

# Goodarz Ahmadi

## List of Publications by Year in descending order

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700  
papers

18,746  
citations

21215

62  
h-index

32181

105  
g-index

709  
all docs

709  
docs citations

709  
times ranked

11560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep convolutional generative adversarial networks for the generation of numerous artificial spectrum-compatible earthquake accelerograms using a limited number of ground motion records. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2023, 38, 225-240.	6.3	11
2	Effect of Gaussian size distribution width on minimum fluidization velocity in tapered gas-solid fluidized beds. <i>Particuology</i> , 2022, 66, 71-84.	2.0	9
3	New general models for condensation heat transfer coefficient of carbon dioxide in smooth tubes by intelligent and least square fitting approaches. <i>Journal of Cleaner Production</i> , 2022, 330, 129762.	4.6	13
4	Microfiber transport characterization in human nasal cavity – Effect of fiber length. <i>Journal of Aerosol Science</i> , 2022, 160, 105908.	1.8	3
5	TRANSITION AND LAMINAR FLOWS IN A REALISTIC GEOMETRY OF HUMAN UPPER AIRWAY. <i>Journal of Mechanics in Medicine and Biology</i> , 2022, 22, .	0.3	3
6	Effect of the Shape and Position of the Bridge Pier on the Bed Changes in the Sharp 180-Degree Bend. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 2449-2467.	1.0	5
7	Techno-economic Analysis of Wind Turbines Powering Rural of Malaysia. <i>International Journal of Renewable Energy Development</i> , 2022, 11, 413-421.	1.2	1
8	Robust and General Model to Forecast the Heat Transfer Coefficient for Flow Condensation in Multi Port Mini/Micro-Channels. <i>Processes</i> , 2022, 10, 243.	1.3	6
9	Analysis and optimization of louvered separator using genetic algorithm and artificial neural network. <i>Powder Technology</i> , 2022, 398, 117077.	2.1	4
10	An investigation of finding the best arrangement of hot steam injection holes in the 3D steam turbine blade cascade. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10595-10612.	2.0	5
11	Characterizing respiratory aerosol emissions during sustained phonation. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 689-696.	1.8	6
12	On the variation of fricative airflow dynamics with vocal tract geometry and speech loudness. <i>Aerosol Science and Technology</i> , 2022, 56, 446-460.	1.5	2
13	Computational simulation of water removal from a flat plate, using surface acoustic waves. <i>Wave Motion</i> , 2022, 111, 102867.	1.0	9
14	In-silico investigation of airflow and micro-particle deposition in human nasal airway pre- and post-virtual transnasal sphenoidotomy surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 1000-1014.	0.9	2
15	Numerical analysis of convective heat transfer coefficients at the facades of two cubical buildings in tandem and staggered configurations. <i>Heat and Mass Transfer</i> , 2022, 58, 1979-1996.	1.2	2
16	FSI Simulation of OSAHS and UPPP Virtual Surgery. , 2022, , .		0
17	The effect of axial cyclone inlet velocity and geometrical dimensions on the flow pattern, performance, and acoustic noise. <i>Powder Technology</i> , 2022, 407, 117692.	2.1	12
18	Computational modeling of woodstove pollutants in dilution tunnels. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 700-709.	0.9	1

