

Steve Goodhew

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

966
citations

471509

17
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

941
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sustainable earth walls to meet the building regulations. <i>Energy and Buildings</i> , 2005, 37, 451-459. | 6.7 | 171 |
| 2 | Thermography methodologies for detecting energy related building defects. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 296-310. | 16.4 | 89 |
| 3 | Building defect detection: External versus internal thermography. <i>Building and Environment</i> , 2016, 105, 317-331. | 6.9 | 74 |
| 4 | Time-lapse thermography for building defect detection. <i>Energy and Buildings</i> , 2015, 92, 95-106. | 6.7 | 63 |
| 5 | An investigation of the moisture content in the walls of a straw-bale building. <i>Building and Environment</i> , 2004, 39, 1443-1451. | 6.9 | 50 |
| 6 | Making Heat Visible. <i>Environment and Behavior</i> , 2015, 47, 1059-1088. | 4.7 | 45 |
| 7 | Analysis of thermal-probe measurements using an iterative method to give sample conductivity and diffusivity data. <i>Applied Energy</i> , 2004, 77, 205-223. | 10.1 | 38 |
| 8 | Measured Indoor Temperatures, Thermal Comfort and Overheating Risk: Post-occupancy Evaluation of Low Energy Houses in the UK. <i>Energy Procedia</i> , 2016, 88, 714-720. | 1.8 | 38 |
| 9 | An investigation of the appropriateness of current methodologies for energy certification of Mediterranean housing. <i>Energy and Buildings</i> , 2016, 130, 210-218. | 6.7 | 36 |
| 10 | The perceived barriers to the inclusion of rainwater harvesting systems by UK house building companies. <i>Urban Water Journal</i> , 2010, 7, 257-265. | 2.1 | 35 |
| 11 | The potential for using geopolymers in the UK. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2013, 166, 195-203. | 1.1 | 31 |
| 12 | Thermal performance exploration of 3D printed cob. <i>Architectural Science Review</i> , 2019, 62, 230-237. | 2.2 | 28 |
| 13 | The feasibility of earth block masonry for building sustainable walling in the United Kingdom. <i>Journal of Building Appraisal</i> , 2010, 6, 99-108. | 0.4 | 23 |
| 14 | Development of a cost effective probe for the long term monitoring of straw bale buildings. <i>Building and Environment</i> , 2011, 46, 156-164. | 6.9 | 22 |
| 15 | Improving the visibility of energy use in home heating in England: Thermal images and the role of visual tailoring. <i>Energy Research and Social Science</i> , 2016, 14, 111-121. | 6.4 | 22 |
| 16 | Living wall systems for improved thermal performance of existing buildings. <i>Building and Environment</i> , 2022, 207, 108491. | 6.9 | 19 |
| 17 | The noise insulation properties of non-food-crop walling for schools and colleges: A case study. <i>Journal of Building Appraisal</i> , 2009, 5, 29-40. | 0.4 | 18 |
| 18 | Improving the thermal performance of earthen walls to satisfy current building regulations. <i>Energy and Buildings</i> , 2021, 240, 110873. | 6.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Earth construction: Field variabilities and laboratory reproducibility. <i>Construction and Building Materials</i> , 2022, 314, 125591. | 7.2 | 16 |
| 20 | Mental models: Exploring how people think about heat flows in the home. <i>Energy Research and Social Science</i> , 2017, 31, 145-157. | 6.4 | 12 |
| 21 | Novel Dual Walling Cob Building: Dynamic Thermal Performance. <i>Energies</i> , 2021, 14, 7663. | 3.1 | 9 |
| 22 | Briefing: Challenges related to straw bale construction. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2010, 163, 185-189. | 0.7 | 8 |
| 23 | The "Safety Gap"™ in buildings: Perceptions of Welsh Fire Safety Professionals. <i>Energy Procedia</i> , 2017, 134, 787-796. | 1.8 | 8 |
| 24 | Flexible learning in construction education: a building pathology case study. <i>Structural Survey</i> , 2004, 22, 242-250. | 1.0 | 7 |
