

# Smaeyl Hassanzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

174  
citations

1478505

6  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

204  
citing authors

#	ARTICLE	IF	CITATIONS
1	The vital importance of dispersive fluxes on turbulent flow and pollution ventilation in street canyons. <i>Urban Climate</i> , 2022, 41, 101032.	5.7	2
2	Large eddy simulation study of thermal effects on street canyon flow patterns. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	1
3	An LES study of aerodynamic effect of trees on traffic pollutant dispersion in an ideal street canyon. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	4
4	The results of optical guidance of flowing particles to the probe volume of Dual-Beam Velocimetry. <i>Optik</i> , 2021, 225, 165771.	2.9	3
5	Flow and pollution concentration large-Eddy simulation and transition conditions for different street canyons and wind speeds: Environmental pollution reduction approach. <i>Urban Climate</i> , 2021, 35, 100731.	5.7	11
6	Laguerre-Gaussian beams as an optical pipeline: Optical forces and intra-fluid micro particle movements. <i>Optik</i> , 2021, 234, 166591.	2.9	1
7	Condensation aerosol counting of guided particle by a single-charged Bessel-Gaussian beam as an optical tube. <i>Optik</i> , 2021, 245, 167659.	2.9	1
8	Simulation of motion of charged particle within a fluid in an optical tube. <i>Optik</i> , 2019, 193, 162983.	2.9	2
9	Reynolds number and diffusion coefficient of micro- and nano-aerosols in optical pipelines. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	4
10	Large eddy simulation of the Ekman transport in a stratified coastal sea: A case study of the Persian Gulf. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 212, 372-386.	2.1	3
11	Analytical solution of electromagnetic radiation by a vertical electric dipole inside the earth and the effect of atmospheric electrical conductivity inhomogeneity. <i>Advances in Space Research</i> , 2017, 60, 1949-1957.	2.6	3
12	The Role of Wind in Modeling of Oil Pollution Transport and Diffusion in the Persian Gulf. <i>Environmental Modeling and Assessment</i> , 2016, 21, 721-730.	2.2	3
13	Behaviour of surface atmospheric flow passing over the northeast of the Persian Gulf. <i>Meteorological Applications</i> , 2014, 21, 271-277.	2.1	2
14	Dispersion and deposition mechanisms of particles suspended in a turbulent plane Couette flow. <i>Applied Mathematical Modelling</i> , 2013, 37, 2417-2429.	4.2	2
15	The Impact of Physical Processes on Oil Pollution Diffusion in the Persian Gulf. <i>Environmental Forensics</i> , 2013, 14, 312-323.	2.6	4
16	Penetration efficiency of nanometer-sized aerosol particles in tubes under turbulent flow conditions. <i>Journal of Aerosol Science</i> , 2012, 50, 11-25.	3.8	19
17	Three-dimensional numerical modeling of the water exchange between the Persian Gulf and the Gulf of Oman through the Strait of Hormuz. <i>Oceanological and Hydrobiological Studies</i> , 2012, 41, 85-98.	0.7	9
18	Numerical modelling of salinity variations due to wind and thermohaline forcing in the Persian Gulf. <i>Applied Mathematical Modelling</i> , 2011, 35, 1512-1537.	4.2	23

#	ARTICLE	IF	CITATIONS
19	238U, 232Th, 40K and 137Cs activity concentrations along the southern coast of the Caspian Sea, Iran. Marine Pollution Bulletin, 2009, 58, 658-662.	5.0	65
20	Characterization of a Modified Expansion Condensation Particle Counter for Detection of Nanometer-Sized Particles. Aerosol Science and Technology, 2009, 43, 767-780.	3.1	12