

Franco Cotana

List of Publications by Year in descending order

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163
papers

6,375
citations

46918

47
h-index

85405

71
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165
all docs

165
docs citations

165
times ranked

6627
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of nanocrystalline cellulose from lignocellulosic biomass: Technology and applications. Carbohydrate Polymers, 2013, 94, 154-169.	5.1	918
2	Environmental effects on natural frequencies of the San Pietro bell tower in Perugia, Italy, and their removal for structural performance assessment. Mechanical Systems and Signal Processing, 2017, 82, 307-322.	4.4	147
3	Inter-building effect: Simulating the impact of a network of buildings on the accuracy of building energy performance predictions. Building and Environment, 2012, 58, 37-45.	3.0	128
4	The thermal effect of an innovative cool roof on residential buildings in Italy: Results from two years of continuous monitoring. Energy and Buildings, 2014, 69, 154-164.	3.1	128
5	Multifunctional smart concretes with novel phase change materials: Mechanical and thermo-energy investigation. Applied Energy, 2018, 212, 1448-1461.	5.1	107
6	On an innovative integrated technique for energy refurbishment of historical buildings: Thermal-energy, economic and environmental analysis of a case study. Applied Energy, 2016, 162, 1313-1322.	5.1	101
7	Lignin as Co-product of Second Generation Bioethanol Production from Ligno-cellulosic Biomass. Energy Procedia, 2014, 45, 52-60.	1.8	99
8	A method for assessing buildings' energy efficiency by dynamic simulation and experimental activity. Applied Energy, 2012, 97, 419-429.	5.1	97
9	Albedo control as an effective strategy to tackle Global Warming: A case study. Applied Energy, 2014, 130, 641-647.	5.1	95
10	Multipurpose characterization of glazing systems with silica aerogel: In-field experimental analysis of thermal-energy, lighting and acoustic performance. Building and Environment, 2014, 81, 92-102.	3.0	94
11	Innovative panels with recycled materials: Thermal and acoustic performance and Life Cycle Assessment. Applied Energy, 2014, 134, 150-162.	5.1	89
12	The Impact of Albedo Increase to Mitigate the Urban Heat Island in Terni (Italy) Using the WRF Model. Sustainability, 2016, 8, 999.	1.6	89
13	Evaluation of albedo enhancement to mitigate impacts of urban heat island in Rome (Italy) using WRF meteorological model. Urban Climate, 2018, 24, 551-566.	2.4	87
14	On the thermal and visual pedestrians' perception about cool natural stones for urban paving: A field survey in summer conditions. Building and Environment, 2016, 107, 198-214.	3.0	84
15	Unsteady simulation of energy performance and thermal comfort in non-residential buildings. Building and Environment, 2013, 59, 482-491.	3.0	82
16	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. Renewable Energy, 2018, 118, 825-839.	4.3	81
17	On the effect of summer heatwaves and urban overheating on building thermal-energy performance in central Italy. Sustainable Cities and Society, 2017, 28, 187-200.	5.1	76
18	Multipurpose experimental characterization of smart nanocomposite cement-based materials for thermal-energy efficiency and strain-sensing capability. Solar Energy Materials and Solar Cells, 2017, 161, 77-88.	3.0	75