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19	Computational modeling of fiber transport in human respiratory airwaysâ€”A review. <i>Experimental and Computational Multiphase Flow</i> , 2021, 3, 1-20.	1.9	7
20	Segregation behavior of a ternary mixture of titanium dioxide particles in a pseudo two-dimensional fluidized bed. <i>Particuology</i> , 2021, 54, 78-90.	2.0	6
21	An ensemble model to predict the minimum spouting velocity for two types of spouted beds. <i>Particulate Science and Technology</i> , 2021, 39, 521-529.	1.1	0
22	Numerical simulation of HIFU with dual transducers: The implementation of dual-phase lag bioheat and non-linear Westervelt equations. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105002.	2.9	11
23	Experimental study and visualization of impacting spherical hydrophobic particles on an air â€” Liquid interface: Newtonian and Boger liquid analysis. <i>Chemical Engineering Science</i> , 2021, 229, 116155.	1.9	2
24	Novel designs for square cyclone using rounded corner and double-inverted cones shapes. <i>Powder Technology</i> , 2021, 380, 67-79.	2.1	15
25	Regional deposition of the allergens and micro-aerosols in the healthy human nasal airways. <i>Journal of Aerosol Science</i> , 2021, 152, 105700.	1.8	14
26	The Effect of Inclined Pair Piers on Bed Topography: Clear Water, Incipient Motion and Live Bed. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1871-1890.	1.0	9
27	Experimental and numerical analysis of airflow around a building model with an array of domes. <i>Journal of Building Engineering</i> , 2021, 34, 101901.	1.6	6
28	Investigation of airflow at different activity conditions in a realistic model of human upper respiratory tract. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 173-187.	0.9	15
29	Modeling and analysis of a fully passive swinging sail wind turbine. <i>Wind Energy</i> , 2021, 24, 653-671.	1.9	1
30	Aerosols Transport, Dispersion and Deposition- Applications to Transmission of COVID-19. , 2021, 2, Article ID 2021-0187-Article ID 2021-0187.		0
31	Simulation of a Fast-Charging Porous Thermal Energy Storage System Saturated with a Nano-Enhanced Phase Change Material. <i>Energies</i> , 2021, 14, 1575.	1.6	4
32	Numerical analysis of the mirco-particles distribution inside an underground subway system due to train piston effect. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 211, 104533.	1.7	20
33	Influence of the inlet cross-sectional shape on the performance of a multi-inlet gas cyclone. <i>Powder Technology</i> , 2021, 384, 82-99.	2.1	40
34	Applying genetic programming in estimation of frost layer thickness on horizontal and vertical plates at ultra-low temperature. <i>International Journal of Refrigeration</i> , 2021, 125, 113-121.	1.8	20
35	A low-cost solution for the collection of fine particles in square cyclone: A numerical analysis. <i>Powder Technology</i> , 2021, 387, 454-465.	2.1	18
36	Variability in expiratory trajectory angles during consonant production by one human subject and from a physical mouth model: Application to respiratory droplet emission. <i>Indoor Air</i> , 2021, 31, 1896-1912.	2.0	8

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37	Flow through an elbow: A direct numerical simulation investigating turbulent flow quantities. <i>International Journal of Heat and Fluid Flow</i> , 2021, 90, 108835.	1.1	3
38	Cornâ€™s dextrin, a novel environmentally friendly promoter of methane hydrate formation. <i>Journal of Molecular Liquids</i> , 2021, 336, 116855.	2.3	19
39	CFD study on the effect of gas temperature on the separation efficiency of square cyclones. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	4
40	Latest developments in nanofluid flow and heat transfer between parallel surfaces: A critical review. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102450.	7.0	21
41	Significance of Vocal Tract Geometrical Variations and Loudness on Airflow and Droplet Dispersion in a Two-Dimensional Representation of [F]., 2021, , .		1
42	Recent advances in using nanofluids in renewable energy systems and the environmental implications of their uptake. <i>Nano Energy</i> , 2021, 86, 106069.	8.2	149
43	Computational fluid dynamics study of the impact of surface roughness on cyclone performance and erosion. <i>Powder Technology</i> , 2021, 389, 339-354.	2.1	31
44	COVID-19 spread in a classroom equipped with partitionâ€™ A CFD approach. <i>Journal of Hazardous Materials</i> , 2021, 420, 126587.	6.5	91
45	Particle inhalability of a standing mannequin with large airways in a ventilated room. <i>Computers in Biology and Medicine</i> , 2021, 138, 104858.	3.9	8
46	Robust and universal predictive models for frictional pressure drop during two-phase flow in smooth helically coiled tube heat exchangers. <i>Scientific Reports</i> , 2021, 11, 20068.	1.6	12
47	Nano-particle deposition in axisymmetric annular pipes with thread. <i>Particulate Science and Technology</i> , 2020, 38, 792-800.	1.1	8
48	Direct numerical simulation of freely falling particles by hybrid immersed boundary â€™ Lattice Boltzmann â€™ discrete element method. <i>Particulate Science and Technology</i> , 2020, 38, 286-298.	1.1	1
49	CFD modeling of immiscible liquids turbulent dispersion in Kenics static mixers: Focusing on droplet behavior. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 348-361.	1.7	19
50	Numerical simulation of incipient particle motion. <i>International Journal of Sediment Research</i> , 2020, 35, 1-14.	1.8	5
51	Influence of the dipleg shape on the performance of gas cyclones. <i>Separation and Purification Technology</i> , 2020, 233, 116000.	3.9	64
52	On random walk models for simulation of particle-laden turbulent flows. <i>International Journal of Multiphase Flow</i> , 2020, 122, 103157.	1.6	38
53	Transient numerical simulation of airflow and fibrous particles in a human upper airway model. <i>Journal of Aerosol Science</i> , 2020, 140, 105480.	1.8	29
54	Parametric study and performance analysis of a swinging sail wind machine. <i>Energy Conversion and Management</i> , 2020, 205, 112452.	4.4	3

