

Romano Borchiellini

List of Publications by Year in descending order

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35
papers

831
citations

471509

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all docs

35
docs citations

35
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical Installations in Road Tunnel Design Criteria Tested by Fire Simulations: A Confirmation of the Zoning Approach. IEEE Industry Applications Magazine, 2022, 28, 34-41.	0.4	1
2	Supporting Decarbonization Strategies of Local Energy Systems by De-Risking Investments in Renewables: A Case Study on Pantelleria Island. Energies, 2022, 15, 1103.	3.1	9
3	Modeling technology retrofit scenarios for the conversion of condominium into an energy community: An Italian case study. Journal of Cleaner Production, 2021, 282, 124536.	9.3	27
4	Low emissions analysis platform model for renewable energy: Community-scale case studies in Nigeria. Sustainable Cities and Society, 2021, 67, 102750.	10.4	20
5	Expanding the FDS Simulation Capabilities to Fire Tunnel Scenarios Through a Novel Multi-scale Model. Fire Technology, 2021, 57, 2491-2514.	3.0	10
6	Data informed physical models for district heating grids with distributed heat sources to understand thermal and hydraulic aspects. Energy, 2021, 222, 119965.	8.8	22
7	A Distributed Multimodel Platform to Cosimulate Multienergy Systems in Smart Buildings. IEEE Transactions on Industry Applications, 2021, 57, 4428-4440.	4.9	11
8	Load Profiles Clustering and Knowledge Extraction to Assess Actual Usage of Telecommunication Sites. , 2021, , .		2
9	A Distributed Platform for Multi-modelling Co-simulations of Smart Building Energy Behaviour. , 2020, , .		3
10	Techno-economic comparison of buildings acting as Single-Self Consumers or as energy community through multiple economic scenarios. Sustainable Cities and Society, 2020, 61, 102342.	10.4	33
11	GAMES: A General-Purpose Architectural Model for Multi-energy System Engineering Applications. , 2020, , .		3
12	Analysis of Rooftop Photovoltaics Diffusion in Energy Community Buildings by a Novel GIS- and Agent-Based Modeling Co-Simulation Platform. IEEE Access, 2019, 7, 93404-93432.	4.2	36
13	The extremely low frequency electromagnetic stimulation selective for cancer cells elicits growth arrest through a metabolic shift. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1389-1397.	4.1	26
14	A decision-making process to support public administrations in defining local energy policies. Thermal Science and Engineering Progress, 2018, 6, 398-409.	2.7	5
15	The Energy Center Initiative at Politecnico di Torino: Practical experiences on energy efficiency measures in the municipality of Torino. International Journal of Heat and Technology, 2017, 35, S196-S204.	0.6	10
16	Constructal thermodynamics combined with infrared experiments to evaluate temperature differences in cells. Scientific Reports, 2015, 5, 11587.	3.3	29
17	Performance of a Solid Oxide Fuel Cell short-stack with biogas feeding. Applied Energy, 2014, 125, 254-263.	10.1	80
18	Thermoeconomic analysis of large solid oxide fuel cell plants: Atmospheric vs. pressurized performance. Energy, 2013, 55, 142-155.	8.8	77

#	ARTICLE	IF	CITATIONS
19	Entropy versus entransy. Journal of Non-Equilibrium Thermodynamics, 2013, .	4.2	12
20	Improved angular discretization and error analysis of the lattice Boltzmann method for solving radiative heat transfer in a participating medium. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 640-662.	2.8	38
21	Multiscale modeling of transient flows from fire and ventilation in long tunnels. Computers and Fluids, 2011, 51, 16-29.	2.5	52
22	A Novel Multiscale Methodology for Simulating Tunnel Ventilation Flows During Fires. Fire Technology, 2011, 47, 221-253.	3.0	38
23	A Lattice Boltzmann Formulation for the Analysis of Radiative Heat Transfer Problems in a Participating Medium. Numerical Heat Transfer, Part B: Fundamentals, 2010, 57, 126-146.	0.9	100
24	A fuzzy logic procedure for ventilation control in case of fire in long tunnels. Fire Safety Journal, 2009, 44, 612-621.	3.1	8
25	Experimental investigations of the microscopic features and polarization limiting factors of planar SOFCs with LSM and LSCF cathodes. Journal of Power Sources, 2008, 177, 111-122.	7.8	56
26	Experimental evaluation of the operating temperature impact on solid oxide anode-supported fuel cells. International Journal of Hydrogen Energy, 2008, 33, 3167-3172.	7.1	15
27	Exergy method for the diagnosis of energy systems using measured data. Energy, 2007, 32, 490-498.	8.8	28
28	Performance Analysis of Solid Oxide Fuel Cell Stack: Part 2 " Radiation Heat Transfer. , 2007, , .		1
29	Exergetic and economic evaluation of control strategies for a gas turbine plant. Energy, 2004, 29, 2253-2271.	8.8	11
30	Carbon exergy tax (CET): its impact on conventional energy system design and its contribution to advanced systems utilisation. Energy, 2003, 28, 607-625.	8.8	9
31	Carbon tax vs CO2 sequestration effects on environomic analysis of existing power plants. Energy Conversion and Management, 2002, 43, 1425-1443.	9.2	20
32	Analytical procedure for carbon tax evaluation. Energy Conversion and Management, 2000, 41, 1509-1531.	9.2	20
33	An overview of the evaluation activities of IEA ECBCS Annex 23. Energy and Buildings, 1999, 30, 19-33.	6.7	5
34	An evaluation exercise of a multizone air flow model. Energy and Buildings, 1999, 30, 35-51.	6.7	13
35	Estimation of the thermal conductivity of an epoxy resin by the use of an internal parallelepiped heat source. I: Numerical analysis. High Temperatures - High Pressures, 1999, 31, 633-641.	0.3	1