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19	Outdoor comfort conditions in urban areas: On citizensâ€™ perspective about microclimate mitigation of urban transit areas. Sustainable Cities and Society, 2018, 39, 16-36.	5.1	73
20	Co-combustion performance and kinetic study of solid digestate with gasification biochar. Renewable Energy, 2018, 121, 597-605.	4.3	71
21	A comparison between SHF and SSSF processes from cardoon for ethanol production. Industrial Crops and Products, 2015, 69, 424-432.	2.5	70
22	Experimental in-lab and in-field analysis of waterproof membranes for cool roof application and urban heat island mitigation. Energy and Buildings, 2016, 114, 180-190.	3.1	67
23	Production of Bioethanol in a Second Generation Prototype from Pine Wood Chips. Energy Procedia, 2014, 45, 42-51.	1.8	66
24	Adaptive measures for mitigating urban heat islands: The potential of thermochromic materials to control roofing energy balance. Applied Energy, 2019, 247, 155-170.	5.1	65
25	Active cool roof effect: impact of cool roofs on cooling system efficiency. Advances in Building Energy Research, 2013, 7, 209-221.	1.1	64
26	Experimental Analysis of Natural Gravel Covering as Cool Roofing and Cool Pavement. Sustainability, 2014, 6, 4706-4722.	1.6	64
27	Clathrate Hydrates for Thermal Energy Storage in Buildings: Overview of Proper Hydrate-Forming Compounds. Sustainability, 2014, 6, 6815-6829.	1.6	63
28	How outdoor microclimate mitigation affects building thermal-energy performance: A new design-stage method for energy saving in residential near-zero energy settlements in Italy. Renewable Energy, 2018, 127, 920-935.	4.3	63
29	Optimization of torrefaction conditions of coffee industry residues using desirability function approach. Waste Management, 2018, 73, 523-534.	3.7	61
30	Thermal-physics and energy performance of an innovative green roof system: The Cool-Green Roof. Solar Energy, 2015, 116, 337-356.	2.9	60
31	Summer and Winter Effect of Innovative Cool Roof Tiles on the Dynamic Thermal Behavior of Buildings. Energies, 2014, 7, 2343-2361.	1.6	58
32	Effect of dynamic characteristics of building envelope on thermal-energy performance in winter conditions: In field experiment. Energy and Buildings, 2014, 80, 218-230.	3.1	57
33	Thermal stress reduction in cool roof membranes using phase change materials (PCM). Energy and Buildings, 2018, 158, 1097-1105.	3.1	57
34	How subjective and non-physical parameters affect occupantsâ€™ environmental comfort perception. Energy and Buildings, 2018, 178, 107-129.	3.1	57
35	A Building Energy Efficiency Optimization Method by Evaluating the Effective Thermal Zones Occupancy. Energies, 2012, 5, 5257-5278.	1.6	56
36	Expanding Inter-Building Effect modeling to examine primary energy for lighting. Energy and Buildings, 2014, 76, 513-523.	3.1	55

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37	Influence of human behavior on cool roof effect for summer cooling. <i>Building and Environment</i> , 2015, 88, 116-128.	3.0	55
38	Water and Carbon Footprint of Wine: Methodology Review and Application to a Case Study. <i>Sustainability</i> , 2016, 8, 621.	1.6	55
39	On the Evaluation of Solar Greenhouse Efficiency in Building Simulation during the Heating Period. <i>Energies</i> , 2012, 5, 1864-1880.	1.6	54
40	Environmental Impact of Industrial Prefabricated Buildings: Carbon and Energy Footprint Analysis Based on an LCA Approach. <i>Energy Procedia</i> , 2014, 61, 2841-2844.	1.8	52
41	The Water Footprint of the Wine Industry: Implementation of an Assessment Methodology and Application to a Case Study. <i>Sustainability</i> , 2015, 7, 12190-12208.	1.6	51
42	Thermal-energy analysis of natural "cool" stone aggregates as passive cooling and global warming mitigation technique. <i>Urban Climate</i> , 2015, 14, 301-314.	2.4	50
43	A carbon footprint and energy consumption assessment methodology for UHI-affected lighting systems in built areas. <i>Energy and Buildings</i> , 2016, 114, 96-103.	3.1	50
44	Development of Clay Tile Coatings for Steep-Sloped Cool Roofs. <i>Energies</i> , 2013, 6, 3637-3653.	1.6	49
45	Pyrolysis of pellets made with biomass and glycerol: Kinetic analysis and evolved gas analysis. <i>Biomass and Bioenergy</i> , 2017, 97, 11-19.	2.9	49
46	PCM for improving polyurethane-based cool roof membranes durability. <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 34-42.	3.0	48
47	An energy-balanced analytic model for urban heat canyons: comparison with experimental data. <i>Advances in Building Energy Research</i> , 2013, 7, 222-234.	1.1	47
48	Carbon and energy footprint of the hydrate-based biogas upgrading process integrated with CO ₂ valorization. <i>Science of the Total Environment</i> , 2018, 615, 404-411.	3.9	47
49	Evaluation of Green Buildings™ Overall Performance through in Situ Monitoring and Simulations. <i>Energies</i> , 2013, 6, 6525-6547.	1.6	45
50	The hygrothermal performance of residential buildings at urban and rural sites: Sensible and latent energy loads and indoor environmental conditions. <i>Energy and Buildings</i> , 2017, 152, 792-803.	3.1	45
51	Carbon and Energy Footprints of Prefabricated Industrial Buildings: A Systematic Life Cycle Assessment Analysis. <i>Energies</i> , 2015, 8, 12685-12701.	1.6	43
52	One-pot lignin extraction and modification in Î ³ -valerolactone from steam explosion pre-treated lignocellulosic biomass. <i>Journal of Cleaner Production</i> , 2017, 151, 152-162.	4.6	43
53	Experimental thermo-acoustic characterization of innovative common reed bio-based panels for building envelope. <i>Building and Environment</i> , 2016, 102, 217-229.	3.0	42
54	New cool concrete for building envelopes and urban paving: Optics-energy and thermal assessment in dynamic conditions. <i>Energy and Buildings</i> , 2017, 151, 381-392.	3.1	42