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55	A model for particle removal from surfaces with large-scale roughness in turbulent flows. <i>Aerosol Science and Technology</i> , 2020, 54, 291-303.	1.5	19
56	Host-to-host airborne transmission as a multiphase flow problem for science-based social distance guidelines. <i>International Journal of Multiphase Flow</i> , 2020, 132, 103439.	1.6	137
57	A state-of-knowledge review on the endurance time method. <i>Structures</i> , 2020, 27, 2288-2299.	1.7	40
58	Deposition fraction of ellipsoidal fibers in the human nasal cavity- Influence of non-creeping formulation of hydrodynamic forces and torques. <i>International Journal of Multiphase Flow</i> , 2020, 126, 103238.	1.6	6
59	NARMAX Identification Based Closed-Loop Control of Flow Separation over NACA 0015 Airfoil. <i>Fluids</i> , 2020, 5, 100.	0.8	9
60	The effect of nasal airway obstruction on the dispersion and deposition of inhaled volatile droplets in the human nasal cavity: A numerical study. <i>Journal of Aerosol Science</i> , 2020, 150, 105650.	1.8	12
61	Thermal microscale gas flow simulation using wall function and bounce-back scheme: Modified lattice Boltzmann method. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104993.	2.9	8
62	A general correlation for the frictional pressure drop during condensation in mini/micro and macro channels. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120475.	2.5	26
63	Study of particle mass loading effects on sand erosion in a series of fittings. <i>Powder Technology</i> , 2020, 373, 118-141.	2.1	14
64	Nano-particle deposition in laminar annular pipe flows. <i>Advanced Powder Technology</i> , 2020, 31, 3134-3143.	2.0	11
65	3D computational modeling of sand erosion in gas-liquid-particle multiphase annular flows in bends. <i>Wear</i> , 2020, 450-451, 203241.	1.5	22
66	Influence of the dipleg and dustbin dimensions on performance of gas cyclones: An optimization study. <i>Separation and Purification Technology</i> , 2020, 239, 116553.	3.9	42
67	Improved Discrete Random Walk Stochastic Model for Simulating Particle Dispersion and Deposition in Inhomogeneous Turbulent Flows. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	16
68	Environmental impact analysis of high-rise buildings for resilient urban development. <i>Scientia Iranica</i> , 2020, 27, 1843-1857.	0.3	3
69	CFD Study of Evaporative Cooling System Integrated to a Windcatcher. , 2020, , .		0
70	Computational Analysis of Fiber Dynamics in Human Nasal Cavity. , 2020, , .		0
71	Particle Transport and Deposition in a Ventilated Room With a Standing Mannequin. , 2020, , .		0
72	A DNS Study of the Dispersion and Deposition of Nano- and Micro-Particles in a Turbulent Channel Flow. , 2020, , .		0

