

# Umberto Berardi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

157  
papers

7,187  
citations

38  
h-index

82  
g-index

187  
ext. papers

8,785  
ext. citations

5.2  
avg, IF

7.45  
L-index

#	Paper	IF	Citations
157	The dependence of thermophysical and hygroscopic properties of macro-porous geopolymers on Si/Al. <i>Journal of Non-Crystalline Solids</i> , <b>2022</b> , 582, 121432	3.9	2
156	Single and Multi-phase Change Materials Used in Cooling Systems. <i>International Journal of Thermophysics</i> , <b>2022</b> , 43, 1	2.1	0
155	The effect of activator ratio on the thermal and hygric properties of aerated geopolymers. <i>Journal of Building Engineering</i> , <b>2022</b> , 45, 103414	5.2	1
154	Assessments of multiple operation strategies in a passive office Building in Cold Region of China. <i>Energy and Buildings</i> , <b>2022</b> , 254, 111561	7	2
153	Evaluation of mixed mode ventilation cooling energy saving potential in nZEB: A case study in Southern Italy. <i>E3S Web of Conferences</i> , <b>2022</b> , 343, 01004	0.5	
152	External shading form-finding: simulating daylighting and dynamic view access assessment. <i>Journal of Building Performance Simulation</i> , <b>2022</b> , 15, 398-409	2.8	1
151	The efficiency and GHG emissions of air source heat pumps under future climate scenarios across Canada. <i>Energy and Buildings</i> , <b>2022</b> , 262, 112000	7	0
150	Experimental evaluation of the cooling performance of radiant ceiling panels with thermal energy storage. <i>Energy and Buildings</i> , <b>2022</b> , 262, 112021	7	0
149	Experimental Assessment of the Thermal Conductivity of Basalt Fibres at High Temperatures. <i>Energies</i> , <b>2022</b> , 15, 2784	3.1	0
148	The efficiency of hybrid ventilation on cooling energy savings in NZEBs. <i>Journal of Building Engineering</i> , <b>2022</b> , 104401	5.2	1
147	Air quality and heat-related health impacts of increasing urban greenery cover <b>2022</b> , 269-300		
146	Salient parameters affecting the performance of foamed geopolymers as sustainable insulating materials. <i>Construction and Building Materials</i> , <b>2021</b> , 313, 125400	6.7	1
145	Thermal enhancement of windows performance by means of innovative technologies. <i>E3S Web of Conferences</i> , <b>2021</b> , 312, 02015	0.5	
144	Impacts of Ground Slope on Main Performance Figures of Solar Chimney Power Plants: A Comprehensive CFD Research with Experimental Validation. <i>International Journal of Photoenergy</i> , <b>2021</b> , 2021, 1-11	2.1	2
143	Energy retrofit of PCM-applied apartment buildings considering building orientation and height. <i>Energy</i> , <b>2021</b> , 222, 119877	7.9	15
142	Development of a performance-based design framework for multifunctional climate-responsive façades. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110589	7	8
141	Potential use of coconut fibre modified mortars to enhance thermal comfort in low-income housing. <i>Journal of Environmental Management</i> , <b>2021</b> , 277, 111503	7.9	20