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55	How peers' personal attitudes affect indoor microclimate and energy need in an institutional building: Results from a continuous monitoring campaign in summer and winter conditions. <i>Energy and Buildings</i> , 2016, 126, 485-497.	3.1	41
56	Experimental investigations on scaled-up methane hydrate production with surfactant promotion: Energy considerations. <i>Journal of Petroleum Science and Engineering</i> , 2014, 120, 187-193.	2.1	40
57	Synergistic effects in hydrogen production through water sonophotolysis catalyzed by new $\text{La}_{2-x}\text{Ga}_2\text{yIn}_2(1-x\hat{\sim}y)\text{O}_3$ solid solutions. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9042-9049.	3.8	38
58	An Integrated HBIM Simulation Approach for Energy Retrofit of Historical Buildings Implemented in a Case Study of a Medieval Fortress in Italy. <i>Energies</i> , 2020, 13, 2601.	1.6	38
59	Integrated Thermal-Energy Analysis of Innovative Translucent White Marble for Building Envelope Application. <i>Sustainability</i> , 2014, 6, 5439-5462.	1.6	37
60	Comparative Analysis of Monitoring Devices for Particulate Content in Exhaust Gases. <i>Sustainability</i> , 2014, 6, 4287-4307.	1.6	36
61	Sustainable Ethanol Production from Common Reed (<i>Phragmites australis</i>) through Simultaneous Saccharification and Fermentation. <i>Sustainability</i> , 2015, 7, 12149-12163.	1.6	36
62	The role of building occupants' education in their resilience to climate-change related events. <i>Energy and Buildings</i> , 2017, 154, 217-231.	3.1	35
63	Differentiating responses of weather files and local climate change to explain variations in building thermal-energy performance simulations. <i>Solar Energy</i> , 2017, 153, 224-237.	2.9	34
64	Development of Innovative Heating and Cooling Systems Using Renewable Energy Sources for Non-Residential Buildings. <i>Energies</i> , 2013, 6, 5114-5129.	1.6	33
65	Comparison of ORC Turbine and Stirling Engine to Produce Electricity from Gasified Poultry Waste. <i>Sustainability</i> , 2014, 6, 5714-5729.	1.6	33
66	Preliminary Optimization of Alkaline Pretreatment for Ethanol Production from Vineyard Pruning. <i>Energy Procedia</i> , 2015, 82, 389-394.	1.8	32
67	Thermal degradation of driftwood: Determination of the concentration of sodium, calcium, magnesium, chlorine and sulfur containing compounds. <i>Waste Management</i> , 2017, 60, 151-157.	3.7	32
68	On a Cool Coating for Roof Clay Tiles: Development of the Prototype and Thermal-energy Assessment. <i>Energy Procedia</i> , 2014, 45, 453-462.	1.8	31
69	Beneficial effects of retroreflective materials in urban canyons: results from seasonal monitoring campaign. <i>Journal of Physics: Conference Series</i> , 2015, 655, 012012.	0.3	31
70	Innovative cool roofing membrane with integrated phase change materials: Experimental characterization of morphological, thermal and optic-energy behavior. <i>Energy and Buildings</i> , 2016, 112, 40-48.	3.1	31
71	Sustainability Assessment of Historic Buildings: Lesson Learnt from an Italian case Study through LEED® Rating System. <i>Energy Procedia</i> , 2014, 61, 1029-1032.	1.8	30
72	The Impact of Local Microclimate Boundary Conditions on Building Energy Performance. <i>Sustainability</i> , 2015, 7, 9207-9230.	1.6	30