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73	Improved DRW Model for Prediction of Deposition and Dispersion of Nano- and Micro-Particles in Turbulent Flows. , 2020, , .		0
74	CFD Evaluation of Bend Angle Effects on Sand Particle Erosion in Multiphase Flows. , 2020, , .		0
75	TRANSPORT OF A SINGLE SPHERICAL PARTICLE IN LOW REYNOLDS NUMBERSâ€™ LINEAR SHEAR FLOWS: EXPERIMENT AND MODELING. WIT Transactions on Engineering Sciences, 2020, , .	0.0	0
76	CFDâ€™DEM simulation of a pseudo-two-dimensional spouted bed comprising coarse particles. Particuology, 2019, 43, 171-180.	2.0	11
77	Particles dispersion and deposition in inhomogeneous turbulent flows using continuous random walk models. Physics of Fluids, 2019, 31, .	1.6	36
78	Numerical simulation of heat transfer coefficient around different immersed bodies in a fluidized bed containing Geldart B particles. International Journal of Heat and Mass Transfer, 2019, 141, 353-366.	2.5	16
79	Comparison between Nucleate Pool Boiling Heat Transfer of Graphene Nanoplatelet- and Carbon Nanotube- Based Aqueous Nanofluids. ACS Omega, 2019, 4, 19183-19192.	1.6	11
80	Minimising mirror soiling of a PTC plant by an optimum wind barrier design. AIP Conference Proceedings, 2019, , .	0.3	1
81	Investigation of Hydrodynamically Dominated Membrane Rupture, Using Smoothed Particle Hydrodynamicsâ€™ Finite Element Method. Fluids, 2019, 4, 149.	0.8	5
82	3-D numerical analysis of train-induced flow inside four ventilated underground subway stations and connecting tunnels. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 193, 103974.	1.7	32
83	Overview of mechanistic particle resuspension models: comparison with compilation of experimental data. Journal of Adhesion Science and Technology, 2019, 33, 2631-2660.	1.4	20
84	An evolutionary optimization-based approach for simulation of endurance time load functions. Engineering Optimization, 2019, 51, 2069-2088.	1.5	14
85	A numerical study of the train-induced unsteady airflow in a tunnel and its effects on the performance of jet fans. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 187, 1-14.	1.7	22
86	Inertial impaction of particles on a circular cylinder for a wide range of Reynolds and P numbers: A comparative study. Journal of Aerosol Science, 2019, 135, 86-102.	1.8	11
87	Study of erosion prediction of turbulent gas-solid flow in plugged tees via CFD-DEM. Powder Technology, 2019, 352, 136-150.	2.1	39
88	Energy and exergy analysis of intensified condensate stabilization unit with water draw pan. Applied Thermal Engineering, 2019, 155, 49-58.	3.0	7
89	Mathematical model and energy analysis of ethane dehydration in two-layer packed-bed adsorption. Particuology, 2019, 47, 33-40.	2.0	7
90	Numerical assessment of respiratory airway exposure risks to diesel exhaust particles. Experimental and Computational Multiphase Flow, 2019, 1, 51-59.	1.9	14

