

Patrick A B James

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,088
citations

279487

23
h-index

233125

45
g-index

59
all docs

59
docs citations

59
times ranked

2089
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change future proofing of buildings – Generation and assessment of building simulation weather files. <i>Energy and Buildings</i> , 2008, 40, 2148-2168.	3.1	257
2	Transforming existing weather data for worldwide locations to enable energy and building performance simulation under future climates. <i>Renewable Energy</i> , 2013, 55, 514-524.	4.3	220
3	Naturally ventilated classrooms: An assessment of existing comfort models for predicting the thermal sensation and preference of primary school children. <i>Energy and Buildings</i> , 2012, 53, 166-182.	3.1	189
4	Urban energy generation: Influence of micro-wind turbine output on electricity consumption in buildings. <i>Energy and Buildings</i> , 2007, 39, 154-165.	3.1	144
5	Urban energy generation: The added value of photovoltaics in social housing. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 2121-2136.	8.2	137
6	Potential of emerging glazing technologies for highly glazed buildings in hot arid climates. <i>Energy and Buildings</i> , 2008, 40, 720-731.	3.1	121
7	Thermal comfort in naturally ventilated primary school classrooms. <i>Building Research and Information</i> , 2013, 41, 301-316.	2.0	74
8	Electricity consumption and household characteristics: Implications for census-taking in a smart metered future. <i>Computers, Environment and Urban Systems</i> , 2017, 63, 58-67.	3.3	69
9	Continuous radionuclide recovery from wastewater using magnetotactic bacteria. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 241-244.	1.0	56
10	Infrastructural challenges to better health in maternity facilities in rural Kenya: community and healthworker perceptions. <i>Reproductive Health</i> , 2015, 12, 103.	1.2	49
11	Domestic micro-generation: Economic, regulatory and policy issues for the UK. <i>Energy Policy</i> , 2008, 36, 3095-3106.	4.2	47
12	Promoting low carbon behaviours through personalised information? Long-term evaluation of a carbon calculator interview. <i>Energy Policy</i> , 2018, 120, 284-293.	4.2	45
13	Implications of the UK field trial of building mounted horizontal axis micro-wind turbines. <i>Energy Policy</i> , 2010, 38, 6130-6144.	4.2	42
14	Thermal Performance Evaluation of School Buildings using a Children-based Adaptive Comfort Model. <i>Procedia Environmental Sciences</i> , 2017, 38, 844-851.	1.3	40
15	Assessing socially acceptable locations for onshore wind energy using a GIS-MCDA approach. <i>International Journal of Low-Carbon Technologies</i> , 2019, 14, 160-169.	1.2	38
16	PV array <5kWp+single inverter=grid connected PV system: Are multiple inverter alternatives economic?. <i>Solar Energy</i> , 2006, 80, 1179-1188.	2.9	34
17	Quantifying the added value of BiPV as a shading solution in atria. <i>Solar Energy</i> , 2009, 83, 220-231.	2.9	32
18	Metal uptake and separation using magnetotactic bacteria. <i>IEEE Transactions on Magnetics</i> , 1994, 30, 4707-4709.	1.2	31

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19	Developing English domestic occupancy profiles. <i>Building Research and Information</i> , 2019, 47, 375-393.	2.0	31
20	Energy storage against interconnection as a balancing mechanism for a 100% renewable UK electricity grid. <i>IET Renewable Power Generation</i> , 2015, 9, 131-141.	1.7	30
21	Fuel poverty-induced "prebound effect"™ in achieving the anticipated carbon savings from social housing retrofit. <i>Building Services Engineering Research and Technology</i> , 2016, 37, 176-193.	0.9	30
22	Floating solar PV to reduce water evaporation in water stressed regions and powering water pumping: Case study Jordan. <i>Energy Conversion and Management</i> , 2022, 260, 115598.	4.4	30
23	Characterisation of magnetotactic bacteria using image processing techniques. <i>IEEE Transactions on Magnetism</i> , 1993, 29, 3358-3360.	1.2	25
24	An alternative method for the estimation of the magnetic moment of non-spherical magnetotactic bacteria. <i>IEEE Transactions on Magnetism</i> , 1996, 32, 5133-5135.	1.2	25
25	Quantifying Thermal Bridge Effects and Assessing Retrofit Solutions in a Greek Residential Building. <i>Procedia Environmental Sciences</i> , 2017, 38, 306-313.	1.3	23
26	Characterization and growth of magnetotactic bacteria: Implications of clean up of environmental pollution. <i>Journal of Applied Physics</i> , 1993, 73, 5394-5396.	1.1	21
27	Low magnetic-field separation system for metal-loaded magnetotactic bacteria. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 1453-1454.	1.0	21
28	The Impact of an Electrical Mini-grid on the Development of a Rural Community in Kenya. <i>Energies</i> , 2019, 12, 778.	1.6	19
29	Investigating the principal adaptive comfort relationships for young children. <i>Building Research and Information</i> , 2015, 43, 371-382.	2.0	18
30	The influence of a student's "home" climate on room temperature and indoor environmental controls use in a modern halls of residence. <i>Energy and Buildings</i> , 2016, 119, 331-339.	3.1	17
31	Camera-based window-opening estimation in a naturally ventilated office. <i>Building Research and Information</i> , 2018, 46, 148-163.	2.0	17
32	Holographic optical elements: various principles for solar control of conservatories and sunrooms. <i>Solar Energy</i> , 2005, 78, 441-454.	2.9	15
33	Smart glazing solutions to glare and solar gain: a "sick building" case study. <i>Energy and Buildings</i> , 2005, 37, 1058-1067.	3.1	14
34	High gradient magnetic separation of motile and non-motile magnetotactic bacteria. <i>IEEE Transactions on Magnetism</i> , 1996, 32, 5106-5108.	1.2	13
35	Dataset of the livability performance of the city of Birmingham, UK, as measured by its citizen wellbeing, resource security, resource efficiency and carbon emissions. <i>Data in Brief</i> , 2017, 15, 691-695.	0.5	12
36	Development of a highly magnetic iron sulphide for metal uptake and magnetic separation. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 567-571.	1.0	10

