

Nicola Bianco

List of Publications by Year in descending order

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141
papers

4,990
citations

70961

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67
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141
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141
docs citations

141
times ranked

3831
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Energy refurbishment of existing buildings through the use of phase change materials: Energy savings and indoor comfort in the cooling season. <i>Applied Energy</i> , 2014, 113, 990-1007. | 5.1 | 255 |
| 2 | Green roofs in European climates. Are effective solutions for the energy savings in air-conditioning?. <i>Applied Energy</i> , 2013, 104, 845-859. | 5.1 | 226 |
| 3 | Simulation-based model predictive control by the multi-objective optimization of building energy performance and thermal comfort. <i>Energy and Buildings</i> , 2016, 111, 131-144. | 3.1 | 180 |
| 4 | Artificial neural networks to predict energy performance and retrofit scenarios for any member of a building category: A novel approach. <i>Energy</i> , 2017, 118, 999-1017. | 4.5 | 179 |
| 5 | Operation optimization of a distributed energy system considering energy costs and exergy efficiency. <i>Energy Conversion and Management</i> , 2015, 103, 739-751. | 4.4 | 168 |
| 6 | Building envelope design: Multi-objective optimization to minimize energy consumption, global cost and thermal discomfort. Application to different Italian climatic zones. <i>Energy</i> , 2019, 174, 359-374. | 4.5 | 160 |
| 7 | Multi-stage and multi-objective optimization for energy retrofitting a developed hospital reference building: A new approach to assess cost-optimality. <i>Applied Energy</i> , 2016, 174, 37-68. | 5.1 | 153 |
| 8 | A new methodology for investigating the cost-optimality of energy retrofitting a building category. <i>Energy and Buildings</i> , 2015, 107, 456-478. | 3.1 | 150 |
| 9 | A new methodology for cost-optimal analysis by means of the multi-objective optimization of building energy performance. <i>Energy and Buildings</i> , 2015, 88, 78-90. | 3.1 | 144 |
| 10 | Energy retrofit of an educational building in the ancient center of Benevento. Feasibility study of energy savings and respect of the historical value. <i>Energy and Buildings</i> , 2015, 95, 172-183. | 3.1 | 137 |
| 11 | Multi-objective design optimization of distributed energy systems through cost and exergy assessments. <i>Applied Energy</i> , 2017, 204, 1299-1316. | 5.1 | 121 |
| 12 | Design of the Building Envelope: A Novel Multi-Objective Approach for the Optimization of Energy Performance and Thermal Comfort. <i>Sustainability</i> , 2015, 7, 10809-10836. | 1.6 | 103 |
| 13 | Metal foam/PCM melting evolution analysis: Orientation and morphology effects. <i>Applied Thermal Engineering</i> , 2021, 187, 116572. | 3.0 | 103 |
| 14 | Energy retrofit of educational buildings: Transient energy simulations, model calibration and multi-objective optimization towards nearly zero-energy performance. <i>Energy and Buildings</i> , 2017, 144, 303-319. | 3.1 | 102 |
| 15 | CASA, cost-optimal analysis by multi-objective optimisation and artificial neural networks: A new framework for the robust assessment of cost-optimal energy retrofit, feasible for any building. <i>Energy and Buildings</i> , 2017, 146, 200-219. | 3.1 | 89 |
| 16 | A new comprehensive framework for the multi-objective optimization of building energy design: Harlequin. <i>Applied Energy</i> , 2019, 241, 331-361. | 5.1 | 86 |
| 17 | Resilience of robust cost-optimal energy retrofit of buildings to global warming: A multi-stage, multi-objective approach. <i>Energy and Buildings</i> , 2017, 153, 150-167. | 3.1 | 82 |
| 18 | The effect of open-cell metal foams strut shape on convection heat transfer and pressure drop. <i>Applied Thermal Engineering</i> , 2016, 103, 333-343. | 3.0 | 78 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Analysis of a phase change material-based unit and of an aluminum foam/phase change material composite-based unit for cold thermal energy storage by numerical simulation. <i>Applied Energy</i> , 2019, 256, 113921. | 5.1 | 76 |
| 20 | Multi-objective optimization of the renewable energy mix for a building. <i>Applied Thermal Engineering</i> , 2016, 101, 612-621. | 3.0 | 68 |
| 21 | Monte Carlo determination of radiative properties of metal foams: Comparison between idealized and real cell structures. <i>International Journal of Thermal Sciences</i> , 2015, 87, 94-102. | 2.6 | 67 |
| 22 | Lord Kelvin and Weaire's Phelan Foam Models: Heat Transfer and Pressure Drop. <i>Journal of Heat Transfer</i> , 2016, 138, . | 1.2 | 66 |
| 23 | Net zero-energy buildings in Germany: Design, model calibration and lessons learned from a case-study in Berlin. <i>Energy and Buildings</i> , 2016, 133, 688-710. | 3.1 | 63 |
| 24 | Radiative properties modeling of open cell solid foam: Review and new analytical law. <i>International Journal of Thermal Sciences</i> , 2016, 104, 122-134. | 2.6 | 62 |
| 25 | Multi-objective operation optimization of a Distributed Energy System for a large-scale utility customer. <i>Applied Thermal Engineering</i> , 2016, 101, 752-761. | 3.0 | 62 |
| 26 | Rehabilitation of the building envelope of hospitals: Achievable energy savings and microclimatic control on varying the HVAC systems in Mediterranean climates. <i>Energy and Buildings</i> , 2013, 60, 125-138. | 3.1 | 61 |
| 27 | Thermal comfort prediction in a building category: Artificial neural network generation from calibrated models for a social housing stock in southern Europe. <i>Applied Thermal Engineering</i> , 2019, 150, 492-505. | 3.0 | 59 |
| 28 | Numerical Analysis of Heat Transfer and Pressure Drop in Metal Foams for Different Morphological Models. <i>Journal of Heat Transfer</i> , 2014, 136, . | 1.2 | 58 |
| 29 | Developing thermal flow in open-cell foams. <i>International Journal of Thermal Sciences</i> , 2017, 111, 129-137. | 2.6 | 57 |
| 30 | Multi-objective optimization of finned metal foam heat sinks: Tradeoff between heat transfer and pressure drop. <i>Applied Thermal Engineering</i> , 2021, 182, 116058. | 3.0 | 57 |
| 31 | A new comprehensive approach for cost-optimal building design integrated with the multi-objective model predictive control of HVAC systems. <i>Sustainable Cities and Society</i> , 2017, 31, 136-150. | 5.1 | 56 |
| 32 | Thermal conduction in open-cell metal foams: Anisotropy and Representative Volume Element. <i>International Journal of Thermal Sciences</i> , 2019, 137, 399-409. | 2.6 | 55 |
| 33 | Radiative properties of irregular open cell solid foams. <i>International Journal of Thermal Sciences</i> , 2017, 117, 77-89. | 2.6 | 54 |
| 34 | Retrofit of villas on Mediterranean coastlines: Pareto optimization with a view to energy-efficiency and cost-effectiveness. <i>Applied Energy</i> , 2019, 254, 113705. | 5.1 | 54 |
| 35 | The evolution of building energy retrofit via double-skin and responsive façades: A review. <i>Solar Energy</i> , 2021, 224, 703-717. | 2.9 | 54 |
| 36 | Economic optimization of a residential micro-CHP system considering different operation strategies. <i>Applied Thermal Engineering</i> , 2016, 101, 592-600. | 3.0 | 53 |