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91	Modeling of frost thermal conductivity on parallel surface channels. Measurement: Journal of the International Measurement Confederation, 2019, 140, 293-304.	2.5	16
92	Three-dimensional modelling of natural convection and entropy generation in a vertical cylinder under heterogeneous heat flux using nanofluids. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 119-142.	1.6	17
93	A Model for Fuel Spray Formation with Atomizing Air. Fluids, 2019, 4, 20.	0.8	1
94	Turbulent Flow Through a Ducted Elbow and Plugged Tee Geometry: An Experimental and Numerical Study. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	0.8	9
95	Prediction of frost layer over flat plates under natural and forced convection conditions using intelligent and least-square fitting approaches. Applied Thermal Engineering, 2019, 148, 33-42.	3.0	20
96	Enhancing drug delivery to human trachea through oral airway using magnetophoretic steering of microsphere carriers composed of aggregated superparamagnetic nanoparticles and nanomedicine: A numerical study. Journal of Aerosol Science, 2019, 127, 63-92.	1.8	13
97	Recent advances in modeling and simulation of nanofluid flows-Part I: Fundamentals and theory. Physics Reports, 2019, 790, 1-48.	10.3	670
98	Recent advances in modeling and simulation of nanofluid flowsâ€”Part II: Applications. Physics Reports, 2019, 791, 1-59.	10.3	389
99	Effect of flow velocity on fiber efficiency and particle residence time during filtration of aqueous dispersionsâ€”An experimental and simulation study. Particulate Science and Technology, 2019, 37, 161-170.	1.1	7
100	Inclusion of Heat Transfer on Settling Behavior of Elliptical Particles: Immersed Boundary-Thermal Lattice Boltzmann Method. , 2019, , .		3
101	Numerical modeling of particle motion and deposition in turbulent wavy channel flows. Scientia Iranica, 2019, .	0.3	0
102	Accuracy of the CRW Models for Prediction of the Deposition and Dispersion of Particles in Inhomogeneous Turbulent Channel Flows. , 2019, , .		0
103	Numerical Simulations of Turbulent Flow Through a 90Â° Elbow. , 2019, , .		0
104	Numerical Simulation of Airflow and Ellipsoidal Particle Deposition in Human Upper and Central Respiratory Tract. , 2019, , .		0
105	A Numerical Study of Sand Particle Erosion in a Series of Ball Seats in Gas-Particle Two-Phase Flow. , 2019, , .		0
106	Deposition of Ellipsoidal Fibers in Nasal Cavity: Influence of Non-Creeping Flow Conditions. , 2019, , .		0
107	Brownian Diffusion of Nano-Fibers: Application to Mobility Characterizations. , 2019, , .		0
108	A critical review on the use of nanoparticles in liquidâ€”liquid extraction. Chemical Engineering Science, 2018, 183, 148-176.	1.9	28

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109	Issues in Eulerian-Lagrangian modeling of sediment transport under saltation regime. International Journal of Sediment Research, 2018, 33, 441-461.	1.8	31
110	Phase change and deposition of inhaled droplets in the human nasal cavity under cyclic inspiratory airflow. Journal of Aerosol Science, 2018, 118, 64-81.	1.8	24
111	Optimization and Kinetic Model Development for Photocatalytic Dye Degradation. Arabian Journal for Science and Engineering, 2018, 43, 5785-5797.	1.7	12
112	A review on liquid-phase exfoliation for scalable production of pure graphene, wrinkled, crumpled and functionalized graphene and challenges. FlatChem, 2018, 8, 40-71.	2.8	154
113	Numerical investigation of effects of inner cone on flow field, performance and erosion rate of cyclone separators. Separation and Purification Technology, 2018, 201, 223-237.	3.9	75
114	Simulated airflow and rigid fiber behavior in a realistic nasal airway model. Particulate Science and Technology, 2018, 36, 131-140.	1.1	8
115	A facile, bio-based, novel approach for synthesis of covalently functionalized graphene nanoplatelet nano-coolants toward improved thermo-physical and heat transfer properties. Journal of Colloid and Interface Science, 2018, 509, 140-152.	5.0	90
116	An immersed boundary-lattice Boltzmann method combined with a robust lattice spring model for solving flow-structure interaction problems. Applied Mathematical Modelling, 2018, 55, 502-521.	2.2	42
117	Analyzing wind cleaning process on the accumulated dust on solar photovoltaic (PV) modules on flat surfaces. Solar Energy, 2018, 159, 1031-1036.	2.9	71
118	Flame propagation through heterogeneous combustion of hybrid aluminum-boron poly-disperse particle suspensions in air. Fuel, 2018, 215, 714-725.	3.4	9
119	A practical low-cost approach to build membrane electrode assemblies using decal transfer technique. Energy Procedia, 2018, 145, 458-463.	1.8	0
120	CFD modeling and simulation of PEM fuel cell using OpenFOAM. Energy Procedia, 2018, 145, 64-69.	1.8	24
121	Interactions of Flow Structure With Nano- and Micro-Particles in Turbulent Channel Flows. , 2018, , .		0
122	Hybrid LES/RANS Model for Simulation of Particle Dispersion and Deposition. , 2018, , .		1
123	On Non-Spherical Nanoparticle Dynamics in Turbulent Flows. , 2018, , .		0
124	Study of Transmissivity of a Fracture Under Shearing. , 2018, , .		0
125	Numerical Simulation of Airflow and Ellipsoidal Particle Deposition in Human Upper Respiratory Tract. , 2018, , .		0
126	Nano-particle deposition in the presence of electric field. Journal of Aerosol Science, 2018, 126, 169-179.	1.8	24



