter, 2013, 25, 015004.	1.8	10
27	Displacement of Methane by Coadsorbed Carbon Dioxide Is Facilitated In Narrow Carbon Nanopores. Journal of Physical Chemistry C, 2012, 116, 13640-13649.	3.1	48
28	Hollow structures with bilayer graphene walls. Carbon, 2012, 50, 3195-3199.	10.3	18
29	Tuning the Self-Assembly of the Bioactive Dipeptide <scp>l</scp>-Carnosine by Incorporation of a Bulky Aromatic Substituent. Langmuir, 2011, 27, 2980-2988.	3.5	67
30	Structures of Pd(CN)₂ and Pt(CN)₂: Intrinsically Nanocrystalline Materials?. Inorganic Chemistry, 2011, 50, 104-113.	4.0	18
31	Multiple hydrogen bonds induce formation of nanoparticles with internal microemulsion structure by an amphiphilic copolymer. Soft Matter, 2011, 7, 10116.	2.7	16
32	The influence of the carbon surface chemical composition on Dubininâ€"Astakhov equation parameters calculated from SF6adsorption dataâ€"grand canonical Monte Carlo simulation. Journal of Physics Condensed Matter, 2011, 23, 395005.	1.8	5
33	Simple model of adsorption on external surface of carbon nanotubesâ€"aÂnew analytical approach basing on molecular simulation data. Adsorption, 2010, 16, 197-213.	3.0	23
34	BET surface area of carbonaceous adsorbentsâ€"Verification using geometric considerations and GCMC simulations on virtual porous carbon models. Applied Surface Science, 2010, 256, 5204-5209.	6.1	23
35	The influence of carbon surface oxygen groups on Dubininâ€"Astakhov equation parameters calculated from CO₂adsorption isotherm. Journal of Physics Condensed Matter, 2010, 22, 085003.	1.8	24
36	Molecular dynamics simulation insight into the mechanism of phenol adsorption at low coverages from aqueous solutions on microporous carbons. Physical Chemistry Chemical Physics, 2010, 12, 812-817.	2.8	35

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37	Ultrathin graphitic structures and carbon nanotubes in a purified synthetic graphite. Journal of Physics Condensed Matter, 2009, 21, 355009.	1.8	12
38	The track nanotechnology. Radiation Measurements, 2009, 44, 1109-1113.	1.4	16
39	Can carbon surface oxidation shift the pore size distribution curve calculated from Ar, N₂and CO₂adsorption isotherms? Simulation results for a realistic carbon model. Journal of Physics Condensed Matter, 2009, 21, 315005.	1.8	35
40	A self-repairing, supramolecular polymer system: healability as a consequence of donorâ€“acceptor Ï€â€“Ï€ stacking interactions. Chemical Communications, 2009, , 6717.	4.1	475
41	Open and Closed Edges of Graphene Layers. Physical Review Letters, 2009, 102, 015501.	7.8	539
42	Adsorption from aqueous solutions on opened carbon nanotubesâ€"organic compounds speed up delivery of water from inside. Physical Chemistry Chemical Physics, 2009, 11, 9341.	2.8	20
43	Influence of the Solvent on the Self-Assembly of a Modified Amyloid Beta Peptide Fragment. I. Morphological Investigation. Journal of Physical Chemistry B, 2009, 113, 9978-9987.	2.6	90
44	Self-assembly in aqueous solution of a modified amyloid beta peptide fragment. Biophysical Chemistry, 2008, 138, 29-35.	2.8	49
45	Self-Assembly of Peptide Nanotubes in an Organic Solvent. Langmuir, 2008, 24, 8158-8162.	3.5	124
46	Imaging the atomic structure of activated carbon. Journal of Physics Condensed Matter, 2008, 20, 362201.	1.8	142
47	Pyrolysis of Polymer-Derived Carbons in the Formation of Graphitizing Carbons and Nanoparticles of Zirconia. Industrial & Engineering Chemistry Research, 2008, 47, 2605-2611.	3.7	2
48	Testing isotherm models and recovering empirical relationships for adsorption in microporous carbons using virtual carbon models and grand canonical Monte Carlo simulations. Journal of Physics Condensed Matter, 2008, 20, 385212.	1.8	18
49	How realistic is the pore size distribution calculated from adsorption isotherms if activated carbon is composed of fullerene-like fragments?. Physical Chemistry Chemical Physics, 2007, 9, 5919.	2.8	70
50	Hyper-parallel tempering Monte Carlo simulations of Ar adsorption in new models of microporous non-graphitizing activated carbon: effect of microporosity. Journal of Physics Condensed Matter, 2007, 19, 406208.	1.8	43
51	Chiral Polymer-Carbon-Nanotube Composite Nanofibers. Advanced Materials, 2007, 19, 1079-1083.	21.0	30
52	Electrodeposition of Chiral Polymerâ€“Carbon Nanotube Composite Films. ChemPhysChem, 2007, 8, 1766-1769.	2.1	12
53	Solid state growth mechanisms for carbon nanotubes. Carbon, 2007, 45, 229-239.	10.3	185
54	Direct observation of carbon nanotube formation in Pd/H-ZSM-5 and MoO3/H-ZSM-5 based methane activation catalysts. Catalysis Letters, 2007, 116, 122-127.	2.6	8