140	Potential utility of HKUST-1-graphite nanocomposite to endow alkane with high thermal properties and low electrical resistivity. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123695	12.8	6
139	Numerical investigation of indoor thermal comfort and air quality for a multi-purpose hall with various shading and glazing ratios. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 22, 100812	3.6	4
138	The Coupling of the Weather Research and Forecasting Model with the Urban Canopy Models for Climate Simulations <b>2021</b> , 223-240		
137	Current and future coating technologies for architectural glazing applications. <i>Energy and Buildings</i> , <b>2021</b> , 244, 111022	7	16
136	Use of date palm waste fibers as sound absorption material. <i>Journal of Building Engineering</i> , <b>2021</b> , 41, 102752	5.2	13
135	Effects of climate changes on building energy demand and thermal comfort in Canadian office buildings adopting different temperature setpoints. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102725	5.2	11
134	Natural fibro-granular composite as a novel sustainable sound-absorbing material. <i>Applied Acoustics</i> , <b>2021</b> , 181, 108157	3.1	11
133	Development of microclimate modeling for enhancing neighborhood thermal performance through urban greenery cover. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111428	7	3
132	Experimental and modeling investigation of the acoustic behavior of sustainable kenaf/yucca composites. <i>Applied Acoustics</i> , <b>2021</b> , 183, 108332	3.1	6
131	Design and control of radiant ceiling panels incorporating phase change materials for cooling applications. <i>Applied Energy</i> , <b>2021</b> , 304, 117736	10.7	3
130	Modeling of an Aerogel-Based Thermal Break for Super-Insulated Window Frames. <i>Buildings</i> , <b>2020</b> , 10, 60	3.2	4
129	Optimizing the thermal performance of window frames through aerogel-enhancements. <i>Applied Energy</i> , <b>2020</b> , 266, 114776	10.7	13
128	Development and thermal-optical characterization of a cementitious plaster with phase change materials and thermochromic paint. <i>Solar Energy</i> , <b>2020</b> , 205, 282-291	6.8	14
127	A Smart Hybrid Energy System Grid for Energy Efficiency in Remote Areas for the Army. <i>Energies</i> , <b>2020</b> , 13, 2279	3.1	11
126	Microclimate Analysis as a Design Driver of Architecture. <i>Climate</i> , <b>2020</b> , 8, 72	3.1	7
125	Novel Simulation Algorithm for Modeling the Hysteresis of Phase Change Materials. <i>Energies</i> , <b>2020</b> , 13, 1200	3.1	13
124	A simulation-based model for courtyard housing design based on adaptive thermal comfort. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101335	5.2	19
123	Measurement, modeling, and optimization of sound absorption performance of Kenaf fibers for building applications. <i>Building and Environment</i> , <b>2020</b> , 180, 107087	6.5	31

122	Power consumption and energy efficiency of VRF system based on large scale monitoring virtual sensors. <i>Building Simulation</i> , <b>2020</b> , 13, 1145-1156	3.9	10
121	Circular reutilization of coffee waste for sound absorbing panels: A perspective on material recycling. <i>Environmental Research</i> , <b>2020</b> , 184, 109281	7.9	24
120	An overview of and introduction to current researches on super insulating materials for high-performance buildings. <i>Energy and Buildings</i> , <b>2020</b> , 214, 109890	7	15
119	Comparing urban canopy models for microclimate simulations in Weather Research and Forecasting Models. <i>Sustainable Cities and Society</i> , <b>2020</b> , 55, 102025	10.1	25
118	Phase change materials stabilized by porous metal supramolecular gels: Gelation effect on loading capacity and thermal performance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124806	14.7	17
117	Analysis of the cooling effects of higher albedo surfaces during heat waves coupling the Weather Research and Forecasting model with building energy models. <i>Energy and Buildings</i> , <b>2020</b> , 207, 109627	7	31
116	Assessing the impact of climate change on building heating and cooling energy demand in Canada. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 121, 109681	16.2	77
115	Is atrium an ideal form for daylight in buildings?. <i>Architectural Science Review</i> , <b>2020</b> , 63, 47-62	2.6	7
114	Moisture control strategies of habitable basements in cold climates. <i>Building and Environment</i> , <b>2020</b> , 169, 106572	6.5	8
113	Preparation and assessment of the potential energy savings of thermochromic and cool coatings considering inter-building effects. <i>Solar Energy</i> , <b>2020</b> , 209, 493-504	6.8	21
112	The influence of moisture on the energy performance of retrofitted walls. <i>MATEC Web of Conferences</i> , <b>2020</b> , 322, 01035	0.3	2
111	Day-ahead prediction of hourly subentry energy consumption in the building sector using pattern recognition algorithms. <i>Energy</i> , <b>2020</b> , 211, 118530	7.9	11
110	Investigation of the impacts of microclimate on PV energy efficiency and outdoor thermal comfort. <i>Sustainable Cities and Society</i> , <b>2020</b> , 62, 102402	10.1	9
109	The acoustic of Roman theatres in Southern Italy and some reflections for their modern uses. <i>Applied Acoustics</i> , <b>2020</b> , 170, 107530	3.1	10
108	Experimental and numerical investigation of the thermal transmittance of PVC window frames with silica aerogel. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101665	5.2	5
107	Enhancing the cooling potential of a solar-assisted desiccant cooling system by ground source free cooling. <i>Building Simulation</i> , <b>2020</b> , 13, 1125-1144	3.9	7
106	Effects of greenery enhancements for the resilience to heat waves: A comparison of analysis performed through mesoscale (WRF) and microscale (Envi-met) modeling. <i>Science of the Total Environment</i> , <b>2020</b> , 747, 141300	10.2	28
105	The acoustics of ancient catacombs in Southern Italy. <i>Building Acoustics</i> , <b>2020</b> , 1351010X2096757	1	7

