Brian Norton

List of Publications by Year
in descending order

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220	9,035	38660 50	48187 88
papers	citations	h-index	g-index

223	223	223	5422
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal regulation of building-integrated photovoltaics using phase change materials. International Journal of Heat and Mass Transfer, 2004, 47, 2715-2733.	2.5	388
2	Evaluation of phase change materials for thermal regulation enhancement of building integrated photovoltaics. Solar Energy, 2010, 84, 1601-1612.	2.9	368
3	Review of solar-energy drying systems II: an overview of solar drying technology. Energy Conversion and Management, 1999, 40, 615-655.	4.4	351
4	Phase change materials for limiting temperature rise in building integrated photovoltaics. Solar Energy, 2006, 80, 1121-1130.	2.9	307
5	Real-life energy use in the UK: How occupancy and dwelling characteristics affect domestic electricity use. Energy and Buildings, 2008, 40, 1053-1059.	3.1	298
6	Enhancing the performance of building integrated photovoltaics. Solar Energy, 2011, 85, 1629-1664.	2.9	274
7	Natural convection in an internally finned phase change material heat sink for the thermal management of photovoltaics. Solar Energy Materials and Solar Cells, 2011, 95, 1598-1603.	3.0	241
8	Phase change materials for photovoltaic thermal management. Renewable and Sustainable Energy Reviews, 2015, 47, 762-782.	8.2	230
9	Increased photovoltaic performance through temperature regulation by phase change materials: Materials comparison in different climates. Solar Energy, 2015, 115, 264-276.	2.9	172
10	Heat retention of a photovoltaic/thermal collector with PCM. Solar Energy, 2016, 133, 533-548.	2.9	171
11	Energy and Cost Saving of a Photovoltaic-Phase Change Materials (PV-PCM) System through Temperature Regulation and Performance Enhancement of Photovoltaics. Energies, 2014, 7, 1318-1331.	1.6	162
12	Life-cycle operational and embodied energy for a generic single-storey office building in the UK. Energy, 2002, 27, 77-92.	4.5	152
13	Long term performance analysis of a grid connected photovoltaic system in Northern Ireland. Energy Conversion and Management, 2006, 47, 2925-2947.	4.4	149
14	Advances in switchable and highly insulating autonomous (self-powered) glazing systems for adaptive low energy buildings. Renewable Energy, 2018, 126, 1003-1031.	4.3	144
15	Optimal sizing of array and inverter for grid-connected photovoltaic systems. Solar Energy, 2006, 80, 1517-1539.	2.9	141
16	The design and experimental characterisation of an asymmetric compound parabolic photovoltaic concentrator for building faÃ§ade integration in the UK. Solar Energy, 2004, 77, 319-327.	2.9	135
17	Characterization of phase change materials for thermal control of photovoltaics using Differential Scanning Calorimetry and Temperature History Method. Energy Conversion and Management, 2014, 81, 322-329.	4.4	134
18	The impact of array inclination and orientation on the performance of a grid-connected photovoltaic system. Renewable Energy, 2007, 32, 118-140.	4.3	124

