

Nejla Mahjoub Saïd

List of Publications by Year in descending order

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335
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Near Source Modeling of Pollutant Emissions From an Elevated Source Over an Urban Area Under Cross High Ventilation. <i>Journal of Thermal Science and Engineering Applications</i> , 2022, 14, . | 1.5 | 1 |
| 2 | Adapting the structural, optical and thermoelectrical properties of thermally annealed silver selenide (AgSe) thin films for improving the photovoltaic characteristics of the fabricated n-AgSe/p-CdTe solar cells. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163374. | 5.5 | 23 |
| 3 | An MHD Flow of Non-Newtonian Fluid Due to a Porous Stretching/Shrinking Sheet with Mass Transfer. <i>Sustainability</i> , 2022, 14, 7020. | 3.2 | 5 |
| 4 | Effect of high gamma irradiation doses on structure and morphology properties for Epoxy resins. <i>Optik</i> , 2021, 226, 165674. | 2.9 | 8 |
| 5 | Numerical study of asymmetric and axisymmetric thermal jet with entropy generation concept. <i>Journal of Mechanical Engineering and Sciences</i> , 2021, 15, 7628-7636. | 0.6 | 0 |
| 6 | Extracting the Optical Parameters of the Fabricated (Al/Bare Borosilicate Crown Glass, BK-7/Ag) Multiple Layers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4326-4337. | 3.7 | 9 |
| 7 | Microwave-assisted green synthesis of nanoscaled titanium oxide: photocatalyst, antibacterial and antioxidant properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23522-23539. | 2.2 | 30 |
| 8 | Review of Natural Convection Within Various Shapes of Enclosures. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11543-11586. | 3.0 | 19 |
| 9 | Heat transfer characteristics induced by multiple tandem elevated inclined jets sources in cross flows. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101163. | 5.7 | 1 |
| 10 | An exhaustive review on natural convection within complex enclosures: Influence of various parameters. <i>Chinese Journal of Physics</i> , 2021, 74, 365-388. | 3.9 | 16 |
| 11 | Fluid flow phenomena in metals processing operations: Numerical description of the fluid flow field by an impinging gas jet on a liquid surface. <i>International Journal of Mechanical Sciences</i> , 2020, 165, 105220. | 6.7 | 9 |
| 12 | Numerical predictions of near field behavior of variable density non-reacting turbulent round jets. <i>International Journal of Heat and Mass Transfer</i> , 2020, 160, 120201. | 4.8 | 4 |
| 13 | A review on thermal energy storage using phase change materials in passive building applications. <i>Journal of Building Engineering</i> , 2020, 32, 101563. | 3.4 | 66 |
| 14 | Characteristics and analysis of a turbulent offset jet including the effect of density and offset height. <i>International Journal of Mechanical Sciences</i> , 2020, 174, 105477. | 6.7 | 9 |
| 15 | Dynamics of the Flow Field Induced by Multiple Elevated Jets in Crossflow. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 110-118. | 0.4 | 0 |
| 16 | Effect of Co-flow Stream on a Plane Turbulent Heated Jet: Concept of Entropy Generation. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 248-256. | 0.4 | 0 |
| 17 | Wind tunnel experiments of multijets in cross flow: Effect of the injection ratio. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 234-246. | 2.7 | 4 |
| 18 | Comparative study of flow characteristics of a single offset jet and a turbulent dual jet. <i>Heat and Mass Transfer</i> , 2019, 55, 1109-1131. | 2.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Entropy generation concept for a turbulent plane jet with variable density. Computers and Fluids, 2018, 168, 328-341. | 2.5 | 10 |
| 20 | CFD Modeling of Wastewater Discharges in a Sewer System. Lecture Notes in Mechanical Engineering, 2018, , 135-146. | 0.4 | 0 |
| 21 | Comparative Investigation of Turbulence Modeling in Counterflowing Jet Predictions. Lecture Notes in Mechanical Engineering, 2018, , 437-447. | 0.4 | 1 |
| 22 | Numerical Study of a Gas Jet Impinging on a Liquid Surface. Lecture Notes in Mechanical Engineering, 2018, , 661-670. | 0.4 | 0 |
| 23 | Numerical Study of Wall Horizontal Turbulent Jet of Freshwater in a Homogeneous Co-flow Stream of Saltwater. Lecture Notes in Mechanical Engineering, 2018, , 791-800. | 0.4 | 0 |
| 24 | Numerical study of local entropy generation in a heated turbulent plane jet developing in a co-flowing stream. Applied Mathematical Modelling, 2018, 62, 605-628. | 4.2 | 7 |
| 25 | Turbulent-Heated Plane Compressible Jet Emerging in a Directed Co-Flowing Stream. Lecture Notes in Mechanical Engineering, 2018, , 581-590. | 0.4 | 0 |
| 26 | Investigation of a turbulent wall jet in forced convection issuing into a directed coflow stream. Journal of Turbulence, 2017, 18, 539-559. | 1.4 | 5 |
| 27 | Numerical study of sediment transport in turbulent two-phase flows around an obstacle. Applied Mathematical Modelling, 2017, 45, 97-122. | 4.2 | 7 |
| 28 | Effect of nozzle-to-plate spacing on the development of a plane jet impinging on a heated plate. Heat and Mass Transfer, 2017, 53, 1305-1314. | 2.1 | 9 |
| 29 | Computational study of mass and heat transport in a counterflowing turbulent round jet. Applied Thermal Engineering, 2016, 105, 724-736. | 6.0 | 11 |
| 30 | Parametric analysis of a round jet impingement on a heated plate. International Journal of Heat and Fluid Flow, 2016, 57, 11-23. | 2.4 | 20 |
| 31 | The effect of coflows on a turbulent jet impacting on a plate. Applied Mathematical Modelling, 2016, 40, 5942-5963. | 4.2 | 10 |
| 32 | A numerical study of a plane turbulent wall jet in a coflow stream. Journal of Hydro-Environment Research, 2016, 12, 16-30. | 2.2 | 11 |
| 33 | Three-dimensional study of turbulent flow characteristics of an offset plane jet with variable density. Heat and Mass Transfer, 2016, 52, 2327-2343. | 2.1 | 7 |
| 34 | Computational study of mixing behaviour of a turbulent jet issuing in a uniform counterflow at low velocity ratios. Journal of Turbulence, 2016, 17, 237-251. | 1.4 | 10 |
| 35 | Twin inclined jets in crossflow: experimental investigation of different flow regimes and jet elevations. Environmental Fluid Mechanics, 2016, 16, 45-67. | 1.6 | 10 |
| 36 | Experimental and numerical study of an offset jet with different velocity and offset ratios. Engineering Applications of Computational Fluid Mechanics, 2015, 9, 490-512. | 3.1 | 8 |