104	Experimental verification of the theoretical aging of vacuum insulated panels. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 90, 300-304	6.3	10
103	Impact of Stationary and Dynamic Conditions on the U-Value Measurements of Heavy-Multi Leaf Walls by Quantitative IRT. <i>Energies</i> , <b>2020</b> , 13, 6611	3.1	2
102	Microstructural analysis and blowing agent concentration in aged polyurethane and polyisocyanurate foams. <i>Applied Thermal Engineering</i> , <b>2020</b> , 164, 114440	5.8	26
101	Microstructure and thermal characterization of aerogel-graphite polyurethane spray-foam composite for high efficiency thermal energy utilization. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 397, 122656	12.8	14
100	Characterization of commercial aerogel-enhanced blankets obtained with supercritical drying and of a new ambient pressure drying blanket. <i>Energy and Buildings</i> , <b>2019</b> , 198, 542-552	7	25
99	The impact of aging and environmental conditions on the effective thermal conductivity of several foam materials. <i>Energy</i> , <b>2019</b> , 182, 777-794	7.9	39
98	Assessing the effect of night ventilation on PCM performance in high-rise residential buildings. <i>Journal of Building Physics</i> , <b>2019</b> , 43, 229-249	2.6	20
97	Acoustic Enhancement of a Modern Church. <i>Buildings</i> , <b>2019</b> , 9, 83	3.2	10
96	Thermal bridges of metal fasteners for aerogel-enhanced blankets. <i>Energy and Buildings</i> , <b>2019</b> , 185, 307-315	3.1	23
95	Analyzing the thermal comfort conditions of outdoor spaces in a university campus in Kuala Lumpur, Malaysia. <i>Science of the Total Environment</i> , <b>2019</b> , 666, 1327-1345	10.2	43
94	Assessment of the noise produced by wind farms with the acoustically analogous techniques without stopping the noise source. <i>Wind Engineering</i> , <b>2019</b> , 43, 201-209	1.2	1
93	Application of probabilistic approaches to the performance evaluation of building envelopes to withstand mould growth. <i>Journal of Building Physics</i> , <b>2019</b> , 43, 187-207	2.6	7
92	Properties of concretes enhanced with phase change materials for building applications. <i>Energy and Buildings</i> , <b>2019</b> , 199, 402-414	7	67
91	Assessment of recycled ceramic-based inorganic insulation for improving energy efficiency and flame retardancy of buildings. <i>Environment International</i> , <b>2019</b> , 130, 104900	12.9	11
90	Light transmittance characterization and energy-saving analysis of a new selective coating for in situ window retrofit. <i>Science and Technology for the Built Environment</i> , <b>2019</b> , 25, 1152-1163	1.8	6
89	Performance investigation of ground source heat exchanger with desiccant-based hybrid cooling system in humid climate. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 052002	0.4	4
88	Performance of VRF systems based on large scale monitoring. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 052012	0.4	1
87	Analysis of the energy and thermal performance of a radiant cooling panel system with integrated phase change materials in very hot and humid conditions. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 052025	0.4	2