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19	Quantum dot solar concentrators: Electrical conversion efficiencies and comparative concentrating factors of fabricated devices. Solar Energy, 2007, 81, 813-821.	2.9	112
20	Comparison of measured and predicted long term performance of grid a connected photovoltaic system. Energy Conversion and Management, 2007, 48, 1065-1080.	4.4	111
21	Economic viability of photovoltaic water pumping systems. Solar Energy, 2006, 80, 850-860.	2.9	103
22	Efficient energy storage technologies for photovoltaic systems. Solar Energy, 2019, 192, 144-168.	2.9	103
23	Optimising the economic viability of grid-connected photovoltaic systems. Applied Energy, 2009, 86, 985-999.	5.1	102
24	Comparison of a small-scale 3D PCM thermal control model with a validated 2D PCM thermal control model. Solar Energy Materials and Solar Cells, 2006, 90, 1961-1972.	3.0	95
25	Non-concentrating and asymmetric compound parabolic concentrating building faÃ§ade integrated photovoltaics: An experimental comparison. Solar Energy, 2006, 80, 834-849.	2.9	94
26	Integrated collector storage solar water heaters. Renewable and Sustainable Energy Reviews, 2006, 10, 503-538.	8.2	92
27	Review of solar-energy drying systems III: low temperature air-heating solar collectors for crop drying applications. Energy Conversion and Management, 1999, 40, 657-667.	4.4	91
28	Influence of pumping head, insolation and PV array size on PV water pumping system performance. Solar Energy, 2006, 80, 51-64.	2.9	90
29	Measured overall heat transfer coefficient of a suspended particle device switchable glazing. Applied Energy, 2015, 159, 362-369.	5.1	90
30	Fabrication of evacuated glazing at low temperature. Solar Energy, 1998, 63, 243-249.	2.9	86
31	Linear Dielectric Non-Imaging Concentrating Covers For PV Integrated Building Facades. Solar Energy, 2000, 68, 439-452.	2.9	86
32	Corrosive effects of salt hydrate phase change materials used with aluminium and copper. Journal of Materials Processing Technology, 2006, 175, 198-205.	3.1	85
33	Transparent patch antenna on a-Si thin-film glass solar module. Electronics Letters, 2011, 47, 85.	0.5	84
34	Integration of Microstrip Patch Antenna With Polycrystalline Silicon Solar Cell. IEEE Transactions on Antennas and Propagation, 2009, 57, 3969-3972.	3.1	83
35	Long-term validated simulation of a building integrated photovoltaic system. Solar Energy, 2005, 78, 163-176.	2.9	80
36	Experimental validation of a numerical model for heat transfer in vacuum glazing. Solar Energy, 2006, 80, 564-577.	2.9	76

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37	Indium alloy-sealed vacuum glazing development and context. Renewable and Sustainable Energy Reviews, 2014, 37, 480-501.	8.2	71
38	The effect of tank geometry on thermally stratified sensible heat storage subject to low Reynolds number flows. International Journal of Heat and Mass Transfer, 1998, 41, 2131-2142.	2.5	70
39	Solar dryers for tropical food preservation: Thermophysics of crops, systems and components. Solar Energy, 2017, 154, 2-13.	2.9	69
40	Solar radiation modelling for the simulation of photovoltaic systems. Renewable Energy, 2008, 33, 1109-1120.	4.3	68
41	Measured thermal & daylight performance of an evacuated glazing using an outdoor test cell. Applied Energy, 2016, 177, 196-203.	5.1	68
42	Technological assessment of different solar-biomass systems for hybrid power generation in Europe. Renewable and Sustainable Energy Reviews, 2017, 68, 1115-1129.	8.2	68
43	Indoor Characterisation of a Photovoltaic/ Thermal Phase Change Material System. Energy Procedia, 2015, 70, 163-171.	1.8	67
44	Quantum dot solar concentrator: Device optimisation using spectroscopic techniques. Solar Energy, 2007, 81, 540-547.	2.9	64
45	Measured thermal performance of a combined suspended particle switchable device evacuated glazing. Applied Energy, 2016, 169, 469-480.	5.1	60
46	Daylighting performance and glare calculation of a suspended particle device switchable glazing. Solar Energy, 2016, 132, 114-128.	2.9	59
47	Daylight characteristics of a polymer dispersed liquid crystal switchable glazing. Solar Energy Materials and Solar Cells, 2018, 174, 572-576.	3.0	56
48	Low emittance coatings and the thermal performance of vacuum glazing. Solar Energy, 2007, 81, 8-12.	2.9	54
49	Validated, unified model for optics and heat transfer in line-axis concentrating solar energy collectors. Solar Energy, 1993, 50, 339-355.	2.9	53
50	Behaviour of a SPD switchable glazing in an outdoor test cell with heat removal under varying weather conditions. Applied Energy, 2016, 180, 695-706.	5.1	53
51	A comparative performance rating for an integrated solar collector/storage vessel with inner sleeves to increase heat retention. Solar Energy, 1999, 66, 291-303.	2.9	51
52	Improving the optical efficiency and concentration of a single-plate quantum dot solar concentrator using near infra-red emitting quantum dots. Solar Energy, 2009, 83, 978-981.	2.9	51
53	First outdoor characterisation of a PV powered suspended particle device switchable glazing. Solar Energy Materials and Solar Cells, 2016, 157, 1-9.	3.0	51
54	Interior colour rendering of daylight transmitted through a suspended particle device switchable glazing. Solar Energy Materials and Solar Cells, 2017, 163, 218-223.	3.0	49