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73	Response surface methodology for the optimization of cellulosic ethanol production from <i>Phragmites australis</i> through pre-saccharification and simultaneous saccharification and fermentation. <i>Industrial Crops and Products</i> , 2016, 83, 431-437.	2.5	30
74	The impact of natural ventilation on building energy requirement at inter-building scale. <i>Energy and Buildings</i> , 2016, 127, 870-883.	3.1	29
75	Optimization of roof solar reflectance under different climate conditions, occupancy, building configuration and energy systems. <i>Energy and Buildings</i> , 2017, 151, 81-97.	3.1	29
76	Cool roofs as a strategy to tackle global warming: economical and technical opportunities. <i>Advances in Building Energy Research</i> , 2013, 7, 254-268.	1.1	28
77	Thermal performance of coupled cool roof and cool façade: Experimental monitoring and analytical optimization procedure. <i>Energy and Buildings</i> , 2017, 157, 35-52.	3.1	27
78	Environmental assessment of four waste cooking oil valorization pathways. <i>Waste Management</i> , 2022, 138, 219-233.	3.7	27
79	Energy Valorization of Poultry Manure in a Thermal Power Plant: Experimental Campaign. <i>Energy Procedia</i> , 2014, 45, 315-322.	1.8	26
80	Energy from poultry waste: An Aspen Plus-based approach to the thermo-chemical processes. <i>Waste Management</i> , 2018, 73, 496-503.	3.7	26
81	Optimization of bio-oil production from solid digestate by microwave-assisted liquefaction. <i>Energy Conversion and Management</i> , 2018, 171, 1263-1272.	4.4	26
82	Microclimate and air quality investigation in historic hilly urban areas: Experimental and numerical investigation in central Italy. <i>Sustainable Cities and Society</i> , 2017, 33, 27-44.	5.1	25
83	Facility Energy Management Application of HBIM for Historical Low-Carbon Communities: Design, Modelling and Operation Control of Geothermal Energy Retrofit in a Real Italian Case Study. <i>Energies</i> , 2020, 13, 6338.	1.6	25
84	Investigation on the effect of innovative cool tiles on local indoor thermal conditions: Finite element modeling and continuous monitoring. <i>Building and Environment</i> , 2016, 97, 55-68.	3.0	24
85	Cool Roof Impact on Building Energy Need: The Role of Thermal Insulation with Varying Climate Conditions. <i>Energies</i> , 2019, 12, 3354.	1.6	24
86	Microclimate mitigation for enhancing energy and environmental performance of Near Zero Energy Settlements in Italy. <i>Sustainable Cities and Society</i> , 2020, 53, 101964.	5.1	24
87	A PCM Thermal Storage for Ground-source Heat Pumps: Simulating the System Performance via CFD Approach. <i>Energy Procedia</i> , 2016, 101, 1079-1086.	1.8	23
88	Multifunctional Analysis of Innovative PCM-filled Concretes. <i>Energy Procedia</i> , 2017, 111, 81-90.	1.8	23
89	On Innovative Cool-Colored Materials for Building Envelopes: Balancing the Architectural Appearance and the Thermal-Energy Performance in Historical Districts. <i>Sustainability</i> , 2017, 9, 2319.	1.6	23
90	A New Geometry High Performance Small Power MCFC. <i>Journal of Fuel Cell Science and Technology</i> , 2004, 1, 25-29.	0.8	22