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|----|---|-----|-----------|
| 37 | Different methods for the modelling of thermal bridges into energy simulation programs: Comparisons of accuracy for flat heterogeneous roofs in Italian climates. <i>Applied Energy</i> , 2012, 97, 405-418. | 5.1 | 47 |
| 38 | A real industrial building: Modeling, calibration and Pareto optimization of energy retrofit. <i>Journal of Building Engineering</i> , 2020, 29, 101186. | 1.6 | 47 |
| 39 | The role of the occupant behavior in affecting the feasibility of energy refurbishment of residential buildings: Typical effective retrofits compromised by typical wrong habits. <i>Energy and Buildings</i> , 2020, 223, 110217. | 3.1 | 46 |
| 40 | Effects of External and Internal Hyperthermia on LDL Transport and Accumulation Within an Arterial Wall in the Presence of a Stenosis. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1585-1599. | 1.3 | 44 |
| 41 | Anisotropic convective heat transfer in open-cell metal foams: Assessment and correlations. <i>International Journal of Heat and Mass Transfer</i> , 2020, 154, 119682. | 2.5 | 43 |
| 42 | Analysis of non-Newtonian effects on Low-Density Lipoprotein accumulation in an artery. <i>Journal of Biomechanics</i> , 2016, 49, 1437-1446. | 0.9 | 42 |
| 43 | Low-density lipoprotein transport through an arterial wall under hyperthermia and hypertension conditions – An analytical solution. <i>Journal of Biomechanics</i> , 2016, 49, 193-204. | 0.9 | 42 |
| 44 | The effects of variable porosity and cell size on the thermal performance of functionally-graded foams. <i>International Journal of Thermal Sciences</i> , 2021, 160, 106696. | 2.6 | 41 |
| 45 | Simplified state space representation for evaluating thermal bridges in building: Modelling, application and validation of a methodology. <i>Applied Thermal Engineering</i> , 2013, 61, 344-354. | 3.0 | 38 |
| 46 | Experimental validation of a numerical code by thin film heat flux sensors for the resolution of thermal bridges in dynamic conditions. <i>Applied Energy</i> , 2014, 124, 213-222. | 5.1 | 38 |
| 47 | Dynamic insulation of the building envelope: Numerical modeling under transient conditions and coupling with nocturnal free cooling. <i>Applied Thermal Engineering</i> , 2015, 84, 1-14. | 3.0 | 38 |
| 48 | The prediction of radiation heat transfer in open cell metal foams by a model based on the Lord Kelvin representation. <i>International Journal of Heat and Mass Transfer</i> , 2014, 76, 499-508. | 2.5 | 37 |
| 49 | Phase Change Materials for Reducing Cooling Energy Demand and Improving Indoor Comfort: A Step-by-Step Retrofit of a Mediterranean Educational Building. <i>Energies</i> , 2019, 12, 3661. | 1.6 | 34 |
| 50 | Analysis of non-Newtonian effects within an aorta-iliac bifurcation region. <i>Journal of Biomechanics</i> , 2017, 64, 153-163. | 0.9 | 31 |
| 51 | A Multi-Criteria Approach to Achieve Constrained Cost-Optimal Energy Retrofits of Buildings by Mitigating Climate Change and Urban Overheating. <i>Climate</i> , 2018, 6, 37. | 1.2 | 29 |
| 52 | Exergy-based operation optimization of a distributed energy system through the energy-supply chain. <i>Applied Thermal Engineering</i> , 2016, 101, 741-751. | 3.0 | 25 |
| 53 | Knowledge and energy retrofitting of neighborhoods and districts. A comprehensive approach coupling geographical information systems, building simulations and optimization engines. <i>Energy Conversion and Management</i> , 2021, 230, 113786. | 4.4 | 25 |
| 54 | Predicting the Impact of Climate Change on Thermal Comfort in A Building Category: The Case of Linear-type Social Housing Stock in Southern Spain. <i>Energies</i> , 2019, 12, 2238. | 1.6 | 24 |