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55	Optimization of PV powered SPD switchable glazing to minimise probability of loss of power supply. Renewable Energy, 2019, 131, 993-1001.	4.3	48
56	Comparison of vacuum glazing thermal performance predicted using two- and three-dimensional models and their experimental validation. Solar Energy Materials and Solar Cells, 2009, 93, 1492-1498.	3.0	46
57	The effect of variation of angle of inclination on the performance of low-concentration-ratio compound parabolic concentrating solar collectors. Solar Energy, 1995, 55, 301-309.	2.9	45
58	Design and measured performance of a solar chimney for natural-circulation solar-energy dryers. Renewable Energy, 1997, 10, 81-90.	4.3	43
59	State-of-the-art review of cathodic protection for reinforced concrete structures. Magazine of Concrete Research, 2016, 68, 664-677.	0.9	43
60	Quantum dot solar concentrator behaviour, predicted using a ray trace approach. International Journal of Ambient Energy, 2004, 25, 47-56.	1.4	41
61	Comparison of Predictions Made Using a New 3D Phase Change Material Thermal Control Model with Experimental Measurements and Predictions Made Using a Validated 2D Model. Heat Transfer Engineering, 2007, 28, 31-37.	1.2	41
62	Durability of switching behaviour after outdoor exposure for a suspended particle device switchable glazing. Solar Energy Materials and Solar Cells, 2017, 163, 178-184.	3.0	41
63	Influence of atmospheric clearness on PDLC switchable glazing transmission. Energy and Buildings, 2018, 172, 257-264.	3.1	41
64	Performance of a campus photovoltaic electric vehicle charging station in a temperate climate. Solar Energy, 2019, 177, 762-771.	2.9	41
65	Optics of parabolic-trough, solar-energy collectors, possessing small concentration ratios. Solar Energy, 1987, 39, 541-550.	2.9	40
66	Experimental studies of integral-type natural-circulation solar-energy tropical crop dryers. Energy Conversion and Management, 1997, 38, 1483-1500.	4.4	40
67	Effect of sky clearness index on transmission of evacuated (vacuum) glazing. Renewable Energy, 2017, 105, 160-166.	4.3	40
68	Thermal modeling and experimental evaluation of five different photovoltaic modules integrated on prototype test cells with and without water flow. Energy Conversion and Management, 2018, 165, 219-235.	4.4	40
69	Detailed parametric analyses of heat transfer in CPC solar energy collectors. Solar Energy, 1993, 50, 321-338.	2.9	38
70	Using air flow to alleviate temperature elevation in solar cells within asymmetric compound parabolic concentrators. Solar Energy, 2007, 81, 173-184.	2.9	38
71	Heat retaining integrated collector/storage solar water heaters. Solar Energy, 2003, 75, 27-34.	2.9	37
72	Experimental comparison of alternative convection suppression arrangements for concentrating integral collector storage solar water heaters. Solar Energy, 2005, 78, 223-233.	2.9	35