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|----|---|-----|-----------|
| 37 | Numerical study of turbulent round jet in a uniform counterflow using a second order Reynolds Stress Model. Journal of Hydro-Environment Research, 2015, 9, 482-495. | 2.2 | 26 |
| 38 | Simulation of pollutant dispersion of a free surface flow in coastal water. Ocean Engineering, 2015, 108, 81-97. | 4.3 | 12 |
| 39 | Numerical Study of a Turbulent Offset Jet Flow. Lecture Notes in Mechanical Engineering, 2015, , 703-711. | 0.4 | 1 |
| 40 | Computational Study of Velocity Field of a Counterflowing Circular Jet. Lecture Notes in Mechanical Engineering, 2015, , 693-702. | 0.4 | 0 |
| 41 | Numerical study of a turbulent plane jet in a coflow environment. Computers and Fluids, 2014, 89, 20-28. | 2.5 | 13 |
| 42 | Dynamics of the flowfield generated by the interaction of twin inclined jets of variable temperatures with an oncoming crossflow. Heat and Mass Transfer, 2014, 50, 253-274. | 2.1 | 5 |
| 43 | Numerical and experimental study of a jet in a crossflow for different velocity ratio. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2014, 36, 743-762. | 1.6 | 7 |
| 44 | Effect of the coflow stream on a plane wall jet. Heat and Mass Transfer, 2014, 50, 1685-1697. | 2.1 | 9 |
| 45 | Dynamic and mass transfer characteristics of the flow issued from a bent chimney around buildings. Heat and Mass Transfer, 2013, 49, 337-358. | 2.1 | 3 |
| 46 | Temperature impact on the turbulence generated by the interaction of twin inline inclined jets in crossflow. Heat and Mass Transfer, 2013, 49, 629-656. | 2.1 | 6 |
| 47 | Assessment of a Chimney Jet Flowing Around an Obstacle. Heat Transfer Engineering, 2012, 33, 885-904. | 1.9 | 2 |
| 48 | Experimental and numerical analysis of the jet dispersion from a bent chimney around an obstacle. Heat and Mass Transfer, 2011, 47, 323-342. | 2.1 | 3 |
| 49 | Dispersion of Twin Inclined Fume Jets of a Variable Height within a CrossFlow. Defect and Diffusion Forum, 2011, 312-315, 929-934. | 0.4 | 3 |
| 50 | Flow Structure Issued from a Bent Chimney around a Cylindrical Obstacle: Effect of the Aspect Ratio. Defect and Diffusion Forum, 2011, 312-315, 965-970. | 0.4 | 1 |
| 51 | Effect of the Separating Distance of Twin Buildings on the Generated Flow Structure. Defect and Diffusion Forum, 2010, 297-301, 924-929. | 0.4 | 0 |
| 52 | Impact of the initial streamwise inclination of a double jet emitted within a cool crossflow on its temperature field and pollutants dispersion. Heat and Mass Transfer, 2009, 45, 805-823. | 2.1 | 15 |
| 53 | Numerical and experimental study of a double jet inclination variation on its dynamic evolution within a crossflow. Heat and Mass Transfer, 2009, 45, 1597-1616. | 2.1 | 6 |
| 54 | Experimental and numerical modelling of the three-dimensional incompressible flow behaviour in the near wake of circular cylinders. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 471-502. | 3.9 | 37 |