86	Biochar from residual biomass as a concrete filler for improved thermal and acoustic properties. <i>Biomass and Bioenergy</i> , <b>2019</b> , 120, 77-83	5.3	70
85	Experimental investigation of latent heat thermal energy storage using PCMs with different melting temperatures for building retrofit. <i>Energy and Buildings</i> , <b>2019</b> , 185, 180-195	7	69
84	Parametric design to minimize the embodied GHG emissions in a ZEB. <i>Energy and Buildings</i> , <b>2018</b> , 167, 106-123	7	51
83	A data-driven approach for building energy benchmarking using the Lorenz curve. <i>Energy and Buildings</i> , <b>2018</b> , 169, 319-331	7	26
82	Benefits of latent thermal energy storage in the retrofit of Canadian high-rise residential buildings. <i>Building Simulation</i> , <b>2018</b> , 11, 709-723	3.9	26
81	Long-term thermal conductivity of aerogel-enhanced insulating materials under different laboratory aging conditions. <i>Energy</i> , <b>2018</b> , 147, 1188-1202	7.9	68
80	The benefits of light shelves over the daylight illuminance in office buildings in Toronto. <i>Indoor and Built Environment</i> , <b>2018</b> , 27, 244-262	1.8	25
79	The effect of pavement characteristics on pedestrians' thermal comfort in Toronto. <i>Urban Climate</i> , <b>2018</b> , 24, 449-459	6.8	79
78	Hygrothermal characteristics of aerogel-enhanced insulating materials under different humidity and temperature conditions. <i>Energy and Buildings</i> , <b>2018</b> , 158, 698-711	7	70
77	On the Effects of Variation of Thermal Conductivity in Buildings in the Italian Construction Sector. <i>Energies</i> , <b>2018</b> , 11, 872	3.1	47
76	Evaluating highly insulated walls to withstand biodeterioration: A probabilistic-based methodology. <i>Energy and Buildings</i> , <b>2018</b> , 177, 112-124	7	11
75	Intelligent or smart cities and buildings: a critical exposition and a way forward. <i>Intelligent Buildings International</i> , <b>2018</b> , 10, 122-129	1.7	24
74	Aerogel-enhanced systems for building energy retrofits: Insights from a case study. <i>Energy and Buildings</i> , <b>2018</b> , 159, 370-381	7	62
73	Thermal characterization of different graphite polystyrene. <i>International Review of Applied Sciences and Engineering</i> , <b>2018</b> , 9, 163-168	0.3	15
72	Design and Modelling of Permanent Magnet Fault Current Limiter For Electrical Power Applications <b>2018</b> ,		1
71	Effects of aging on retro-reflective materials for building applications. <i>Energy and Buildings</i> , <b>2018</b> , 179, 121-132	7	19
70	A cross-country comparison of the building energy consumptions and their trends. <i>Resources, Conservation and Recycling</i> , <b>2017</b> , 123, 230-241	11.9	269
69	Day-ahead prediction of hourly electric demand in non-stationary operated commercial buildings: A clustering-based hybrid approach. <i>Energy and Buildings</i> , <b>2017</b> , 148, 228-237	7	22

68	The impact of the temperature dependent thermal conductivity of insulating materials on the effective building envelope performance. <i>Energy and Buildings</i> , <b>2017</b> , 144, 262-275	7	92
67	The Energy Saving and Indoor Comfort Improvements with Latent Thermal Energy Storage in Building Retrofits in Canada. <i>Energy Procedia</i> , <b>2017</b> , 111, 462-471	2.3	18
66	The Acoustic Characterization of Broom Fibers. <i>Journal of Natural Fibers</i> , <b>2017</b> , 14, 858-863	1.8	51
65	Hygrothermal performance of hempcrete for Ontario (Canada) buildings. <i>Journal of Cleaner Production</i> , <b>2017</b> , 142, 3655-3664	10.3	32
64	The benefits of using aerogel-enhanced systems in building retrofits. <i>Energy Procedia</i> , <b>2017</b> , 134, 626-635.	3	16
63	The impact of temperature dependency of the building insulation thermal conductivity in the Canadian climate. <i>Energy Procedia</i> , <b>2017</b> , 132, 237-242	2.3	14
62	The Acoustics of the Double Elliptical Vault of the Royal Palace of Caserta (Italy). <i>Buildings</i> , <b>2017</b> , 7, 18	3.2	6
61	The Acoustic of Cumaean Sibyl <b>2017</b> ,		2
60	Water-to-air-heat exchanger and indirect evaporative cooling in buildings with green roofs. <i>Energy and Buildings</i> , <b>2017</b> , 151, 406-417	7	31
59	Predicting the sound absorption of natural materials: Best-fit inverse laws for the acoustic impedance and the propagation constant. <i>Applied Acoustics</i> , <b>2017</b> , 115, 131-138	3.1	131
58	Design and modelling techniques of permanent magnet fault current limiter. <i>Energy Procedia</i> , <b>2017</b> , 134, 616-625	2.3	3
57	Permanent magnet fault current limiter for the power grid. <i>Energy Procedia</i> , <b>2017</b> , 134, 768-775	2.3	3
56	Experimental investigation of latent thermal energy storage in high-rise residential buildings in Toronto. <i>Energy Procedia</i> , <b>2017</b> , 132, 249-254	2.3	8
55	Long-term performance of aerogel-enhanced materials. <i>Energy Procedia</i> , <b>2017</b> , 132, 303-308	2.3	17
54	From high-energy demands to nZEB: the retrofit of a school in Catalonia, Spain. <i>Energy Procedia</i> , <b>2017</b> , 140, 141-150	2.3	16
53	Target-oriented Benchmarking of Regional Building Energy Consumption Based on the Lorenz Curve. <i>Procedia Engineering</i> , <b>2017</b> , 205, 879-886		2
52	Additive manufacturing for minimizing vibration damages in the water-stop tray of washing machines. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2017</b> , 36, 193-199	1.5	2
51	Acoustic virtual reconstruction of the Roman theater of Posillipo, Naples <b>2017</b> ,		4