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73	Full-energy-chain analysis of greenhouse gas emissions for solar thermal electric power generation systems. Renewable Energy, 1998, 15, 131-136.	4.3	34
74	Aqueous propylene-glycol concentrations for the freeze protection of thermosyphon solar energy water heaters. Solar Energy, 1991, 47, 375-382.	2.9	33
75	Power losses in an asymmetric compound parabolic photovoltaic concentrator. Solar Energy Materials and Solar Cells, 2007, 91, 1137-1146.	3.0	33
76	The effect of low insolation conditions and inverter oversizing on the long-term performance of a grid-connected photovoltaic system. Progress in Photovoltaics: Research and Applications, 2007, 15, 353-368.	4.4	33
77	Effect of sky conditions on light transmission through a suspended particle device switchable glazing. Solar Energy Materials and Solar Cells, 2017, 160, 134-140.	3.0	33
78	An enterprise energy-information system. Applied Energy, 2008, 85, 61-69.	5.1	32
79	Thermal performance analysis of an electrochromic vacuum glazing with low emittance coatings. Solar Energy, 2010, 84, 516-525.	2.9	32
80	Annual performance of heat retaining integrated collector/storage solar water heaters in a northern maritime climate. Solar Energy, 2001, 70, 391-401.	2.9	31
81	Techno-economic appraisal of an integrated collector/storage solar water heater. Renewable Energy, 2004, 29, 1503-1514.	4.3	31
82	Effect of atmospheric transmittance on performance of adaptive SPD-vacuum switchable glazing. Solar Energy Materials and Solar Cells, 2017, 161, 424-431.	3.0	31
83	Thermal and optical consequences of the introduction of baffles into compound parabolic concentrating solar energy collector cavities. Solar Energy, 1995, 55, 139-150.	2.9	30
84	Including embodied energy considerations at the conceptual stage of building design. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2006, 220, 271-288.	0.8	29
85	Effect of glass thickness on the thermal performance of evacuated glazing. Solar Energy, 2007, 81, 395-404.	2.9	29
86	Natural-circulation solar-energy stimulated systems for heating water. Applied Energy, 1982, 11, 167-196.	5.1	28
87	Response function for solar-energy collectors. Solar Energy, 1988, 40, 371-383.	2.9	28
88	Complex multimaterial insulating frames for windows with evacuated glazing. Solar Energy, 2005, 79, 245-261.	2.9	28
89	Diurnal performance of thermosyphonic solar water heatersâ€"An empirical prediction method. Solar Energy, 1987, 39, 257-265.	2.9	25
90	Anatomy of a solar collector. Refocus, 2006, 7, 32-35.	0.2	25

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91	Evaluation of a freeze resistant integrated collector/storage solar water-heater for northern Europe. Applied Energy, 2001, 68, 265-274.	5.1	24
92	Achieving thermal rectification in natural-circulation solar-energy water heaters. Applied Energy, 1983, 14, 211-225.	5.1	23
93	The experimental validation of a comprehensive unified model for optics and heat transfer in line-axis solar energy systems. Solar Energy, 2001, 71, 121-133.	2.9	23
94	Effects of seasonal weather variations on the measured performance of a natural-circulation solar-energy tropical crop dryer. Energy Conversion and Management, 1998, 39, 1265-1276.	4.4	22
95	Renewable electricity - what is the true cost?. Power Engineering Journal, 1999, 13, 6-12.	0.2	22
96	Comparison of hybridizing options for solar heat, biomass and heat storage for electricity generation in Spain. Energy Conversion and Management, 2020, 222, 113231.	4.4	22
97	Thermal resistance of a solar-energy collector absorber under a non-uniform flux distribution. International Journal of Heat and Mass Transfer, 1988, 31, 1103-1111.	2.5	21
98	A design nomogram for direct thermosyphon solar-energy water heaters. Solar Energy, 1989, 43, 85-95.	2.9	21
99	Utilization factor for building solar-heat gain for use in a simplified energy model. Applied Energy, 1999, 63, 227-239.	5.1	21
100	Variation of Insolation Transmission With Glazing Plane Position and Sky Conditions. Journal of Solar Energy Engineering, Transactions of the ASME, 2003, 125, 182-189.	1.1	21
101	Experimental Characterization and Detailed Performance Prediction of a Vacuum Glazing System Fabricated With a Low Temperature Metal Edge Seal, Using a Validated Computer Model. Journal of Solar Energy Engineering, Transactions of the ASME, 2006, 128, 199-203.	1.1	20
102	Energy Performance Certification: Misassessment due to assuming default heat losses. Energy and Buildings, 2020, 224, 110229.	3.1	20
103	A generalisable bottom-up methodology for deriving a residential stock model from large empirical databases. Energy and Buildings, 2020, 215, 109886.	3.1	20
104	Harnessing Solar Heat. Lecture Notes in Energy, 2014, , .	0.2	19
105	A novel approach towards investigating the performance of different PVT configurations integrated on test cells: An experimental study. Renewable Energy, 2019, 137, 93-108.	4.3	19
106	Energy savings across EU domestic building stock by optimizing hydraulic distribution in domestic space heating systems. Energy and Buildings, 2015, 91, 199-209.	3.1	18
107	The statistical relevance and effect of assuming pessimistic default overall thermal transmittance coefficients on dwelling energy performance certification quality in Ireland. Energy and Buildings, 2016, 127, 268-278.	3.1	18
108	Convective heat transfers within air spaces of compound parabolic concentrating solar-energy collectors. Applied Energy, 1987, 28, 123-135.	5.1	17