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127	Multilevel Algorithm for Obtaining the Proper Orthogonal Decomposition. <i>AIAA Journal</i> , 2018, 56, 4423-4436.	1.5	3
128	A Numerical Study of Sand Particle Erosion in Elbow and a Series of Plugged Tees in Gas-Particle Two-Phase Flow. , 2018, , .		0
129	NUMERICAL SIMULATION OF DOUBLE-DIFFUSIVE MIXED CONVECTION IN A HORIZONTAL ANNULUS UNDER TANGENTIAL MAGNETIC FIELD, WITH A ROTATING OUTER CYLINDER. <i>Heat Transfer Research</i> , 2018, 49, 1385-1402.	0.9	0
130	Wind barriers optimization for minimizing collector mirror soiling in a parabolic trough collector plant. <i>Applied Energy</i> , 2018, 225, 413-423.	5.1	27
131	Numerical study of fluid flow and particle dispersion and deposition around two inline buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 385-406.	1.7	15
132	Empirical models for minimum fluidization velocity of particles with different size distribution in tapered fluidized beds. <i>Powder Technology</i> , 2018, 338, 563-575.	2.1	22
133	A numerical study of electric force effects on detachment and deposition of particles due to a falling disk. <i>Journal of Aerosol Science</i> , 2018, 124, 133-145.	1.8	5
134	Computational Modeling of Hydraulic Properties of a Sheared Single Rock Fracture. <i>Transport in Porous Media</i> , 2018, 124, 1-30.	1.2	14
135	CFD modeling of turbulent convection heat transfer of nanofluids containing green functionalized graphene nanoplatelets flowing in a horizontal tube: Comparison with experimental data. <i>Journal of Molecular Liquids</i> , 2018, 269, 152-159.	2.3	39
136	Numerical modeling of sand particle erosion in return bends in gas-particle two-phase flow. <i>Scientia Iranica</i> , 2018, .	0.3	5
137	Foamed Cement Generation Methods: Insights from Macro-Porosity and Void Distribution. <i>ACI Materials Journal</i> , 2018, 115, .	0.3	0
138	Investigation of particle deposition and dispersion using Hybrid LES/RANS model based on Lattice Boltzmann method. <i>Scientia Iranica</i> , 2018, .	0.3	2
139	A CLASS OF SYNCHRONIZED NONLINEAR TWO-DOF SYSTEMS WITH CLOSED FORM SOLUTION. <i>Scientia Iranica</i> , 2018, .	0.3	0
140	Numerical 3D simulation of developing turbulent stratified gas-liquid flow in curved pipes consisting of entrained particles through this type of flow. <i>Scientia Iranica</i> , 2018, .	0.3	0
141	Numerical Simulations on Gas-Liquid-Particle Flows in Three-Phase Slurry Reactors under gravity variation. <i>Scientia Iranica</i> , 2018, .	0.3	0
142	Numerical evaluation of the operating room ventilation performance: ultra-clean ventilation (UCV) systems. <i>Scientia Iranica</i> , 2018, .	0.3	3
143	Computational modeling of the operating room ventilation performance in connection with surgical site infection. <i>Scientia Iranica</i> , 2018, .	0.3	2
144	Lattice Boltzmann method and RANS approach for simulation of turbulent flows and particle transport and deposition. <i>Particuology</i> , 2017, 30, 62-72.	2.0	32