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| 55 | Improved Monte Carlo methods for computational modelling of thermal radiation applied to porous cellular materials. <i>International Journal of Thermal Sciences</i> , 2019, 137, 161-179. | 2.6 | 24 |
| 56 | Addressing Large-Scale Energy Retrofit of a Building Stock via Representative Building Samples: Public and Private Perspectives. <i>Sustainability</i> , 2017, 9, 940. | 1.6 | 23 |
| 57 | Weather-data-based control of space heating operation via multi-objective optimization: Application to Italian residential buildings. <i>Applied Thermal Engineering</i> , 2019, 163, 114384. | 3.0 | 23 |
| 58 | Simulations of paraffine melting inside metal foams at different gravity levels with preliminary experimental validation. <i>Journal of Physics: Conference Series</i> , 2020, 1599, 012008. | 0.3 | 23 |
| 59 | Numerical Analysis of Radiative Effects on Natural Convection in Vertical Convergent and Symmetrically Heated Channels. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006, 49, 369-391. | 1.2 | 22 |
| 60 | Radiative effects on natural convection in vertical convergent channels. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 3513-3524. | 2.5 | 22 |
| 61 | The porous media theory applied to radiofrequency catheter ablation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 2669-2681. | 1.6 | 22 |
| 62 | Is it fundamental to model the inter-building effect for reliable building energy simulations? Interaction with shading systems. <i>Building and Environment</i> , 2020, 183, 107161. | 3.0 | 22 |
| 63 | Design optimization of a distributed energy system through cost and exergy assessments. <i>Energy Procedia</i> , 2017, 105, 2451-2459. | 1.8 | 21 |
| 64 | Thermo-Fluid-Dynamics of a Ceramic Foam Solar Receiver: A Parametric Analysis. <i>Heat Transfer Engineering</i> , 2020, 41, 1085-1099. | 1.2 | 21 |
| 65 | Numerical analysis of natural convection in air in a vertical convergent channel with uniformly heated conductive walls. <i>International Communications in Heat and Mass Transfer</i> , 2005, 32, 758-769. | 2.9 | 20 |
| 66 | Concept, Design and Energy Performance of a Net Zero-Energy Building in Mediterranean Climate. <i>Procedia Engineering</i> , 2016, 169, 26-37. | 1.2 | 19 |
| 67 | A Multi-Step Approach to Assess the Lifecycle Economic Impact of Seismic Risk on Optimal Energy Retrofit. <i>Sustainability</i> , 2017, 9, 989. | 1.6 | 19 |
| 68 | Mono- and Multi-Objective CFD Optimization of Graded Foam-Filled Channels. <i>Materials</i> , 2022, 15, 968. | 1.3 | 19 |
| 69 | Combined thermal and optical analysis of laser back-scribing for amorphous-silicon photovoltaic cells processing. <i>International Journal of Heat and Mass Transfer</i> , 1999, 42, 645-656. | 2.5 | 18 |
| 70 | Prediction of radiative heat transfer in metallic foams. <i>International Journal of Thermal Sciences</i> , 2014, 76, 147-154. | 2.6 | 18 |
| 71 | Numerical Analysis of a Paraffin/Metal Foam Composite for Thermal Storage. <i>Journal of Physics: Conference Series</i> , 2017, 796, 012032. | 0.3 | 16 |
| 72 | Design and performance analysis of a zero-energy settlement in Greece. <i>International Journal of Low-Carbon Technologies</i> , 2017, 12, 141-161. | 1.2 | 15 |

