

Nejla Mahjoub Saïd

List of Publications by Year in descending order

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67
docs citations

67
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Experimental and numerical modelling of the three-dimensional incompressible flow behaviour in the near wake of circular cylinders. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 471-502.	3.9	37
3	Three-Dimensional Numerical Calculations of a Jet in an External Cross Flow: Application to Pollutant Dispersion. <i>Journal of Heat Transfer</i> , 2003, 125, 510-522.	2.1	32
4	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
5	Experimental and numerical analysis of pollutant dispersion from a chimney. <i>Atmospheric Environment</i> , 2005, 39, 1727-1727.	4.1	26
6	Numerical study of turbulent round jet in a uniform counterflow using a second order Reynolds Stress Model. <i>Journal of Hydro-Environment Research</i> , 2015, 9, 482-495.	2.2	26
7	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
8	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
9	Parametric analysis of a round jet impingement on a heated plate. <i>International Journal of Heat and Fluid Flow</i> , 2016, 57, 11-23.	2.4	20
10	Review of Natural Convection Within Various Shapes of Enclosures. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11543-11586.	3.0	19
11	Flow Field Measurement in a Crossflowing Elevated Jet. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2007, 129, 551-562.	1.5	17
12	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
13	Impact of the initial streamwise inclination of a double jet emitted within a cool crossflow on its temperature field and pollutants dispersion. <i>Heat and Mass Transfer</i> , 2009, 45, 805-823.	2.1	15
14	Numerical study of a turbulent plane jet in a coflow environment. <i>Computers and Fluids</i> , 2014, 89, 20-28.	2.5	13
15	Simulation of pollutant dispersion of a free surface flow in coastal water. <i>Ocean Engineering</i> , 2015, 108, 81-97.	4.3	12
16	Computational study of mass and heat transport in a counterflowing turbulent round jet. <i>Applied Thermal Engineering</i> , 2016, 105, 724-736.	6.0	11
17	A numerical study of a plane turbulent wall jet in a coflow stream. <i>Journal of Hydro-Environment Research</i> , 2016, 12, 16-30.	2.2	11
18	The effect of coflows on a turbulent jet impacting on a plate. <i>Applied Mathematical Modelling</i> , 2016, 40, 5942-5963.	4.2	10

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19	Computational study of mixing behaviour of a turbulent jet issuing in a uniform counterflow at low velocity ratios. <i>Journal of Turbulence</i> , 2016, 17, 237-251.	1.4	10
20	Twin inclined jets in crossflow: experimental investigation of different flow regimes and jet elevations. <i>Environmental Fluid Mechanics</i> , 2016, 16, 45-67.	1.6	10
21	Entropy generation concept for a turbulent plane jet with variable density. <i>Computers and Fluids</i> , 2018, 168, 328-341.	2.5	10
22	Effect of the coflow stream on a plane wall jet. <i>Heat and Mass Transfer</i> , 2014, 50, 1685-1697.	2.1	9
23	Effect of nozzle-to-plate spacing on the development of a plane jet impinging on a heated plate. <i>Heat and Mass Transfer</i> , 2017, 53, 1305-1314.	2.1	9
24	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
25	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
26	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
27	Magneto hydrodynamics thermogravitational convective in a novel I-shaped wavy-walled enclosure considering various inner hot pipe locations. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	9
28	Experimental and numerical study of an offset jet with different velocity and offset ratios. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2015, 9, 490-512.	3.1	8
29	Effect of high gamma irradiation doses on structure and morphology properties for Epoxy resins. <i>Optik</i> , 2021, 226, 165674.	2.9	8
30	Numerical and experimental study of a jet in a crossflow for different velocity ratio. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2014, 36, 743-762.	1.6	7
31	Three-dimensional study of turbulent flow characteristics of an offset plane jet with variable density. <i>Heat and Mass Transfer</i> , 2016, 52, 2327-2343.	2.1	7
32	Numerical study of sediment transport in turbulent two-phase flows around an obstacle. <i>Applied Mathematical Modelling</i> , 2017, 45, 97-122.	4.2	7
33	Numerical study of local entropy generation in a heated turbulent plane jet developing in a co-flowing stream. <i>Applied Mathematical Modelling</i> , 2018, 62, 605-628.	4.2	7
34	Numerical and experimental study of a double jet inclination variation on its dynamic evolution within a crossflow. <i>Heat and Mass Transfer</i> , 2009, 45, 1597-1616.	2.1	6
35	Temperature impact on the turbulence generated by the interaction of twin inline inclined jets in crossflow. <i>Heat and Mass Transfer</i> , 2013, 49, 629-656.	2.1	6
36	Dynamics of the flowfield generated by the interaction of twin inclined jets of variable temperatures with an oncoming crossflow. <i>Heat and Mass Transfer</i> , 2014, 50, 253-274.	2.1	5

