Nejla Mahjoub Sad

List of Publications by Year in Descending Order

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	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. *Journal of Alloys and Compounds*, **2022**, 899, 163374	5.7	4
63	An exhaustive review on natural convection within complex enclosures: Influence of various parameters. *Chinese Journal of Physics*, **2021**, 74, 365-388	3.5	4
62	Effect of high gamma irradiation doses on structure and morphology properties for Epoxy resins. *Optik*, **2021**, 226, 165674	2.5	3
61	Microwave-assisted green synthesis of nanoscaled titanium oxide: photocatalyst, antibacterial and antioxidant properties. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 23522-23539	2.1	3
60	Heat transfer characteristics induced by multiple tandem elevated inclined jets sources in cross flows. *Case Studies in Thermal Engineering*, **2021**, 26, 101163	5.6	
59	Characteristics and analysis of a turbulent offset jet including the effect of density and offset height. *International Journal of Mechanical Sciences*, **2020**, 174, 105477	5.5	4
58	Dynamics of the Flow Field Induced by Multiple Elevated Jets in Crossflow. *Lecture Notes in Mechanical Engineering*, **2020**, 110-118	0.4	
57	Evolution of Mean Velocity and Temperature Field of Variable Density Turbulent Rectangular Jet. *Lecture Notes in Mechanical Engineering*, **2020**, 786-794	0.4	
56	Characterization of the Mixing Induced by Multiple Elevated Jets in Cross Flow. *Defect and Diffusion Forum*, **2020**, 399, 3-9	0.7	1
55	Numerical predictions of near field behavior of variable density non-reacting turbulent round jets. *International Journal of Heat and Mass Transfer*, **2020**, 160, 120201	4.9	0
54	A review on thermal energy storage using phase change materials in passive building applications. *Journal of Building Engineering*, **2020**, 32, 101563	5.2	32
53	Fluid flow phenomena in metals processing operations: Numerical description of the fluid flow field by an impinging gas jet on a liquid surface. *International Journal of Mechanical Sciences*, **2020**, 165, 105220	5.5	6
52	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	
51	Wind tunnel experiments of multijets in cross flow: Effect of the injection ratio. *Experimental Thermal and Fluid Science*, **2019**, 105, 234-246	3	3
50	Comparative study of flow characteristics of a single offset jet and a turbulent dual jet. *Heat and Mass Transfer*, **2019**, 55, 1109-1131	2.2	10
49	Entropy generation concept for a turbulent plane jet with variable density. *Computers and Fluids*, **2018**, 168, 328-341	2.8	7
48	Turbulent-Heated Plane Compressible Jet Emerging in a Directed Co-Flowing Stream. *Lecture Notes in Mechanical Engineering*, **2018**, 581-590	0.4	

47	CFD Modeling of Wastewater Discharges in a Sewer System. *Lecture Notes in Mechanical Engineering*, **2018**, 135-146	0.4	
46	Comparative Investigation of Turbulence Modeling in Counterflowing Jet Predictions. *Lecture Notes in Mechanical Engineering*, **2018**, 437-447	0.4	1
45	Numerical Study of a Gas Jet Impinging on a Liquid Surface. *Lecture Notes in Mechanical Engineering* , **2018**, 661-670	0.4	
44	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	
43	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	4.5	3
42	Investigation of a turbulent wall jet in forced convection issuing into a directed coflow stream. *Journal of Turbulence*, **2017**, 18, 539-559	2.1	2
41	Numerical study of sediment transport in turbulent two-phase flows around an obstacle. *Applied Mathematical Modelling*, **2017**, 45, 97-122	4.5	5
40	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	2.2	4
39	Twin inclined jets in crossflow: experimental investigation of different flow regimes and jet elevations. *Environmental Fluid Mechanics*, **2016**, 16, 45-67	2.2	9
38	Parametric analysis of a round jet impingement on a heated plate. *International Journal of Heat and Fluid Flow*, **2016**, 57, 11-23	2.4	13
37	The effect of coflows on a turbulent jet impacting on a plate. *Applied Mathematical Modelling*, **2016** , 40, 5942-5963	4.5	7
36	A numerical study of a plane turbulent wall jet in a coflow stream. *Journal of Hydro-Environment Research*, **2016**, 12, 16-30	2.3	8
35	Three-dimensional study of turbulent flow characteristics of an offset plane jet with variable density. *Heat and Mass Transfer*, **2016**, 52, 2327-2343	2.2	5
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	2.1	7
33	Computational study of mass and heat transport in a counterflowing turbulent round jet. *Applied Thermal Engineering*, **2016**, 105, 724-736	5.8	8
32	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	2.3	19
31	Simulation of pollutant dispersion of a free surface flow in coastal water. *Ocean Engineering*, **2015**, 108, 81-97	3.9	7
30	Experimental and numerical study of an offset jet with different velocity and offset ratios. *Engineering Applications of Computational Fluid Mechanics*, **2015**, 9, 490-512	4.5	7