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| 73 | Thermal transient analysis of thin film multilayers heated by pulsed laser. International Journal of Heat and Mass Transfer, 1997, 40, 4487-4491. | 2.5 | 14 |
| 74 | Effects of ligaments shape on radiative heat transfer in metal foams. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 477-488. | 1.6 | 14 |
| 75 | Adiabatic surface temperature as thermal/structural parameter in fire modeling: Thermal analysis for different wall conductivities. Applied Thermal Engineering, 2014, 65, 422-432. | 3.0 | 13 |
| 76 | Boundary layer considerations in a multi-layer model for LDL accumulation. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 803-811. | 0.9 | 13 |
| 77 | Comprehensive analysis to drive the energy retrofit of a neighborhood by optimizing the solar energy exploitation " An Italian case study. Journal of Cleaner Production, 2021, 314, 127998. | 4.6 | 13 |
| 78 | Two-Dimensional Transient Analysis of Absorbing Thin Films in Laser Treatments. Journal of Heat Transfer, 2000, 122, 113-117. | 1.2 | 12 |
| 79 | Transient Heat Conduction in Solids Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 0, 283-286, 358-363. | 0.4 | 12 |
| 80 | Thermal design and optimization of vertical convergent channels in natural convection. Applied Thermal Engineering, 2006, 26, 170-177. | 3.0 | 11 |
| 81 | Experimental investigation on natural convection in a convergent channel with uniformly heated plates. International Journal of Heat and Mass Transfer, 2007, 50, 2772-2786. | 2.5 | 11 |
| 82 | Turbulent mixed convection in a uniformly heated vertical channel with an assisting moving surface. International Journal of Thermal Sciences, 2013, 71, 20-31. | 2.6 | 10 |
| 83 | Light and Heavy Energy Refurbishments of Mediterranean Offices. Part II: Cost-optimal Energy Renovation of an Institutional Building. Procedia Engineering, 2017, 180, 1518-1530. | 1.2 | 10 |
| 84 | Villas on Islands: cost-effective energy refurbishment in Mediterranean coastline houses. Energy Procedia, 2019, 159, 192-200. | 1.8 | 10 |
| 85 | Conceptualization, development and validation of EMAR: A user-friendly tool for accurate energy simulations of residential buildings via few numerical inputs. Journal of Building Engineering, 2021, 44, 102647. | 1.6 | 10 |
| 86 | Effect of a moving plate on heat transfer in a uniform heat flux vertical channel. International Journal of Heat and Mass Transfer, 2008, 51, 3906-3912. | 2.5 | 9 |
| 87 | Numerical analysis of radiation effects in a metallic foam by means of the radiative conductivity model. Applied Thermal Engineering, 2012, 49, 14-21. | 3.0 | 9 |
| 88 | Anisotropy effects on convective heat transfer and pressure drop in Kelvin's open-cell foams. Journal of Physics: Conference Series, 2017, 923, 012035. | 0.3 | 9 |
| 89 | Effects of global warming on energy retrofit planning of neighborhoods under stochastic human behavior. Energy and Buildings, 2021, 250, 111306. | 3.1 | 9 |
| 90 | Two Dimensional Transient Analysis of Temperature Distribution in a Solid Irradiated by a Gaussian Laser Source. , 2004, , 217. | | 8 |