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145	Filtration of aqueous colloidal ceria slurries using fibrous filters – An experimental and simulation study. Separation and Purification Technology, 2017, 176, 231-242.	3.9	18
146	A novel, eco-friendly technique for covalent functionalization of graphene nanoplatelets and the potential of their nanofluids for heat transfer applications. Chemical Physics Letters, 2017, 675, 92-97.	1.2	68
147	Mixing and segregation of solid particles in a conical spouted bed: Effect of particle size and density. Particology, 2017, 32, 132-140.	2.0	41
148	Three-dimensional multiphase flow computational fluid dynamics models for proton exchange membrane fuel cell: A theoretical development. Journal of Computational Multiphase Flows, 2017, 9, 3-25.	0.8	29
149	Mobility of nanofiber, nanorod, and straight-chain nanoparticles in gases. Aerosol Science and Technology, 2017, 51, 587-601.	1.5	10
150	Impacts of the vortex finder eccentricity on the flow pattern and performance of a gas cyclone. Separation and Purification Technology, 2017, 187, 1-13.	3.9	59
151	CFD simulation of reactor furnace of sulfur recovery units by considering kinetics of acid gas (H <sub>2</sub> S) Tj ETQq1 1 0.784314 rgBT /Overl	3.0	26
152	In silico investigation of cornea deformation during irrigation/aspiration in phacoemulsification in cataract surgery. Medical Engineering and Physics, 2017, 43, 77-85.	0.8	5
153	Transformer oils-based graphene quantum dots nanofluid as a new generation of highly conductive and stable coolant. International Communications in Heat and Mass Transfer, 2017, 83, 40-47.	2.9	44
154	Effect of turbulent thermal plume on aspiration efficiency of micro-particles. Building and Environment, 2017, 118, 159-172.	3.0	26
155	Turbulent indoor airflow simulation using hybrid LES/RANS model utilizing Lattice Boltzmann method. Computers and Fluids, 2017, 150, 66-73.	1.3	41
156	Three-dimensional CFD study of conical spouted beds containing heavy particles: Design parameters. Korean Journal of Chemical Engineering, 2017, 34, 1541-1553.	1.2	10
157	Key factors impacting performance of a salinity gradient solar pond exposed to Mediterranean climate. Solar Energy, 2017, 142, 321-329.	2.9	16
158	Experimental and computational study of reaerosolization of 1 to 5 μm PSL microspheres using jet impingement. Aerosol Science and Technology, 2017, 51, 377-387.	1.5	11
159	Numerical Study of Heat Transfer in Turbulent Cross-Flow Over Porous-Coated Cylinder. , 2017, , .		1
160	Lattice Boltzmann Method Simulation of Turbulent Indoor Airflow Using Hybrid LES/RANS Model. , 2017, , .		0
161	Numerical and analytical investigation of irrigant penetration into dentinal microtubules. Computers in Biology and Medicine, 2017, 89, 1-17.	3.9	10
162	Intermolecular interactions and its effect within Cr <sup>3+</sup> -containing atmospheric particulate matter using molecular dynamics simulations. Atmospheric Environment, 2017, 166, 334-339.	1.9	4

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163	Numerical investigation of turbulent airflow and microparticle deposition in a realistic model of human upper airway using LES. <i>Computers and Fluids</i> , 2017, 157, 43-54.	1.3	25
164	Study of environmentally friendly and facile functionalization of graphene nanoplatelet and its application in convective heat transfer. <i>Energy Conversion and Management</i> , 2017, 150, 26-36.	4.4	52
165	Laminar flow drag reduction on soft porous media. <i>Scientific Reports</i> , 2017, 7, 17263.	1.6	18
166	Computational Modeling of Particulate Pollutant Transport in a Ventilated Room in the Presence of Two Heated Breathing and Rotating Manikins. , 2017, , .		0
167	Numerical investigation of transient transport and deposition of microparticles under unsteady inspiratory flow in human upper airways. <i>Respiratory Physiology and Neurobiology</i> , 2017, 244, 56-72.	0.7	46
168	Direct Numerical Simulation of Particle-Fluid Interactions: A review. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2017, 41, 71-89.	0.8	10
169	Direct-forcing immersed boundary - non-Newtonian lattice Boltzmann method for transient non-isothermal sedimentation. <i>Journal of Aerosol Science</i> , 2017, 104, 106-122.	1.8	40
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