

Georgios Kokogiannakis

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,782
citations

201385

27
h-index

174990

52
g-index

63
all docs

63
docs citations

63
times ranked

2696
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal insulation effect of green façades based on calculation of heat transfer and long wave infrared radiative exchange. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110555.	2.5	7
2	Development of temperature-responsive transmission switch film (TRTSF) using phase change material for self-adaptive radiative cooling. Applied Energy, 2022, 322, 119457.	5.1	9
3	Development of a Bayesian based adaptive optimisation algorithm for the thermostat settings in agile open plan offices. Energy and Buildings, 2021, 230, 110536.	3.1	2
4	Mould risk evaluations in residential buildings via site audits and longitudinal monitoring. Building and Environment, 2021, 191, 107584.	3.0	10
5	Mould risk assessments in remediated Australian residential buildings. , 2021, , .		0
6	Evaluation of thermal bridging mitigation techniques and impact of calculation methods for lightweight steel frame external wall systems. Journal of Building Engineering, 2021, 43, 102893.	1.6	12
7	Numerical thermal evaluation of laminated binary microencapsulated phase change material drywall systems. Building Simulation, 2020, 13, 89-98.	3.0	33
8	Above-roof air temperature effects on HVAC and cool roof performance: Experiments and development of a predictive model. Energy and Buildings, 2020, 222, 110071.	3.1	9
9	Recent advances and development in optimal design and control of ground source heat pump systems. Renewable and Sustainable Energy Reviews, 2020, 131, 110001.	8.2	56
10	A critical review of methods for the performance evaluation of passive thermal retrofits in residential buildings. Journal of Cleaner Production, 2020, 263, 121408.	4.6	27
11	Thermal Performance of Various Microencapsulated Phase Change Material Drywalls Integrated into Buildings: A Numerical Investigation by ESP-r. Environmental Science and Engineering, 2020, , 847-855.	0.1	0
12	Integrative modelling and optimisation of a desiccant cooling system coupled with a photovoltaic thermal-solar air heater. Solar Energy, 2019, 193, 929-947.	2.9	26
13	Microencapsulation of Paraffin with Poly (Urea Methacrylate) Shell for Solar Water Heater. Energies, 2019, 12, 3406.	1.6	11
14	Development and evaluation of a comfort-oriented control strategy for thermal management of mixed-mode ventilated buildings. Energy and Buildings, 2019, 202, 109347.	3.1	32
15	Optimisation of life cycle performance of a double-pass photovoltaic thermal-solar air heater with heat pipes. Renewable Energy, 2019, 138, 90-105.	4.3	24
16	Phase change material blind system for double skin façade integration: System development and thermal performance evaluation. Applied Energy, 2019, 252, 113376.	5.1	36
17	A numerical and experimental analysis of an integrated TEG-PCM power enhancement system for photovoltaic cells. Applied Energy, 2019, 248, 688-701.	5.1	99
18	Effect of design parameters on thermal performance of integrated phase change material blind system for double skin façade buildings. International Journal of Low-Carbon Technologies, 2019, 14, 286-293.	1.2	12

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19	A method of uncertainty analysis for whole-life embodied carbon emissions (CO ₂ -e) of building materials of a net-zero energy building in Australia. <i>Journal of Cleaner Production</i> , 2019, 225, 541-553.	4.6	98
20	Experimental comparison of green facades with outdoor test cells during a hot humid season. <i>Energy and Buildings</i> , 2019, 185, 196-209.	3.1	21
21	Integrated life cycle cost method for sustainable structural design by focusing on a benchmark office building in Australia. <i>Energy and Buildings</i> , 2018, 166, 525-537.	3.1	32
22	A model-based design optimization strategy for ground source heat pump systems with integrated photovoltaic thermal collectors. <i>Applied Energy</i> , 2018, 214, 178-190.	5.1	67
23	A multi-objective design optimisation strategy for hybrid photovoltaic thermal collector (PVT)-solar air heater (SAH) systems with fins. <i>Solar Energy</i> , 2018, 163, 315-328.	2.9	79
24	A model-based optimal control strategy for ground source heat pump systems with integrated solar photovoltaic thermal collectors. <i>Applied Energy</i> , 2018, 228, 1399-1412.	5.1	54
25	Nanosilicon dioxide hydrosol as surfactant for preparation of microencapsulated phase change materials for thermal energy storage in buildings. <i>International Journal of Low-Carbon Technologies</i> , 2018, 13, 301-310.	1.2	27
26	Thermal Comfort Evaluation of a Mixed-mode Ventilated Office Building with Advanced Natural Ventilation and Underfloor air Distribution Systems. <i>Energy Procedia</i> , 2017, 111, 520-529.	1.8	14
27	Linear regression models for prediction of annual heating and cooling demand in representative Australian residential dwellings. <i>Energy Procedia</i> , 2017, 121, 79-86.	1.8	21
28	Preparation of microencapsulated phase change materials (MEPCM) for thermal energy storage. <i>Energy Procedia</i> , 2017, 121, 95-101.	1.8	35
29	Relationship Between Indoor Air Temperatures And Energy Bills For Low Income Homes In Australia. <i>Energy Procedia</i> , 2017, 121, 174-181.	1.8	2
30	Numerical analysis of indoor thermal comfort in a cross-ventilated space with top-hung windows. <i>Energy Procedia</i> , 2017, 121, 222-229.	1.8	10
31	Heat transfer analysis of an integrated double skin facade and phase change material blind system. <i>Building and Environment</i> , 2017, 125, 111-121.	3.0	54
32	Ventilative cooling through automated window opening control systems to address thermal discomfort risk during the summer period: Framework, simulation and parametric analysis. <i>Energy and Buildings</i> , 2017, 153, 18-30.	3.1	26
33	Thermal characterization of lauric acid and stearic acid binary eutectic mixture in latent heat thermal storage systems with tube and fins. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 753-759.	0.4	7
34	Impact of structural design solutions on the energy and thermal performance of an Australian office building. <i>Building and Environment</i> , 2017, 124, 258-282.	3.0	27
35	Mapping for the Future: Business Intelligence Tool to Map Regional Housing Stock. <i>Procedia Engineering</i> , 2017, 180, 1684-1694.	1.2	5
36	Development of microencapsulated phase change material for solar thermal energy storage. <i>Applied Thermal Engineering</i> , 2017, 112, 1205-1212.	3.0	115