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| 91 | Influence of wall emissivity and convective heat transfer coefficient on the adiabatic surface temperature as thermal/structural parameter in fire modeling. Applied Thermal Engineering, 2013, 51, 573-585. | 3.0 | 8 |
| 92 | Mitigating the cooling need and improvement of indoor conditions in Mediterranean educational buildings, by means of green roofs. Results of a case study. Journal of Physics: Conference Series, 2015, 655, 012027. | 0.3 | 8 |
| 93 | Experimental Validation of a Tool for the Numerical Simulation of a Commercial Hot Water Storage Tank. Energy Procedia, 2017, 105, 4266-4273. | 1.8 | 8 |
| 94 | Natural convection in a vertical channel with open-cell foams. Journal of Physics: Conference Series, 2020, 1599, 012013. | 0.3 | 7 |
| 95 | Building heating demand vs climate: Deep insights to achieve a novel heating stress index and climatic stress curves. Journal of Cleaner Production, 2021, 296, 126616. | 4.6 | 7 |
| 96 | Instationary conjugate optical-thermal fields in thin films due to pulsed laser heating: A comparison between back and front treatment. Heat and Mass Transfer, 1998, 34, 255-261. | 1.2 | 6 |
| 97 | Numerical characterization of a highly concentrated solar radiation sensor based on an inverse method. Solar Energy, 2015, 111, 407-417. | 2.9 | 6 |
| 98 | Are transparent double-skin facades effective for energy retrofit? Answers for an office building - with and without photovoltaic integration. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 257-271. | 1.2 | 6 |
| 99 | Transient conductive-radiative numerical analysis of multilayer thin films heated by different laser pulses. International Journal of Thermal Sciences, 2001, 40, 959-968. | 2.6 | 5 |
| 100 | Theoretical comparison of two-dimensional transient analysis between back and front laser treatment of thin multilayer films. International Journal of Thermal Sciences, 2004, 43, 611-621. | 2.6 | 5 |
| 101 | Effect of Solid Thickness on Transient Heat Conduction in Workpieces Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 2010, 297-301, 1445-1450. | 0.4 | 5 |
| 102 | Exergy-efficient management of energy districts. , 2014, , . | | 5 |
| 103 | Optimal operation of residential micro-CHP systems with thermal storage losses modelling. , 2014, , . | | 5 |
| 104 | Numerical Simulation of a Solar Domestic Hot Water System. Journal of Physics: Conference Series, 2014, 547, 012015. | 0.3 | 5 |
| 105 | Prescriptive- and Performance-based Approaches of the Present and Previous German DIN 4108-2. Hourly Energy Simulation for Comparing the Effectiveness of the Methods. Energy Procedia, 2015, 75, 1315-1324. | 1.8 | 5 |
| 106 | Energy Audit of Health Care Facilities: Dynamic Simulation of Energy Performances and Energy-Oriented Refurbishment of System and Equipment for Microclimatic Control. American Journal of Engineering and Applied Sciences, 2016, 9, 814-834. | 0.3 | 5 |
| 107 | Transient heat transfer through walls and thermal bridges. Numerical modelling: Methodology and validation. , 2012, , . | | 4 |
| 108 | Optimal Operation of Micro-CHP Systems for a Single-Family House in Italy. Applied Mechanics and Materials, 2014, 492, 467-472. | 0.2 | 4 |