50	Comparing the effects of urban heat island mitigation strategies for Toronto, Canada. <i>Energy and Buildings</i> , <b>2016</b> , 114, 2-19	7	243
49	The adoption of green roofs for the retrofitting of existing buildings in the Mediterranean climate. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2016</b> , 7, 116-129		33
48	The outdoor microclimate benefits and energy saving resulting from green roofs retrofits. <i>Energy and Buildings</i> , <b>2016</b> , 121, 217-229	7	159
47	What is an intelligent building? Analysis of recent interpretations from an international perspective. <i>Architectural Science Review</i> , <b>2016</b> , 59, 338-357	2.6	58
46	Exploring the advantages and challenges of double-skin façades (DSFs). <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 60, 1052-1065	16.2	102
45	Design and Application of Concrete Tiles Enhanced with Microencapsulated Phase-Change Material. <i>Journal of Architectural Engineering</i> , <b>2016</b> , 22, 05015003	1.5	17
44	Acoustic Intervention in a Cultural Heritage: The Chapel of the Royal Palace in Caserta, Italy. <i>Buildings</i> , <b>2016</b> , 6, 1	3.2	31
43	The Effect of a Denser City over the Urban Microclimate: The Case of Toronto. <i>Sustainability</i> , <b>2016</b> , 8, 822	3.6	37
42	Characterization of sheep wool panels for room acoustic applications <b>2016</b> ,		19
41	Virtual reconstruction of the historical acoustics of the Odeon of Pompeii. <i>Journal of Cultural Heritage</i> , <b>2016</b> , 19, 555-566	2.9	27
40	Beneath the smart city: dichotomy between sustainability and competitiveness. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2015</b> , 6, 140-156		51
39	Building Energy Consumption in US, EU, and BRIC Countries. <i>Procedia Engineering</i> , <b>2015</b> , 118, 128-136		66
38	The Urban Heat Island Effect in the City of Toronto. <i>Procedia Engineering</i> , <b>2015</b> , 118, 137-144		29
37	A Revised Sound Energy Theory Based on a New Formula for the Reverberation Radius in Rooms with Non-Diffuse Sound Field. <i>Archives of Acoustics</i> , <b>2015</b> , 40, 33-40		2
36	Thermal and Fire Characteristics of FRP Composites for Architectural Applications. <i>Polymers</i> , <b>2015</b> , 7, 2276-2289	4.5	32
35	The development of a monolithic aerogel glazed window for an energy retrofitting project. <i>Applied Energy</i> , <b>2015</b> , 154, 603-615	10.7	107
34	Acoustic characterization of natural fibers for sound absorption applications. <i>Building and Environment</i> , <b>2015</b> , 94, 840-852	6.5	302
33	Influence of Natural Ventilation on the Thermal Behavior of a Massive Building. <i>Energy Procedia</i> , <b>2015</b> , 78, 1287-1292	2.3	6