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37	Development of a dynamic model for a hybrid photovoltaic thermal collector “Solar air heater with fins. Renewable Energy, 2017, 101, 816-834.	4.3	63
38	Dynamic Exergy Analysis for the Thermal Storage Optimization of the Building Envelope. Energies, 2017, 10, 95.	1.6	12
39	A sensor fault detection strategy for air handling units using cluster analysis. Automation in Construction, 2016, 70, 77-88.	4.8	64
40	A decision tree based data-driven diagnostic strategy for air handling units. Energy and Buildings, 2016, 133, 37-45.	3.1	119
41	Incorporating environmental evaluation and thermal properties of concrete mix designs. Construction and Building Materials, 2016, 128, 422-435.	3.2	33
42	Development of a novel phase change material emulsion for cooling systems. Renewable Energy, 2016, 87, 509-516.	4.3	39
43	Review of phase change emulsions (PCMEs) and their applications in HVAC systems. Energy and Buildings, 2015, 94, 200-217.	3.1	89
44	Review of solid-liquid phase change materials and their encapsulation technologies. Renewable and Sustainable Energy Reviews, 2015, 48, 373-391.	8.2	677
45	Thermal evaluation of laminated composite phase change material gypsum board under dynamic conditions. Renewable Energy, 2015, 78, 448-456.	4.3	32
46	Simulating Thermochromic and Heat Mirror Glazing Systems in Hot and Cold Climates. Energy Procedia, 2014, 62, 22-31.	1.8	8
47	Numerical modeling and simulation of an integrated TEG/PCM system for the enhancement of PV power output. , 2014, , .		4
48	A combined experimental and simulation method for appraising the energy performance of green roofs in Ningbo’s Chinese climate. Building Simulation, 2014, 7, 13-20.	3.0	10
49	Support for the integration of green roof constructions within Chinese building energy performance policies. Energy, 2014, 65, 71-79.	4.5	18
50	Numerical and experimental analysis into the thermal performance of a novel phase change material gypsum board. , 2014, , .		1
51	Development of high melting temperature microencapsulated phase change material for compacted thermal energy storage bed. , 2014, , .		0
52	Thermal management systems for Photovoltaics (PV) installations: A critical review. Solar Energy, 2013, 97, 238-254.	2.9	203
53	Effectiveness of an intensive green roof in a sub-tropical region. Building Services Engineering Research and Technology, 2013, 34, 417-432.	0.9	6
54	Impact of material surface properties on building performance across a variety of climates. International Journal of Low-Carbon Technologies, 2012, 7, 181-186.	1.2	4

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55	Evaluation of energy saving potential of green roofs in sub-tropical regions. , 2011, , .		0
56	The role of Green Roofs on Reducing Heating and Cooling Loads: A Database across Chinese Climates. Procedia Environmental Sciences, 2011, 11, 604-610.	1.3	14
57	Theoretical and practical evaluation of an earth-tube (E-tube) ventilation system. Energy and Buildings, 2011, 43, 728-736.	3.1	70
58	Solar control: A general method for modelling of solar gains through complex facades in building simulation programs. Energy and Buildings, 2011, 43, 19-27.	3.1	35
59	Evaluation of an Earth-tube (E-tube) Ventilation System. , 2010, , .		0
60	History and development of validation with the ESP-r simulation program. Building and Environment, 2008, 43, 601-609.	3.0	122
61	Comparison of the simplified methods of the ISO 13790 standard and detailed modelling programs in a regulatory context. Journal of Building Performance Simulation, 2008, 1, 209-219.	1.0	59
62	Near-Roof Air Temperatures: Modelling the Implications for HVAC Performance and Cool Roofs. , 0, , .		0