29	Numerical Study of a Turbulent Offset Jet Flow. *Lecture Notes in Mechanical Engineering*, **2015**, 703-711	0.4	1
28	Numerical Simulation of Wave-Structure Interaction around an Obstacle. *Lecture Notes in Mechanical Engineering*, **2015**, 683-691	0.4	1
27	Flow Structure of an Impinging Plane Jet. *Lecture Notes in Mechanical Engineering*, **2015**, 713-721	0.4	
26	Effect of Froude Number on the Turbulent Wall Jet in Coflow Stream. *Lecture Notes in Mechanical Engineering*, **2015**, 723-733	0.4	
25	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	2	6
24	Effect of the coflow stream on a plane wall jet. *Heat and Mass Transfer*, **2014**, 50, 1685-1697	2.2	7
23	Thermal Field of Twin Variably Elevated Tandem Jets in Crossflow. *Defect and Diffusion Forum*, **2014**, 348, 155-161	0.7	2
22	Numerical study of a turbulent plane jet in a coflow environment. *Computers and Fluids*, **2014**, 89, 20-28	2.8	11
21	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	2.2	3
20	Dynamic and mass transfer characteristics of the flow issued from a bent chimney around buildings. *Heat and Mass Transfer*, **2013**, 49, 337-358	2.2	2
19	Temperature impact on the turbulence generated by the interaction of twin inline inclined jets in crossflow. *Heat and Mass Transfer*, **2013**, 49, 629-656	2.2	5
18	Assessment of a Chimney Jet Flowing Around an Obstacle. *Heat Transfer Engineering*, **2012**, 33, 885-904	1.7	2
17	Experimental and numerical analysis of the jet dispersion from a bent chimney around an obstacle. *Heat and Mass Transfer*, **2011**, 47, 323-342	2.2	3
16	Dispersion of Twin Inclined Fume Jets of a Variable Height within a CrossFlow. *Defect and Diffusion Forum*, **2011**, 312-315, 929-934	0.7	2
15	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	0.7	1
14	Effect of the Separating Distance of Twin Buildings on the Generated Flow Structure. *Defect and Diffusion Forum*, **2010**, 297-301, 924-929	0.7	
13	Dispersion of Twin Inclined Fume Jets of Variable Temperature within a Crossflow. *Defect and Diffusion Forum*, **2010**, 297-301, 936-941	0.7	1
12	Experimental and Numeric Study of Flow Around a Parallelepiped Obstacle Issued from a Bent Chimney. *Defect and Diffusion Forum*, **2009**, 283-286, 346-351	0.7	

11	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	2.2	12
10	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	2.2	4
9	Wind Tunnel Investigation and Numerical Simulation of the Near Wake Dynamics for Rectangular Obstacles. *Environmental Engineering Science*, **2008**, 25, 1037-1060	2	4
8	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	3.7	36
7	Flow Field Measurement in a Crossflowing Elevated Jet. *Journal of Fluids Engineering, Transactions of the ASME*, **2007**, 129, 551-562	2.1	13
6	Experimental and numerical analysis of pollutant dispersion from a chimney. *Atmospheric Environment*, **2005**, 39, 1727-1727	5.3	19
5	Three-Dimensional Numerical Calculations of a Jet in an External Cross Flow: Application to Pollutant Dispersion. *Journal of Heat Transfer*, **2003**, 125, 510-522	1.8	25
4	Extracting the Optical Parameters of the Fabricated (Al/Bare Borosilicate Crown Glass, BK-7/Ag) Multiple Layers. *Journal of Inorganic and Organometallic Polymers and Materials*,1	3.2	3
3	Review of Natural Convection Within Various Shapes of Enclosures. *Arabian Journal for Science and Engineering*,1	2.5	2
2	Magnetohydrodynamics thermogravitational convective in a novel I-shaped wavy-walled enclosure considering various inner hot pipe locations. *Journal of Thermal Analysis and Calorimetry*,1	4.1	2
1	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*,1-20	1.9	