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91	Evaluation and Optimization of an Innovative Low-Cost Photovoltaic Solar Concentrator. International Journal of Photoenergy, 2011, 2011, 1-10.	1.4	22
92	Simulating the Thermal-Energy Performance of Buildings at the Urban Scale: Evaluation of Inter-Building Effects in Different Urban Configurations. Journal of Urban Technology, 2014, 21, 3-20.	2.5	22
93	Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. Procedia Engineering, 2015, 118, 1325-1332.	1.2	22
94	Yeast lipids from cardoon stalks, stranded driftwood and olive tree pruning residues as possible extra sources of oils for producing biofuels and biochemicals. Biotechnology for Biofuels, 2018, 11, 147.	6.2	22
95	Cellulose Nanocrystals Obtained from Cynara Cardunculus and Their Application in the Paper Industry. Sustainability, 2014, 6, 5252-5264.	1.6	21
96	The Experience of International Sustainability Protocols for Retrofitting Historical Buildings in Italy. Buildings, 2017, 7, 52.	1.4	21
97	Pollutant emissions of a biomass gasifier inside a multifuel energy plant. Atmospheric Pollution Research, 2019, 10, 2000-2009.	1.8	21
98	Cool Marble Building Envelopes: The Effect of Aging on Energy Performance and Aesthetics. Sustainability, 2016, 8, 753.	1.6	20
99	Optimization of bioethanol production from steam exploded hornbeam wood (Ostrya carpinifolia) by enzymatic hydrolysis. Renewable Energy, 2018, 124, 136-143.	4.3	20
100	Experimental Tests and Modeling on a Combined Heat and Power Biomass Plant. Energies, 2019, 12, 2615.	1.6	20
101	Effect of Double-Step Steam Explosion Pretreatment in Bioethanol Production from Softwood. Applied Biochemistry and Biotechnology, 2014, 174, 156-167.	1.4	19
102	Life Cycle Assessment of New Oxy-Fuels from Biodiesel-Derived Glycerol. Energies, 2015, 8, 1628-1643.	1.6	19
103	Traditional and Innovative Materials for Energy Efficiency in Buildings. Key Engineering Materials, 0, 678, 14-34.	0.4	19
104	On an innovative approach for microclimate enhancement and retrofit of historic buildings and artworks preservation by means of innovative thin envelope materials. Journal of Cultural Heritage, 2019, 36, 222-231.	1.5	19
105	Lignocellulosic Biomass Feeding in Biogas Pathway: State of the Art and Plant Layouts. Energy Procedia, 2015, 81, 1231-1237.	1.8	18
106	Quantifying the effects of interior surface reflectance on indoor lighting. Energy Procedia, 2017, 134, 306-316.	1.8	18
107	Thermo-acoustic performance of green roof substrates in dynamic hygrothermal conditions. Energy and Buildings, 2018, 178, 140-153.	3.1	18
108	Acid-catalyzed steam explosion for high enzymatic saccharification and low inhibitor release from lignocellulosic cardoon stalks. Biochemical Engineering Journal, 2021, 174, 108121.	1.8	17