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109	Measured performances of curved inverted-Vee, absorber compound parabolic concentrating solar-energy collectors. Solar Energy, 1989, 43, 267-279.	2.9	17
110	Design and experiment of a new solar air heating collector. Energy, 2016, 100, 374-383.	4.5	17
111	A low-cost solar-energy stimulated absorption refrigerator for vaccine storage. Applied Energy, 1986, 25, 167-174.	5.1	16
112	Analytical and experimental methods for shadow-band correction factors for solarimeters on inclined planes under isotropically diffuse and overcast skies. Solar Energy, 1988, 40, 151-160.	2.9	16
113	Effect of inclination on the performance of CPC solar energy collectors. Renewable Energy, 1994, 5, 357-367.	4.3	16
114	The thermal performance of an electrochromic vacuum glazing with selected low-emittance coatings. Thin Solid Films, 2008, 516, 1074-1081.	0.8	16
115	Design of â€˜greenhousesâ€™: Thermal aspects. Applied Energy, 1984, 18, 49-82.	5.1	15
116	The annual number of days that solar heated water satisfies a specified demand temperature. Solar Energy, 2006, 80, 1021-1030.	2.9	15
117	Solar distillation systems: The state-of-the-art in design development and performance analysis. Renewable Energy, 1994, 5, 509-516.	4.3	14
118	Alternative approaches to thermosyphon solar-energy water heater performance analysis and characterisation. Renewable and Sustainable Energy Reviews, 2001, 5, 79-96.	8.2	14
119	Quarter-wave metal plate solar antenna. Electronics Letters, 2008, 44, 570.	0.5	14
120	Thermal energy refurbishment status of the Irish housing stock. Energy and Buildings, 2019, 202, 109348.	3.1	14
121	Briefing: The 2021 Glasgow Climate Pact: steps on the transition pathway towards a low carbon world. Proceedings of Institution of Civil Engineers: Energy, 2022, 175, 97-102.	0.5	14
122	Transmission and forward scattering of insolation through plastic (transparent and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (semi-t	2.9	13
123	Geographic Variation of Solar Water Heater Performance in Europe. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2006, 220, 395-407.	0.8	13
124	Development of a simulation tool to enable optimisation of the energy consumption of the industrial timber-drying process. Applied Energy, 1996, 53, 325-340.	5.1	12
125	A comparison of the analysis of the useful net solar gain for space heating, zone-by-zone and for a whole-building. Renewable Energy, 2000, 19, 435-442.	4.3	12
126	Design and performance characteristics of an innovative heat sink structure with phase change material for cooling of photovoltaic system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-25.	1.2	12

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127	Integrating paraffin phase change material in the storage tank of a solar water heater to maintain a consistent hot water output temperature. Sustainable Energy Technologies and Assessments, 2021, 47, 101350.	1.7	12
128	Optical performance of an asymmetric inverted absorber compound parabolic concentrating solar collector. Renewable Energy, 1996, 9, 576-579.	4.3	11
129	Useful solar heat gains in multi-zone non-domestic buildings as a function of orientation and thermal time constant. Renewable Energy, 2002, 27, 87-95.	4.3	11
130	A microstrip printed dipole solar antenna using polycrystalline silicon solar cells. , 2008, , .		11
131	Recent advances in natural-circulation, solar-energy water heater designs. Applied Energy, 1983, 15, 15-42.	5.1	10
132	Sensor system for aligning a single-axis tracker with direct solar insolation. Applied Energy, 1986, 25, 1-8.	5.1	10
133	Heat removal from a solar-energy collector with a heat-pipe absorber. Solar & Wind Technology, 1988, 5, 141-145.	0.2	10
134	Dynamic simulation of indirect thermosyphon solar energy water heaters. Renewable Energy, 1992, 2, 283-297.	4.3	10
135	A school building reclad with thermosyphoning air panels. Solar Energy, 1994, 52, 49-58.	2.9	10
136	An experimental procedure to determine solar energy flux distributions on the absorber of line-axis compound parabolic concentrators. Renewable Energy, 1999, 16, 761-764.	4.3	10
137	Appropriate energy efficient building envelope technologies for social housing in the Irish climate. Journal of Housing and the Built Environment, 2006, 21, 191-202.	0.9	10
138	Emitter-wrap-through photovoltaic dipole antenna with solar concentrator. Electronics Letters, 2009, 45, 241.	0.5	10
139	Industrial and Agricultural Applications of Solar Heat. , 2012, , 567-594.		10
140	Solar-energy stimulated, open-looped thermosyphonic air heaters. Applied Energy, 1984, 17, 217-234.	5.1	9
141	Thermal behaviours of vernacular buildings in the Yemen Arab Republic. Applied Energy, 1986, 24, 245-276.	5.1	9
142	Optimising the Performance of Cement-Based Batteries. Advances in Materials Science and Engineering, 2017, 2017, 1-14.	1.0	9
143	Briefing: Decarbonising buildings in Europe: a briefing paper. Proceedings of Institution of Civil Engineers: Energy, 2021, 174, 147-155.	0.5	9
144	Solar insolation upon the Yemen Arab Republic. Applied Energy, 1983, 15, 139-152.	5.1	8