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55	New Perspectives on the Structure of Graphitic Carbons. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 235-253.	12.3	336
56	Low-Temperature Solâˆ'Gel Preparation of Ordered Nanoparticles of Tungsten Carbide/Oxide. Industrial & Engineering Chemistry Research, 2005, 44, 5575-5578.	3.7	31
57	Spatial variation in soil compaction, and the burrowing activity of the earthworm Aporrectodea caliginosa. Biology and Fertility of Soils, 2004, 39, 360-365.	4.3	24
58	The trapping and decomposition of toxic gases such as hydrogen cyanide using modified mesoporous silicates. Microporous and Mesoporous Materials, 2004, 75, 121-128.	4.4	21
59	Carbon nanotube composites. International Materials Reviews, 2004, 49, 31-43.	19.3	646
60	Catalytic and noncatalytic CO oxidation on Au/TiO2 catalysts. Journal of Catalysis, 2003, 219, 17-24.	6.2	86
61	A new and effective synthesis of non-stoichiometric metal oxides such as oxygen-deficient WO2.72. Journal of Materials Chemistry, 2003, 13, 445-446.	6.7	18
62	Carbon nanomaterials from eleven caking coals. Fuel, 2002, 81, 1509-1514.	6.4	41
63	Rosalind Franklin's work on coal, carbon, and graphite. Interdisciplinary Science Reviews, 2001, 26, 204-210.	1.4	28
64	Preparation and characterisation of supported La0.8Sr0.2MnO3+x. Applied Catalysis A: General, 2001, 210, 63-73.	4.3	26
65	Carbonaceous contaminants on support films for transmission electron microscopy. Carbon, 2001, 39, 909-913.	10.3	19
66	Preparation of fullerenes using carbon rods manufactured from Chinese hard coals. Fuel, 2000, 79, 1303-1308.	6.4	31
67	Fullerene-like carbon nanostructures in the Allende meteorite. Earth and Planetary Science Letters, 2000, 183, 355-359.	4.4	36
68	High-resolution electron microscopy of a microporous carbon. Philosophical Magazine Letters, 2000, 80, 381-386.	1.2	108
69	On charcoal. Interdisciplinary Science Reviews, 1999, 24, 301-306.	1.4	39
70	Encapsulating uranium in carbon nanoparticles using a new technique. Carbon, 1998, 36, 1859-1861.	10.3	28
71	A simple technique for the synthesis of filled carbon nanoparticles. Chemical Physics Letters, 1998, 293, 53-58.	2.6	98
72	Structure of non-graphitising carbons. International Materials Reviews, 1997, 42, 206-218.	19.3	187

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73	High-resolution electron microscopy studies of non-graphitizing carbons. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 667-677.	0.6	210
74	Carbon nanotubes and other graphitic structures as contaminants on evaporated carbon films. Journal of Microscopy, 1997, 186, 88-90.	1.8	21
75	Mechanical damage of carbon nanotubes by ultrasound. Carbon, 1996, 34, 814-816.	10.3	530
76	Growth and structure of supported metal catalyst particles. International Materials Reviews, 1995, 40, 97-115.	19.3	137
77	Particle size studies of supported metal catalysts: a comparative study by X-ray diffraction, EXAFS and electron microscopy. Catalysis Letters, 1994, 24, 47-57.	2.6	30
78	A simple chemical method of opening and filling carbon nanotubes. Nature, 1994, 372, 159-162.	27.8	1,304
79	High-resolution electron microscopy studies of a microporous carbon produced by arc-evaporation. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2799.	1.7	136
80	Plan-view and profile imaging of sulphided platinum particles. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 69, 655-669.	0.6	6
81	Foliar catechol oxidase activity as a measure of copper nutrition of tomato plants. Journal of the Science of Food and Agriculture, 1993, 62, 185-190.	3.5	2
82	Thinning and opening of carbon nanotubes by oxidation using carbon dioxide. Nature, 1993, 362, 520-522.	27.8	554
83	High-resolution electron microscopy of tubule-containing graphitic carbon. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1189.	1.7	43
84	A microporous carbon produced by arc-evaporation. Journal of the Chemical Society Chemical Communications, 1993, , 1519.	2.0	20
85	The structure and growth of C60 platelets. Chemical Physics Letters, 1992, 199, 631-634.	2.6	13
86	Direct imaging of an adsorbed layer by high-resolution electron microscopy. Nature, 1988, 332, 617-620.	27.8	51
87	The morphology of platinum catalyst particles studied by transmission electron microscopy. Surface Science, 1987, 185, L459-L466.	1.9	25
88	The morphology of platinum catalyst particles studied by transmission electron microscopy. Surface Science Letters, 1987, 185, L459-L466.	0.1	0
89	Sulphur-induced faceting of platinum catalyst particles. Nature, 1986, 323, 792-794.	27.8	93
90	The sintering of platinum particles in an alumina-supported catalyst: Further transmission electron microscopy studies. Journal of Catalysis, 1986, 97, 527-542.	6.2	95

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91	Strong faceting of platinum catalyst particles. Applied Catalysis, 1985, 16, 439-442.	0.8	12
92	The sintering of an alumina-supported platinum catalyst studied by transmission electron microscopy. Journal of Catalysis, 1983, 82, 127-146.	6.2	70