

Nejla Mahjoub Sad

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

349

citations

10

h-index

16

g-index

67

ext. papers

458

ext. citations

2.3

avg, IF

3.64

L-index

#	Paper	IF	Citations
64	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	3.7	36
63	A review on thermal energy storage using phase change materials in passive building applications. <i>Journal of Building Engineering</i> , 2020 , 32, 101563	5.2	32
62	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	1.8	25
61	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	2.3	19
60	Experimental and numerical analysis of pollutant dispersion from a chimney. <i>Atmospheric Environment</i> , 2005 , 39, 1727-1727	5.3	19
59	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	13
58	Flow Field Measurement in a Crossflowing Elevated Jet. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2007 , 129, 551-562	2.1	13
57	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	2.2	12
56	Numerical study of a turbulent plane jet in a coflow environment. <i>Computers and Fluids</i> , 2014 , 89, 20-28	2.8	11
55	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	2.2	10
54	Twin inclined jets in crossflow: experimental investigation of different flow regimes and jet elevations. <i>Environmental Fluid Mechanics</i> , 2016 , 16, 45-67	2.2	9
53	A numerical study of a plane turbulent wall jet in a coflow stream. <i>Journal of Hydro-Environment Research</i> , 2016 , 12, 16-30	2.3	8
52	Computational study of mass and heat transport in a counterflowing turbulent round jet. <i>Applied Thermal Engineering</i> , 2016 , 105, 724-736	5.8	8
51	Simulation of pollutant dispersion of a free surface flow in coastal water. <i>Ocean Engineering</i> , 2015 , 108, 81-97	3.9	7
50	Entropy generation concept for a turbulent plane jet with variable density. <i>Computers and Fluids</i> , 2018 , 168, 328-341	2.8	7
49	The effect of coflows on a turbulent jet impacting on a plate. <i>Applied Mathematical Modelling</i> , 2016 , 40, 5942-5963	4.5	7
48	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	2.1	7

47	Effect of the coflow stream on a plane wall jet. <i>Heat and Mass Transfer</i> , 2014 , 50, 1685-1697	2.2	7
46	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	4.5	7
45	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	2	6
44	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	5.5	6
43	Numerical study of sediment transport in turbulent two-phase flows around an obstacle. <i>Applied Mathematical Modelling</i> , 2017 , 45, 97-122	4.5	5
42	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	2.2	5
41	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	2.2	5
40	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	5.5	4
39	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	2.2	4
38	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	2.2	4
37	Wind Tunnel Investigation and Numerical Simulation of the Near Wake Dynamics for Rectangular Obstacles. <i>Environmental Engineering Science</i> , 2008 , 25, 1037-1060	2	4
36	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	5.7	4
35	An exhaustive review on natural convection within complex enclosures: Influence of various parameters. <i>Chinese Journal of Physics</i> , 2021 , 74, 365-388	3.5	4
34	Wind tunnel experiments of multijets in cross flow: Effect of the injection ratio. <i>Experimental Thermal and Fluid Science</i> , 2019 , 105, 234-246	3	3
33	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	2.2	3
32	Experimental and numerical analysis of the jet dispersion from a bent chimney around an obstacle. <i>Heat and Mass Transfer</i> , 2011 , 47, 323-342	2.2	3
31	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> , 1	3.2	3
30	Effect of high gamma irradiation doses on structure and morphology properties for Epoxy resins. <i>Optik</i> , 2021 , 226, 165674	2.5	3

29	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	4.5	3
28	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	2.1	3
27	Investigation of a turbulent wall jet in forced convection issuing into a directed coflow stream. <i>Journal of Turbulence</i> , 2017 , 18, 539-559	2.1	2
26	Dynamic and mass transfer characteristics of the flow issued from a bent chimney around buildings. <i>Heat and Mass Transfer</i> , 2013 , 49, 337-358	2.2	2
25	Thermal Field of Twin Variably Elevated Tandem Jets in Crossflow. <i>Defect and Diffusion Forum</i> , 2014 , 348, 155-161	0.7	2
24	Assessment of a Chimney Jet Flowing Around an Obstacle. <i>Heat Transfer Engineering</i> , 2012 , 33, 885-904	1.7	2
23	Dispersion of Twin Inclined Fume Jets of a Variable Height within a CrossFlow. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 929-934	0.7	2
22	Review of Natural Convection Within Various Shapes of Enclosures. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	2
21	Magnetohydrodynamics thermogravitational convective in a novel I-shaped wavy-walled enclosure considering various inner hot pipe locations. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	2
20	Dispersion of Twin Inclined Fume Jets of Variable Temperature within a Crossflow. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 936-941	0.7	1
19	Flow Structure Issued from a Bent Chimney around a Cylindrical Obstacle: Effect of the Aspect Ratio. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 965-970	0.7	1
18	Numerical Study of a Turbulent Offset Jet Flow. <i>Lecture Notes in Mechanical Engineering</i> , 2015 , 703-711	0.4	1
17	Numerical Simulation of Wave-Structure Interaction around an Obstacle. <i>Lecture Notes in Mechanical Engineering</i> , 2015 , 683-691	0.4	1
16	Characterization of the Mixing Induced by Multiple Elevated Jets in Cross Flow. <i>Defect and Diffusion Forum</i> , 2020 , 399, 3-9	0.7	1
15	Comparative Investigation of Turbulence Modeling in Counterflowing Jet Predictions. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 437-447	0.4	1
14	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	4.9	0
13	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	
12	Effect of the Separating Distance of Twin Buildings on the Generated Flow Structure. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 924-929	0.7	

11	Experimental and Numeric Study of Flow Around a Parallelepiped Obstacle Issued from a Bent Chimney. <i>Defect and Diffusion Forum</i> , 2009 , 283-286, 346-351	0.7
10	Turbulent-Heated Plane Compressible Jet Emerging in a Directed Co-Flowing Stream. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 581-590	0.4
9	Dynamics of the Flow Field Induced by Multiple Elevated Jets in Crossflow. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 110-118	0.4
8	Evolution of Mean Velocity and Temperature Field of Variable Density Turbulent Rectangular Jet. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 786-794	0.4
7	Flow Structure of an Impinging Plane Jet. <i>Lecture Notes in Mechanical Engineering</i> , 2015 , 713-721	0.4
6	Effect of Froude Number on the Turbulent Wall Jet in Coflow Stream. <i>Lecture Notes in Mechanical Engineering</i> , 2015 , 723-733	0.4
5	CFD Modeling of Wastewater Discharges in a Sewer System. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 135-146	0.4
4	Numerical Study of a Gas Jet Impinging on a Liquid Surface. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 661-670	0.4
3	Numerical Study of Wall Horizontal Turbulent Jet of Freshwater in a Homogeneous Co-flow Stream of Saltwater. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 791-800	0.4
2	Heat transfer characteristics induced by multiple tandem elevated inclined jets sources in cross flows. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101163	5.6
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> , 1-20	1.9