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145	Measured performances of natural-circulation solar-energy water-heaters. Applied Energy, 1984, 16, 1-26.	5.1	8
146	Experimental analysis and performance of an asymmetric inverted absorber compound parabolic concentrating solar collector at various absorber gap configurations. Renewable Energy, 1997, 10, 235-238.	4.3	8
147	Inset-fed microstrip patch antenna with integrated polycrystalline photovoltaic solar cell. , 2007, , .		8
148	Thermophotovoltaic systems for achieving high-solar-fraction hybrid solar-biomass power generation. Applied Energy, 2020, 259, 114181.	5.1	8
149	Second law optimization of integral type natural circulation solar energy crop dryers. Energy Conversion and Management, 1994, 35, 973-983.	4.4	7
150	THE EARLY DESIGN MODEL FOR PREDICTION OF ENERGY AND COST PERFORMANCE OF BUILDING DESIGN OPTIONS. International Journal of Solar Energy, 2000, 20, 207-226.	0.2	7
151	Quantum dot solar concentrators: an investigation of various geometries. Proceedings of SPIE, 2007, , .	0.8	7
152	Heat removal from a triangular finned flat-plate solar-energy collector. Applied Energy, 1989, 34, 47-55.	5.1	6
153	Modelling line-axis solar concentrators in the medium temperature range. Renewable Energy, 1999, 16, 743-748.	4.3	6
154	Domestic energy use and air quality; a case study of the city of Belfast. Applied Energy, 2001, 68, 1-18.	5.1	6
155	Ray-trace modelling of reflectors for quantum dot solar concentrators. Proceedings of SPIE, 2007, , .	0.8	6
156	Influence of solar heating on the performance of integrated solar cell microstrip patch antennas. Solar Energy, 2010, 84, 1619-1627.	2.9	6
157	Solar Water Heaters: A Review of Systems Research and Design Innovation. Green, 2011, 1, .	0.4	6
158	Towards the harmonious integration of information technology in building design and construction. International Journal of Ambient Energy, 1995, 16, 95-109.	1.4	5
159	Energy and environmental life-cycle analysis of advanced windows. Renewable Energy, 1996, 8, 219-222.	4.3	5
160	CONVECTIVE HEAT TRANSFER CORRELATIONS FOR AN ENCLOSED HORIZONTAL COMPOUND PARABOLIC CAVITY SOLAR THERMAL COLLECTOR. International Journal of Solar Energy, 2000, 20, 161-175.	0.2	5
161	The reduction in errors associated with ultrasonic non-destructive testing of timber arising from differential pressure on and movement of transducers. Construction and Building Materials, 2006, 20, 841-848.	3.2	5
162	A simulation analysis of photovoltaic AC Module Integrated Converters in parallel, under controlled edge shading conditions. , 2012, , .		5