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109	Dynamic Thermal-energy Performance Analysis of a Prototype Building with Integrated Phase Change Materials. Energy Procedia, 2015, 81, 82-88.	1.8	16
110	Combined Thermal Effect of Cool Roof and Cool Façade on a Prototype Building. Energy Procedia, 2015, 78, 1556-1561.	1.8	16
111	Optimization of the steam explosion and enzymatic hydrolysis for sugars production from oak woods. Bioresource Technology, 2015, 198, 470-477.	4.8	16
112	TIAR: Renewable Energy Production, Storage and Distribution; A New Multidisciplinary Approach for the Design of Rural Facility. Energy Procedia, 2014, 45, 323-332.	1.8	15
113	Thermal comfort in the historical urban canyon: the effect of innovative materials. Energy Procedia, 2017, 134, 151-160.	1.8	14
114	Exploring the potential of photoluminescence for urban passive cooling and lighting applications: A new approach towards materials' optimization. Energy, 2021, 231, 120815.	4.5	14
115	Energy Refurbishment of Historical Buildings with Public Function: Pilot Case Study. Energy Procedia, 2014, 61, 660-663.	1.8	13
116	Design and monitoring of an innovative geothermal system including an underground heat-storage tank. International Journal of Green Energy, 2016, 13, 822-830.	2.1	13
117	Investigating alternative development strategies for sport arenas based on active and passive systems. Journal of Building Engineering, 2020, 31, 101340.	1.6	13
118	A Batch Digester Plant for Biogas Production and Energy Enhancement of Organic Residues from Collective Activities. Energy Procedia, 2014, 61, 1669-1672.	1.8	12
119	An Innovative Small Sized Anaerobic Digester Integrated in Historic Building. Energy Procedia, 2014, 45, 333-341.	1.8	12
120	Lignocellulosic Ethanol Production from the Recovery of Stranded Driftwood Residues. Energies, 2016, 9, 634.	1.6	12
121	Cool, Translucent Natural Envelope: Thermal-optics Characteristics Experimental Assessment and Thermal-energy and Day Lighting Analysis. Energy Procedia, 2017, 111, 578-587.	1.8	12
122	Production of Carbohydrates from Cardoon Pre-Treated by Acid-Catalyzed Steam Explosion and Enzymatic Hydrolysis. Energies, 2019, 12, 4288.	1.6	12
123	Sustainable Exploitation of Residual Cynara cardunculus L. to Levulinic Acid and n-Butyl Levulinate. Catalysts, 2021, 11, 1082.	1.6	11
124	Innovative concretes for low-carbon constructions: a review. International Journal of Low-Carbon Technologies, 2016, , .	1.2	10
125	A Cost-Effective Human-Based Energy-Retrofitting Approach. , 2017, , 219-255.		10
126	National Water Footprint: Toward a Comprehensive Approach for the Evaluation of the Sustainability of Water Use in Italy. Sustainability, 2017, 9, 1341.	1.6	10

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127	Coupling artworks preservation constraints with visitors' environmental satisfaction: Results from an indoor microclimate assessment procedure in a historical museum building in central Italy. <i>Indoor and Built Environment</i> , 2018, 27, 846-869.	1.5	10
128	Network of buildings' impact on indoor thermal performance. <i>Smart and Sustainable Built Environment</i> , 2012, 1, 73-86.	2.2	9
129	Simulating the effect of urban morphology on indoor thermal behavior: An Italian case study. , 2013, , .		7
130	A Cylindrical Molten Carbonate Fuel Cell Supplied with Landfill Biogas. <i>Applied Mechanics and Materials</i> , 2013, 392, 512-516.	0.2	7
131	Energy Opportunities from Lignocellulosic Biomass for a Biorefinery Case Study. <i>Energies</i> , 2016, 9, 748.	1.6	7
132	Energy and Environmental Performance Analysis of Biomass-fuelled Combined Cooling and Heating System for Commercial Building Retrofit: An Italian Case Study. <i>Energy Procedia</i> , 2016, 101, 376-383.	1.8	7
133	Carbon Dioxide Removal with Tuff: Experimental Measurement of Adsorption Properties and Breakthrough Modeling Using CFD Approach. <i>Energy Procedia</i> , 2016, 101, 392-399.	1.8	7
134	Investigation of the impact of subjective and physical parameters on the indoor comfort of occupants: a case study in central Italy. <i>Energy Procedia</i> , 2017, 126, 131-138.	1.8	7
135	Thermal-energy and Environmental Impact of Cool Clay Tiles for Residential Buildings in Italy. <i>Procedia Engineering</i> , 2015, 118, 530-537.	1.2	6
136	Experimental and Numerical Study on Thermal Performance of New Cool Clay Tiles in Residential Buildings in Europe. <i>Energy Procedia</i> , 2015, 75, 1393-1398.	1.8	6
137	Sustainable New Brick and Thermo-Acoustic Insulation Panel from Mineralization of Stranded Driftwood Residues. <i>Energies</i> , 2016, 9, 619.	1.6	6
138	A Comparative Study on Opto-Thermal Properties of Natural Clay Bricks Incorporating Dredged Sediments. <i>Energies</i> , 2021, 14, 4575.	1.6	6
139	Electric Vehicles for Postal Service Equipped with a Kinetic Energy Recovery System. <i>International Journal of Green Energy</i> , 2015, 12, 485-492.	2.1	5
140	Experimental Analysis and Process Modeling of Carbon Dioxide Removal Using Tuff. <i>Sustainability</i> , 2016, 8, 1258.	1.6	5
141	Life Cycle Assessment and Energy Balance of a Polygeneration Plant Fed with Lignocellulosic Biomass of <i>Cynara cardunculus</i> L.. <i>Energies</i> , 2022, 15, 2397.	1.6	5
142	Smart cool mortar for passive cooling of historical and existing buildings: experimental analysis and dynamic simulation. <i>Energy Procedia</i> , 2017, 134, 536-544.	1.8	4
143	An improved room acoustic model. <i>Applied Acoustics</i> , 2000, 61, 1-25.	1.7	3
144	Investigating the Dynamic Thermal Behavior of Building Envelope in Summer Conditions By Means of in-Field Continuous Monitoring. <i>American Journal of Engineering and Applied Sciences</i> , 2016, 9, 505-519.	0.3	3