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37	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
38	An MHD Flow of Non-Newtonian Fluid Due to a Porous Stretching/Shrinking Sheet with Mass Transfer. Sustainability, 2022, 14, 7020.	3.2	5
39	Wind Tunnel Investigation and Numerical Simulation of the Near Wake Dynamics for Rectangular Obstacles. Environmental Engineering Science, 2008, 25, 1037-1060.	1.6	4
40	Wind tunnel experiments of multijets in cross flow: Effect of the injection ratio. Experimental Thermal and Fluid Science, 2019, 105, 234-246.	2.7	4
41	Numerical predictions of near field behavior of variable density non-reacting turbulent round jets. International Journal of Heat and Mass Transfer, 2020, 160, 120201.	4.8	4
42	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
43	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
44	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
45	Thermal Field of Twin Variably Elevated Tandem Jets in Crossflow. Defect and Diffusion Forum, 0, 348, 155-161.	0.4	3
46	Assessment of a Chimney Jet Flowing Around an Obstacle. Heat Transfer Engineering, 2012, 33, 885-904.	1.9	2
47	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
48	Dispersion of Twin Inclined Fume Jets of Variable Temperature within a Crossflow. Defect and Diffusion Forum, 0, 297-301, 936-941.	0.4	1
49	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
50	Comparative Investigation of Turbulence Modeling in Counterflowing Jet Predictions. Lecture Notes in Mechanical Engineering, 2018, , 437-447.	0.4	1
51	Characterization of the Mixing Induced by Multiple Elevated Jets in Cross Flow. Defect and Diffusion Forum, 0, 399, 3-9.	0.4	1
52	Heat transfer characteristics induced by multiple tandem elevated inclined jets sources in cross flows. Case Studies in Thermal Engineering, 2021, 26, 101163.	5.7	1
53	Near Source Modeling of Pollutant Emissions From an Elevated Source Over an Urban Area Under Cross High Ventilation. Journal of Thermal Science and Engineering Applications, 2022, 14, .	1.5	1
54	Numerical Study of a Turbulent Offset Jet Flow. Lecture Notes in Mechanical Engineering, 2015, , 703-711.	0.4	1

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55	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
56	CFD Modeling of Wastewater Discharges in a Sewer System. Lecture Notes in Mechanical Engineering, 2018, , 135-146.	0.4	0
57	Numerical Study of a Gas Jet Impinging on a Liquid Surface. Lecture Notes in Mechanical Engineering, 2018, , 661-670.	0.4	0
58	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
59	Effect of Co-flow Stream on a Plane Turbulent Heated Jet: Concept of Entropy Generation. Lecture Notes in Mechanical Engineering, 2019, , 248-256.	0.4	0
60	Numerical study of asymmetric and axisymmetric thermal jet with entropy generation concept. Journal of Mechanical Engineering and Sciences, 2021, 15, 7628-7636.	0.6	0
61	Computational Study of Velocity Field of a Counterflowing Circular Jet. Lecture Notes in Mechanical Engineering, 2015, , 693-702.	0.4	0
62	Turbulent-Heated Plane Compressible Jet Emerging in a Directed Co-Flowing Stream. Lecture Notes in Mechanical Engineering, 2018, , 581-590.	0.4	0
63	Dynamics of the Flow Field Induced by Multiple Elevated Jets in Crossflow. Lecture Notes in Mechanical Engineering, 2020, , 110-118.	0.4	0