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|----|--|-----|-----------|
| 55 | Wind Tunnel Investigation and Numerical Simulation of the Near Wake Dynamics for Rectangular Obstacles. Environmental Engineering Science, 2008, 25, 1037-1060. | 1.6 | 4 |
| 56 | Flow Field Measurement in a Crossflowing Elevated Jet. Journal of Fluids Engineering, Transactions of the ASME, 2007, 129, 551-562. | 1.5 | 17 |
| 57 | Experimental and numerical analysis of pollutant dispersion from a chimney. Atmospheric Environment, 2005, 39, 1727-1727. | 4.1 | 26 |
| 58 | Three-Dimensional Numerical Calculations of a Jet in an External Cross Flow: Application to Pollutant Dispersion. Journal of Heat Transfer, 2003, 125, 510-522. | 2.1 | 32 |
| 59 | Experimental and Numeric Study of Flow Around a Parallelepiped Obstacle Issued from a Bent Chimney. Defect and Diffusion Forum, 0, 283-286, 346-351. | 0.4 | 1 |
| 60 | Dispersion of Twin Inclined Fume Jets of Variable Temperature within a Crossflow. Defect and Diffusion Forum, 0, 297-301, 936-941. | 0.4 | 1 |
| 61 | Thermal Field of Twin Variably Elevated Tandem Jets in Crossflow. Defect and Diffusion Forum, 0, 348, 155-161. | 0.4 | 3 |
| 62 | Characterization of the Mixing Induced by Multiple Elevated Jets in Cross Flow. Defect and Diffusion Forum, 0, 399, 3-9. | 0.4 | 1 |
| 63 | Magnetohydrodynamics thermogravitational convective in a novel I-shaped wavy-walled enclosure considering various inner hot pipe locations. Journal of Thermal Analysis and Calorimetry, 0, , 1. | 3.6 | 9 |