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37	Pole-mounted horizontal axis micro-wind turbines: UK field trial findings and market size assessment. <i>Energy Policy</i> , 2011, 39, 3822-3831.	4.2	10
38	The Role of Digital Trace Data in Supporting the Collection of Population Statistics – the Case for Smart Metered Electricity Consumption Data. <i>Population, Space and Place</i> , 2016, 22, 849-863.	1.2	10
39	A comparative study of the magnetic separation characteristics of magnetotactic and sulphate reducing bacteria. <i>Journal of Applied Physics</i> , 1998, 83, 6444-6446.	1.1	8
40	Tracking a city's center of gravity over 500 years of growth from a time series of georectified historical maps. <i>Cartography and Geographic Information Science</i> , 2020, 47, 524-536.	1.4	8
41	A simple, scalable and low-cost method to generate thermal diagnostics of a domestic building. <i>Applied Energy</i> , 2014, 134, 519-530.	5.1	7
42	Role of distributed storage in a 100% renewable UK network. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2015, 168, 87-95.	0.5	7
43	Domestic thermal upgrades, community action and energy saving: A three-year experimental study of prosperous households. <i>Energy Policy</i> , 2019, 127, 475-485.	4.2	7
44	Continuous cultivation and recovery of magnetotactic bacteria. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 4263-4265.	1.2	5
45	Exploring the Link between Thermal Experience and Adaptation to a New Climate. <i>Future Cities and Environment</i> , 2018, 4, .	0.6	5
46	Noisy and restless: 24h in an NHS community hospital ward, a qualitative and quantitative analysis of the patient environment. <i>Building and Environment</i> , 2020, 175, 106795.	3.0	4
47	Solar Power Potential from Industrial Buildings and Impact on Electricity Supply in Bangladesh. <i>Energies</i> , 2022, 15, 4037.	1.6	4
48	A cation budget analysis for a coastal dune system in North-West England. <i>Catena</i> , 1986, 13, 1-10.	2.2	3
49	Evaluating CHP management and outputs using simple operational data. <i>International Journal of Low-Carbon Technologies</i> , 2018, 13, 109-115.	1.2	3
50	Economics of solar powered refrigeration transport applications. , 0, , .		2
51	Heating and controls use resulting from shared-cost charges in communal network social housing. <i>Building Services Engineering Research and Technology</i> , 2020, 41, 315-331.	0.9	2
52	Assessment of a Nurse Led Energy Behavior Change Intervention in an NHS Community Hospital Ward. <i>Energies</i> , 2021, 14, 6523.	1.6	2
53	Electrical connector contact resistance behaviour within a PV shingle roof. , 0, , .		1
54	Post installation optimisation of a building integrated PV system at Southampton University. , 0, , .		1

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55	The impact of the GB Feed-in Tariffs and Renewable Heat Incentive to the Economics of Various Microgeneration Technologies at the Street Level. , 2011, , .		1
56	Solar PV Penetration Scenarios for a University Campus in KSA. Energies, 2022, 15, 3150.	1.6	1
57	Revisiting Home Heat Control Theories through a UK Care Home Field Trial. Energies, 2022, 15, 4990.	1.6	1
58	Characterisation Of Magnetotactic Bacteria Using Image Processing Techniques. , 1993, , .		0
59	Efficiency enhancements through the use of magnetic field gradients in orientation magnetic separation. , 1999, , .		0