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145	Energy Enhancement of the Residues from the Cardoon Seeds Milling: Preliminary Experimentation in a Small Size Biogas Plant. <i>Energy Procedia</i> , 2016, 101, 440-447.	1.8	3
146	An innovative way for the delignification of <i>Phragmites australis</i> residues by steam explosion and β -valerolactone microwave assisted extraction. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 736-741.	1.3	3
147	Refugee camps as an opportunity for promoting alternative development strategies based on carbon credits. <i>Energy Procedia</i> , 2018, 148, 281-288.	1.8	3
148	High-reflective Mulching Membrane for a Sustainable Development: Monitoring Campaign. <i>E3S Web of Conferences</i> , 2020, 197, 08012.	0.2	3
149	Experimental determination of the thermophysical properties of Water-Xylitol mixtures. <i>Experimental Thermal and Fluid Science</i> , 1993, 7, 80-86.	1.5	1
150	Noise Assessment of Bioethanol Fuelled Hybrid and Electric Postal Vehicles Equipped With a Kinetic Energy Recovery System. , 2012, , .		1
151	Energetic Analysis of Solar-Supplied Processes for Methane, Biogas and Wood Chip Production. <i>Advanced Materials Research</i> , 0, 772, 720-724.	0.3	1
152	Numerical Modeling of Atmospheric Water Content and Probability Evaluation. Part I. <i>Procedia Engineering</i> , 2014, 70, 321-329.	1.2	1
153	Numerical Modeling of Atmospheric Water Content and Probability Evaluation. Part II. <i>Procedia Engineering</i> , 2014, 70, 330-338.	1.2	1
154	An Innovative Tool for Technical, Environmental and Economic Design of Building Energy Plants: A Case Study in Umbria. <i>Energy Procedia</i> , 2015, 82, 652-658.	1.8	1
155	Multifunctional Environmental Energy Tower: A Case Study of an Innovative System for Renewable Energy Exploitation. <i>Energy Procedia</i> , 2015, 81, 1222-1230.	1.8	1
156	A Prototype Plant for Oilseed Extraction: Analysis of Mass and Energy Flows. <i>Sustainability</i> , 2020, 12, 9786.	1.6	1
157	Influences of a Highly Reflective Mulching Membrane on Heat Propagation throughout the Soil. <i>Sustainability</i> , 2021, 13, 9737.	1.6	1
158	ON THE IMPACT OF COOL ROOFS IN ITALIAN RESIDENTIAL BUILDINGS: EXPERIMENTAL ASSESSMENT OF SUMMER AND WINTER PERFORMANCE. , 2012, , .		1
159	The ecological momentary assessment approach and the use of big data to analyse possible effects of urbanisation on mental health. <i>European Psychiatry</i> , 2021, 64, S10-S11.	0.1	1
160	Life Cycle Thinking a Sustainable Built Environment. <i>Energies</i> , 2022, 15, 3511.	1.6	1
161	Biomass-based systems. , 2022, , 137-192.		0
162	Influences of high-reflective mulching membrane coupled with a drip sub-irrigation system on temperature and humidity of the soil. <i>E3S Web of Conferences</i> , 2021, 312, 12006.	0.2	0

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163	Existing Buildingsâ€™ Energy Upgrade: An Economical and Environmentally Sustainable Opportunity. CSR, Sustainability, Ethics & Governance, 2013, , 265-280.	0.2	0