

# Renata Gnatowska

## List of Publications by Year in descending order

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32  
papers

456  
citations

840776

11  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyhedral meshing in numerical analysis of conjugate heat transfer. EPJ Web of Conferences, 2018, 180, 02096.	0.3	82
2	Polyhedral meshing as an innovative approach to computational domain discretization of a cyclone in a fluidized bed CLC unit. E3S Web of Conferences, 2017, 14, 01027.	0.5	61
3	Current status of wind energy policy in Poland. Renewable Energy, 2019, 135, 232-237.	8.9	50
4	Comparative Analysis of the Combustion Stability of Diesel-Methanol and Diesel-Ethanol in a Dual Fuel Engine. Energies, 2019, 12, 971.	3.1	40
5	Numerical Analysis of Flow in Building Arrangement: Computational Domain Discretization. Applied Sciences (Switzerland), 2019, 9, 941.	2.5	18
6	A Study of Downwash Effects on Flow and Dispersion Processes around Buildings in Tandem Arrangement. Polish Journal of Environmental Studies, 0, 24, 1571-1577.	1.2	18
7	CFD modelling and PIV experimental validation of flow fields in urban environments. E3S Web of Conferences, 2017, 14, 01034.	0.5	17
8	The Place of Photovoltaics in Poland's Energy Mix. Energies, 2021, 14, 1471.	3.1	16
9	Impact of Wind on the Movement of the Load Carried by Rotary Crane. Applied Sciences (Switzerland), 2019, 9, 3842.	2.5	15
10	Impact of the downstream cylinder displacement speed on the hysteresis limits in a flow around two rectangular objects in tandem – PIV study of the process. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 184-189.	3.9	13
11	A study of liquid spreading in laboratory scale random packing column with an optical method supplemented with liquid holdup characteristics. Experimental Thermal and Fluid Science, 2018, 96, 162-168.	2.7	12
12	Wind Energy in Poland - economic analysis of wind farm. E3S Web of Conferences, 2017, 14, 01013.	0.5	11
13	Wind-induced pressure loads on buildings in tandem arrangement in urban environment. Environmental Fluid Mechanics, 2019, 19, 699-718.	1.6	11
14	Modeling of Thermal Cycle CI Engine with Multi-Stage Fuel Injection. Advances in Science and Technology Research Journal, 2017, 11, 179-186.	0.8	11
15	The influence of distance between vehicles in platoon on aerodynamic parameters. EPJ Web of Conferences, 2018, 180, 02030.	0.3	10
16	Combustion of different reactivity fuel mixture in a dual fuel engine. Thermal Science, 2018, 22, 1285-1297.	1.1	10
17	Aerodynamic Characteristics of Three-Dimensional Surface-Mounted Objects in Tandem Arrangement. International Journal of Turbo and Jet Engines, 2011, 28, .	0.7	9
18	Influence of wind on the movement of the load. Journal of Physics: Conference Series, 2018, 1101, 012005.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Simulation research of a wind turbine using SolidWorks software. Journal of Physics: Conference Series, 2019, 1398, 012001.	0.4	7
20	Synchronization Phenomena in Systems of Bluff-Bodies. International Journal of Turbo and Jet Engines, 2008, 25, .	0.7	6
21	Numerical analysis of heat transfer around 2D circular cylinder in pulsation inflow. AIP Conference Proceedings, 2015, , .	0.4	6
22	Polyhedral meshing in numerical analysis of conjugate heat transfer. EPJ Web of Conferences, 2018, 180, 02096.	0.3	5
23	Use of Hydrothermal Carbonization and Cold Atmospheric Plasma for Surface Modification of Brewer's Spent Grain and Activated Carbon. Energies, 2022, 15, 4396.	3.1	5
24	Numerical analysis of wind flow and erosion in flow around the bump terrain. AIP Conference Proceedings, 2015, , .	0.4	4
25	Numerical modelling of flow field within a packed bed of granular material. Journal of Physics: Conference Series, 2018, 1101, 012036.	0.4	4
26	Pollutant Dispersion in Flow Around Bluff-Bodies Arrangement. , 2007, , 49-53.		3
27	Flow Dynamics in the Vicinity of Tandem Buildings. EPJ Web of Conferences, 2018, 180, 02029.	0.3	2
28	Effect of inlet conditions for numerical modelling of the urban boundary layer. AIP Conference Proceedings, 2018, , .	0.4	2
29	Impact analysis performance injection in polymer composites processing shrinkage. AIP Conference Proceedings, 2015, , .	0.4	1
30	Numeric modelling of the temperature distribution of moulded piece in the simulation of injection molding process. AIP Conference Proceedings, 2015, , .	0.4	0
31	The role of inflow boundary layer thickness for numerical modelling of flow around bluff bodies of built-up areas. MATEC Web of Conferences, 2018, 157, 02011.	0.2	0
32	On dynamics of the flow in gap between two buildings in tandem configuration. EPJ Web of Conferences, 2022, 264, 01046.	0.3	0