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| 109 | Building Envelope, HVAC Systems and RESs for the Energy Retrofit of a Conference Hall on Naples Promenade. Energy Procedia, 2015, 75, 1261-1268. | 1.8 | 4 |
| 110 | Cost-Effective Refurbishment of Italian Historic Buildings. , 2017, , 553-600. | | 4 |
| 111 | 5.21 Energy Management in Hospitals. , 2018, , 827-854. | | 4 |
| 112 | Numerical investigation of sensible thermal energy storage in high temperature solar systems. WIT Transactions on Modelling and Simulation, 2009, , . | 0.0 | 4 |
| 113 | Scaled models in the analysis of fire-structure interaction. Journal of Physics: Conference Series, 2015, 655, 012053. | 0.3 | 3 |
| 114 | Assessment of pollutants emission of two residential micro-CHP systems. , 2015, , . | | 3 |
| 115 | Technical and economic analysis of green roofs to reduce building cooling needs. , 2015, , 349-378. | | 3 |
| 116 | Optimization of solar energy exploitation for a neighborhood towards nearly zero energy buildings. , 2020, , . | | 3 |
| 117 | An Experimental Study of Radiative Effects on Natural Convection in Air in Convergent Channels. , 2003, , 189. | | 2 |
| 118 | Influence of energy quality management on CO ₂ emissions in operation optimization of a distributed energy system. , 2015, , . | | 2 |
| 119 | Thermal Dynamic Insulation: Numerical Modeling in a Transient Regime and Application to Alternative Aviary Houses. Energy Procedia, 2015, 75, 1711-1721. | 1.8 | 2 |
| 120 | Light and Heavy Energy Refurbishments of Mediterranean Offices. Part I: Energy Audit of an Institutional Building on the Naples Coast. Procedia Engineering, 2017, 180, 1506-1517. | 1.2 | 2 |
| 121 | MORPHOLOGY OF OPEN-CELL FOAMS: A CRITICAL REVIEW AND GEOMETRIC MODELING. Journal of Porous Media, 2019, 22, 869-887. | 1.0 | 2 |
| 122 | Modeling heat conduction in open-cell metal foams by means of the Three-Dimensional Thermal Fin theory. Journal of Physics: Conference Series, 2019, 1224, 012009. | 0.3 | 2 |
| 123 | Numerical Analysis of Opposing Mixed Convection in Air in a Vertical Channel With a Moving Plate. , 2005, , . | | 2 |
| 124 | Quasi-Steady State Numerical Model for a Multilayer Thin Film Irradiated by a Moving Laser Source at High Peclet Numbers. , 2003, , 177. | | 1 |
| 125 | Mixed Convection in Air in an Open Ended Cavity With a Moving Plate Parallel to the Cavity Open Surface. , 2005, , 603. | | 1 |
| 126 | Numerical Model for Multilayer Thin Films Irradiated by a Moving Laser Source. Defect and Diffusion Forum, 2009, 283-286, 352-357. | 0.4 | 1 |

