# Emanuele Habib

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 26 papers | 425 citations | 758635 12 h-index | 752256 20 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 512 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Demand Side Management in Microgrids for Load Control in Nearly Zero Energy Buildings. IEEE Transactions on Industry Applications, 2017, 53, 1769-1779. | 3.3 | 75 |
| 2 | Aggregation of Users in a Residential/Commercial Building Managed by a Building Energy Management System (BEMS). IEEE Transactions on Industry Applications, 2019, 55, 26-34. | 3.3 | 45 |
| 3 | A two-phase numerical study of buoyancy-driven convection of aluminaâ€“water nanofluids in differentially-heated horizontal annuli. International Journal of Heat and Mass Transfer, 2013, 65, 327-338. | 2.5 | 36 |
| 4 | Buoyant heat transport in fluids across tilted square cavities discretely heated at one side. International Journal of Thermal Sciences, 2010, 49, 797-808. | 2.6 | 34 |
| 5 | Energy performance of air-conditioning systems using an indirect evaporative cooling combined with a cooling/reheating treatment. Energy and Buildings, 2014, 69, 490-497. | 3.1 | 26 |
| 6 | Joint Model Predictive Control of Electric and Heating Resources in a Smart Building. IEEE Transactions on Industry Applications, 2019, 55, 7015-7027. | 3.3 | 23 |
| 7 | Free convection heat transfer from a horizontal cylinder affected by a downstream parallel cylinder of different diameter. International Journal of Thermal Sciences, 2006, 45, 923-931. | 2.6 | 21 |
| 8 | Convective transport in rectangular cavities partially heated at the bottom and cooled at one side. Journal of Thermal Science, 2013, 22, 55-63. | 0.9 | 18 |
| 9 | Buoyancy-induced convection in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si140.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>Al</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>O</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> nanofluids from an enclosed heater. European Journal of Mechanics, B/Fluids, 2014, 48, 123-134. | 1.2 | 18 |
| 10 | Energy performance of a lightweight opaque ventilated faÃ§ade integrated with the HVAC system using saturated exhaust indoor air. Energy and Buildings, 2012, 50, 26-34. | 3.1 | 15 |
| 11 | Natural Convection Heat and Momentum Transfer in Rectangular Enclosures Heated at the Lower Portion of the Sidewalls and the Bottom Wall and Cooled at the Remaining Upper Portion of the Sidewalls and the Top Wall. Heat Transfer Engineering, 2009, 30, 1166-1176. | 1.2 | 14 |
| 12 | Investigation on the use of a novel regenerative flow turbine in a micro-scale Organic Rankine Cycle unit. Energy, 2020, 210, 118519. | 4.5 | 13 |
| 13 | Natural convection from inclined plates to gases and liquids when both sides are uniformly heated at the same temperature. International Journal of Thermal Sciences, 2011, 50, 1405-1416. | 2.6 | 12 |
| 14 | Multi-Prandtl correlating equations for free convection heat transfer from a horizontal tube of elliptic cross-section. International Journal of Heat and Mass Transfer, 2009, 52, 1353-1364. | 2.5 | 11 |
| 15 | Optimization of Free Convection Heat Transfer From Vertical Plates Using Nanofluids. Journal of Heat Transfer, 2012, 134, . | 1.2 | 10 |
| 16 | Numerical Investigation of Pipelines Modeling in Small-Scale Concentrated Solar Combined Heat and Power Plants. Energies, 2020, 13, 429. | 1.6 | 10 |
| 17 | Component-Oriented Modeling of a Micro-Scale Organic Rankine Cycle System for Waste Heat Recovery Applications. Applied Sciences (Switzerland), 2021, 11, 1984. | 1.3 | 10 |
| 18 | Correlating Equations for Laminar Free Convection From Misaligned Horizontal Cylinders in Interacting Flow Fields. Journal of Heat Transfer, 2008, 130, . | 1.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Assumption-free modeling of a micro-scale organic Rankine cycle system based on a mass-sensitive method. Energy Conversion and Management, 2021, 245, 114554. | 4.4 | 7 |
| 20 | An example of smart building with a km zero energy performance. , 2017, , . | | 6 |
| 21 | Demand side management in mixed residential/commercial buildings with PV on site generation. , 2017, , . | | 5 |
| 22 | Dynamic Thermal Features of Insulated Blocks: Actual Behavior and Myths. Energies, 2017, 10, 1807. | 1.6 | 5 |
| 23 | Nearly Zero Energy Building Model Predictive Control for efficient heating. , 2018, , . | | 4 |
| 24 | Experimental and Theoretical Analysis of Water Uptake and Swelling Kinetics of Trabecular Tissue from Human Femur Head: Some Preliminary Results. , 2013, , . | | 0 |
| 25 | Heat Transfer Features of a Horizontal Slot Jet Impinging in Mixed Convection. , 2006, , . | | 0 |
| 26 | Natural Convection From a Pair of Parallel Horizontal Circular Cylinders Set in Free Air With Different Alignments. , 2006, , . | | 0 |