32	Analysis of the Impacts of Light Shelves on the Useful Daylight Illuminance in Office Buildings in Toronto. <i>Energy Procedia</i> , <b>2015</b> , 78, 1793-1798	2.3	30
31	A post occupancy evaluation framework for LEED certified U.S. higher education residence halls. <i>Procedia Engineering</i> , <b>2015</b> , 118, 19-27		32
30	Development of Glazing Systems with Silica Aerogel. <i>Energy Procedia</i> , <b>2015</b> , 78, 394-399	2.3	17
29	A comparison between environmental sustainability rating systems LEED and ITACA for residential buildings. <i>Building and Environment</i> , <b>2015</b> , 86, 98-108	6.5	84
28	Thermal performance characteristics of unshaded courtyards in hot and humid climates. <i>Building and Environment</i> , <b>2015</b> , 87, 154-168	6.5	147
27	Sustainability assessments of buildings, communities, and cities <b>2015</b> , 497-545		20
26	Smart Cities: Definitions, Dimensions, Performance, and Initiatives. <i>Journal of Urban Technology</i> , <b>2015</b> , 22, 3-21	5.9	1444
25	State-of-the-art analysis of the environmental benefits of green roofs. <i>Applied Energy</i> , <b>2014</b> , 115, 411-428	6.7	413
24	Comfort and energy savings with active green roofs. <i>Energy and Buildings</i> , <b>2014</b> , 82, 492-504	7	109
23	Fire Performance Assessment of a Fiber Reinforced Polymer Wall Panel Used in a Single Family Dwelling. <i>Fire Technology</i> , <b>2014</b> , 50, 1607-1617	3	13
22	Simulation of acoustical parameters in rectangular churches. <i>Journal of Building Performance Simulation</i> , <b>2014</b> , 7, 1-16	2.8	36
21	What can we learn from Malay vernacular houses?. <i>Sustainable Cities and Society</i> , <b>2014</b> , 13, 157-170	10.1	32
20	Acoustics and Lighting Education in Architectural Engineering: Experience of WPI. <i>Journal of Architectural Engineering</i> , <b>2014</b> , 20, 05013003	1.5	1
19	Daylighting in an atrium-type high performance house. <i>Building and Environment</i> , <b>2014</b> , 76, 92-104	6.5	46
18	How can cities lead the way towards a sustainable, competitive and smart future? <b>2014</b> ,		10
17	Clarifying the new interpretations of the concept of sustainable building. <i>Sustainable Cities and Society</i> , <b>2013</b> , 8, 72-78	10.1	184
16	Modelling and testing of a dielectric electro-active polymer (DEAP) actuator for active vibration control. <i>Journal of Mechanical Science and Technology</i> , <b>2013</b> , 27, 1-7	1.6	30
15	Stakeholders' Influence on the adoption of energy-saving technologies in Italian homes. <i>Energy Policy</i> , <b>2013</b> , 60, 520-530	7.2	95

14	Sustainability assessment of urban communities through rating systems. <i>Environment, Development and Sustainability</i> , <b>2013</b> , 15, 1573-1591	4.5	137
13	The essence of future smart houses: From embedding ICT to adapting to sustainability principles. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 24, 593-607	16.2	74
12	Sustainable energy performances of green buildings: A review of current theories, implementations and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 25, 1-17	16.2	232
11	The position of the instruments for the sound insulation measurement of building facades: From ISO 140-5 to ISO 16283-3. <i>Noise Control Engineering Journal</i> , <b>2013</b> , 61, 70-80	0.6	6
10	Moving to Sustainable Buildings: <b>2013</b> ,		5
9	Sustainability Assessment in the Construction Sector: Rating Systems and Rated Buildings. <i>Sustainable Development</i> , <b>2012</b> , 20, 411-424	6.7	217
8	Green Buildings and Organizational Changes in Italian Case Studies. <i>Business Strategy and the Environment</i> , <b>2012</b> , 21, 387-400	8.6	54
7	A multi-integrated renewable energy system in a commercial building in Beijing: lessons learnt from an operating analysis. <i>International Journal of Low-Carbon Technologies</i> , <b>2012</b> , 7, 192-198	2.8	3
6	A Comparison of Measurement Standard Methods for the Sound Insulation of Building Façades. <i>Building Acoustics</i> , <b>2012</b> , 19, 267-282	1	3
5	A Double Synthetic Index to Evaluate the Acoustics of Churches. <i>Archives of Acoustics</i> , <b>2012</b> , 37, 521-528		23
4	Beyond Sustainability Assessment Systems: Upgrading Topics by Enlarging The Scale of Assessment. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2011</b> , 2, 276-282		52
3	Interference effects in field measurements of airborne sound insulation of building facades. <i>Noise Control Engineering Journal</i> , <b>2011</b> , 59, 165	0.6	9
2	A comparative analysis of acoustic energy models for churches. <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 126, 1838-49	2.2	26
1	Optimization and Modeling of Sound-Absorption Properties of Natural Fibers for Acoustical Application. <i>Journal of Natural Fibers</i> , 1-17	1.8	4