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| 127 | Numerical Investigation on Transient Conjugate Optical-Thermal Fields in Thin Films Irradiated by Moving Sources for Front Treatments. Defect and Diffusion Forum, 0, 297-301, 1439-1444. | 0.4 | 1 |
| 128 | Effect of Impinging Jet on Heat Conduction in Workpieces Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 2011, 312-315, 924-928. | 0.4 | 1 |
| 129 | Analysis of Heat Transfer and Pressure Drop Through Idealized Open Cell Ceramic Foams: Comparison Between Kelvin and Weaire-Phelan Cell Structures. , 2013, , . | | 1 |
| 130 | Microtomography-Based Analysis of Pressure Drop and Heat Transfer Through Open Cell Metal Foams. , 2013, , . | | 1 |
| 131 | Three-dimensional CFD Evaluation of the Characterizing Parameters in the Fire/Structure Interaction. Energy Procedia, 2014, 45, 385-394. | 1.8 | 1 |
| 132 | Artificial Neural Networks for Predicting the Energy Behavior of a Building Category. , 2017, , 305-340. | | 1 |
| 133 | Experimental test of a hot water storage system including a macro-encapsulated phase change material (PCM). Journal of Physics: Conference Series, 2017, 796, 012030. | 0.3 | 1 |
| 134 | Development of an analytical model to investigate the effects of the extraflux versus the sky and the ground and optimization of the radiative characteristics of a thermochromic paint for a typical Italian location. AIP Conference Proceedings, 2019, , . | 0.3 | 1 |
| 135 | Numerical Analysis of Heat Conduction in Cooling of Aluminum Extrusion. , 2002, , 137. | | 0 |
| 136 | Radiative Effects on Mixed Convection in a Uniformly Heated Vertical Convergent Channel with an Unheated Moving Plate. Advances in Applied Mathematics and Mechanics, 2011, 3, 280-296. | 0.7 | 0 |
| 137 | A simplified analytical model of radiative heat transfer in open cell foams. Journal of Physics: Conference Series, 2014, 547, 012045. | 0.3 | 0 |
| 138 | Experimental validation of CFD model of thermal fluxes through a multilayer wall. Journal of Physics: Conference Series, 2017, 796, 012022. | 0.3 | 0 |
| 139 | Numerical analysis of mixed convection in air in an inclined channel with a moving plate. WIT Transactions on Modelling and Simulation, 2007, , . | 0.0 | 0 |
| 140 | Comprehensive insights into the influence of climatic stress on building heating demand. , 2020, , . | | 0 |
| 141 | Functionally-graded foams for volumetric solar receivers. Journal of Physics: Conference Series, 2022, 2177, 012030. | 0.3 | 0 |