| 25 | Validation of data analysis routines for a thermal probe apparatus using numerical data sets. <i>Building Simulation</i> , 2008, 1, 36-45. | 5.6 | 7 |
| 26 | Thermal Probe Technology for Buildings: Transition from Laboratory to Field Measurements. <i>Journal of Architectural Engineering</i> , 2008, 14, 111-118. | 1.6 | 7 |
| 27 | A New Methodology for the Selective Measurement of building Performance and Safety. <i>Energy Procedia</i> , 2017, 111, 338-346. | 1.8 | 7 |
| 28 | An assessment of the potential returns of energy certificates for the UK household sector. <i>Journal of Financial Management of Property and Construction</i> , 2008, 13, 187-199. | 1.4 | 6 |
| 29 | Building with earth: How we are working to revive an ancient, sustainable building technique. <i>Construction Research and Innovation</i> , 2019, 10, 105-108. | 0.2 | 6 |
| 30 | Sustainability of solid brick walls with retrofitted external hemp-lime insulation. <i>Structural Survey</i> , 2012, 30, 312-332. | 1.0 | 5 |
| 31 | Hospital ward temperatures related to hypothermic risk in orthopaedic patients. <i>Building Research and Information</i> , 2020, 48, 286-300. | 3.9 | 5 |
| 32 | Evolution and validation of a thermal probe model. <i>Journal of Building Performance Simulation</i> , 2009, 2, 85-94. | 2.0 | 4 |
| 33 | Identifying an appropriate approach to judge low carbon buildings. <i>Structural Survey</i> , 2011, 29, 436-446. | 1.0 | 4 |
| 34 | The Actual Performance of Aspiring Low Energy Social Houses in the United Kingdom. <i>Energy Procedia</i> , 2017, 105, 2181-2186. | 1.8 | 4 |
| 35 | Environmental Sustainability: Sustainable Construction Education " A UK Case Study. <i>International Journal of Environmental, Cultural, Economic and Social Sustainability</i> , 2007, 2, 9-22. | 0.1 | 4 |
| 36 | In Situ Thermal Conductivity Measurements of Building Materials with a Thermal Probe. <i>Journal of Testing and Evaluation</i> , 2010, 38, 339-346. | 0.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A comparative analysis of implementation of the Energy Performance of Buildings Directive in the Mediterranean. International Journal of Law in the Built Environment, 2013, 5, 222-240. | 0.5 | 3 |
| 38 | Thermal properties of cob retrofitted with external hemp lime. Proceedings of Institution of Civil Engineers: Construction Materials, 2017, 170, 55-67. | 1.1 | 3 |
| 39 | In-Construction Testing of the Thermal Performance of Dwellings Using Thermography. Smart Innovation, Systems and Technologies, 2012, , 307-318. | 0.6 | 3 |
| 40 | Investigating the sustainability of water management in Alwihat, Libya. , 2010, , | | 2 |
| 41 | The flexural strength of earth block masonry for sustainable walling. Structural Survey, 2011, 29, 46-62. | 1.0 | 1 |
| 42 | Engaging People with Energy Efficiency: A Randomised Controlled Trial Testing the Effects of Thermal Imaging Visuals in a Letter Communication. Sustainability, 2021, 13, 3543. | 3.2 | 1 |
| 43 | Earth Footprint of the Construction Phase of the Wales Institute for Sustainable Education at the Centre for Alternative Technology. International Journal of Sustainability Education, 2013, 8, 73-91. | 0.2 | 1 |
| 44 | Investigation into the Variations of Moisture Content of Two Buildings Constructed with Light Earth Walls. Journal of Architectural Engineering, 2005, 11, 147-155. | 1.6 | 0 |
| 45 | A Preliminary Case Study in the Built Environment Applying Smart Environment Techniques of Monitoring and Data Analysis. , 2011, , | | 0 |
| 46 | Assessment and performance evaluation of buildings and construction processes. , 2016, , 188-248. | | 0 |
| 47 | The practicalities of building with sustainable technologies. , 2016, , 270-312. | | 0 |
| 48 | Future of sustainable construction. , 2016, , 313-335. | | 0 |
| 49 | The Monitoring and Assessment of Indoor Environment and Domestic Electricity Use in a Preliminary Post-occupancy Case Study. Smart Innovation, Systems and Technologies, 2012, , 331-340. | 0.6 | 0 |