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163	Solar Thermal Systems â€“ Towards a Systematic Characterization of Building Integration. Energy Procedia, 2016, 91, 897-906.	1.8	5
164	Hosting a communityâ€based local electricity market in a residential network. IET Energy Systems Integration, 2022, 4, 448-459.	1.1	5
165	Thermosyphonic water heaters stimulated by renewable energy sources. Applied Energy, 1982, 12, 237-242.	5.1	4
166	Predicted performances of a proposed coffered solar pond. Applied Energy, 1984, 16, 283-306.	5.1	4
167	The effect of occupancy patterns on the long-term performance of roof-space solar-energy collectors on domestic dwellings in a Northern European climate. Solar Energy, 1996, 56, 143-150.	2.9	4
168	The state of the art in modelling line-axis concentrating solar energy collectors. Renewable Energy, 1996, 9, 562-567.	4.3	4
169	Technologies for Sustainable Buildings. , 2000, , 142-147.		4
170	Experimental characterisation of an asymmetric compound parabolic photovoltaic concentrator designed for building integration in the UK. International Journal of Ambient Energy, 2004, 25, 85-96.	1.4	4
171	Investigation on proximity-coupled microstrip integrated PV antenna. , 2007, , .		4
172	A metal plate solar antenna for UMTS pico-cell base station. , 2008, , .		4
173	On surface currents in a polycrystalline solar cell acting as ground plane for microstrip patch antennas. , 2008, , .		4
174	Simulation procedure for the co-optimization of photovoltaic water pumping systems. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 629-640.	0.8	4
175	Air-supported greenhouses. Applied Energy, 1987, 26, 245-313.	5.1	3
176	Flow distributions of the heat transfer fluid for E-W and N-S alignments of CPC solar energy collectors. Solar & Wind Technology, 1988, 5, 137-140.	0.2	3
177	PREDICTION OF SOLAR SAVINGS FRACTION FOR INTEGRAL PASSIVE SOLAR WATER HEATERS. International Journal of Solar Energy, 1995, 17, 41-49.	0.2	3
178	The fabrication and testing of a line-axis compound parabolic concentrating solar energy collector. Renewable Energy, 1996, 9, 572-575.	4.3	3
179	An asymmetric line-axis compound parabolic concentrating single basin solar still. Renewable Energy, 1996, 9, 737-740.	4.3	3
180	Measured effect of reflector augmentation of simple basin type pasive solar stills. International Journal of Ambient Energy, 2005, 26, 59-70.	1.4	3

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181	The Solar Energy Resource. Lecture Notes in Energy, 2014, , 9-38.	0.2	3
182	Scaling SOI photonics to micron and sub-micron devices. , 2005, , .		2
183	Simulation algorithm and validation of a photovoltaic water pumping system model using long-term field data. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 641-655.	0.8	2
184	Proximal femoral fractures in children and adolescents. Current Orthopaedic Practice, 2012, 23, 429-434.	0.1	2
185	Long-term field operation of photovoltaic solar water pumps. International Journal of Ambient Energy, 2018, 39, 467-476.	1.4	2
186	Use of Heat From, and Thermal Management of, Photovoltaics. Lecture Notes in Energy, 2014, , 115-122.	0.2	2
187	Characteristics of Different Systems for the Solar Drying of Crops. Green Energy and Technology, 2017, , 69-88.	0.4	2
188	Thermal insulation of a low capital cost solar-energy collector. Applied Energy, 1980, 6, 323-327.	5.1	1
189	Energy used domestically in the Yemen Arab Republic. Applied Energy, 1986, 24, 185-219.	5.1	1
190	Solar-energy harnessing performances of direct-gain and non-vented Trombe walls under yemeni weather conditions. Applied Energy, 1987, 26, 159-191.	5.1	1
191	Estimation of mean monthly daily total insolation from mean daily ambient temperature. International Journal of Ambient Energy, 1989, 10, 151-162.	1.4	1
192	Performance characterisation of front-pass thermosyphoning air panels. International Journal of Ambient Energy, 1993, 14, 3-16.	1.4	1
193	Surface coatings in the fight against corrosion. Aircraft Engineering and Aerospace Technology, 1995, 67, 7-8.	0.8	1
194	A data centre air flow model for predicting computer server inlet temperatures. , 2017, , .		1
195	Industrial and Agricultural Applications of Solar Heat. , 2021, , .		1
196	Solar Thermal Power Generation and Industrial Process Heat. Lecture Notes in Energy, 2014, , 123-143.	0.2	1
197	Solar Process Heat. , 2000, , 256-260.		1
198	Comparison of Vacuum Glazing Thermal Performance Predicted Using Two and Three Dimensional Models and Their Experimental Validation. , 2008, , .		1

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