Andrei Burlacu

List of Publications by Year
in descending order

22	128	1684188 5	1281871 11
papers	citations	h-index	g-index

23	23	23	83
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering properties of concrete with polystyrene granules. Procedia Manufacturing, 2018, 22, 288-293.	1.9	29
2	Energy efficient heat pipe heat exchanger for waste heat recovery in buildings. Procedia Manufacturing, 2018, 22, 714-721.	1.9	23
3	Sustainable Development of Human Society in Terms of Natural Depleting Resources Preservation Using Natural Renewable Raw Materials in a Novel Ecological Material Production. Sustainability, 2020, 12, 2651.	3.2	15
4	Experimental Investigation on Mechanical and Thermal Properties of Concrete Using Waste Materials as an Aggregate Substitution. Materials, 2022, 15, 1728.	2.9	12
5	A Heat Pipe Cooler for High Power LEDâ€™s Cooling in Harsh Conditions. Procedia Manufacturing, 2019, 32, 513-519.	1.9	9
6	Energy efficient phase change materials used for an originally designed heat recovery system. Procedia Manufacturing, 2019, 32, 496-503.	1.9	6
7	FLY ASH CEMENT CONCRETE WITH STEEL FIBERS - COMPARATIVE STUDY. Environmental Engineering and Management Journal, 2017, 16, 1123-1128.	0.6	5
8	Innovative system for heat recovery from used water in the building sector. Procedia Manufacturing, 2018, 22, 722-729.	1.9	4
9	Experimental Study for Data Validation Regarding the Flow Movement in Natural Convection in an Asymmetrical Heated Vertical Channel. Applied Mechanics and Materials, 2014, 659, 313-318.	0.2	3
10	CFD Heat Transfer Analysis for Heat Pipes Integration into Buildings with Glazed FaÃ§ades. Procedia Engineering, 2017, 181, 658-665.	1.2	3
11	Numerical analysis of the thermal comfort in a church building. E3S Web of Conferences, 2019, 85, 02008.	0.5	3
12	Experimental and Numerical Study of Thermal Performance of an Innovative Waste Heat Recovery System. Applied Sciences (Switzerland), 2021, 11, 11542.	2.5	3
13	Integrated System for Producing, Transporting and Consuming the Unconventional Energy for a Residential Building. Applied Mechanics and Materials, 0, 659, 425-430.	0.2	2
14	Efficient Ways of Turning to Account Geothermal Energy for Heating in Energy Efficient Buildings. Advanced Engineering Forum, 2017, 21, 437-444.	0.3	2
15	CFD analysis of an innovative heat recovery system. Procedia Manufacturing, 2019, 32, 488-495.	1.9	2
16	Numerical Investigation of a Novel Heat Pipe Radiant Floor Heating System with Integrated Phase Change Materials. Proceedings (mdpi), 2020, 63, 15.	0.2	2
17	ENERGY EFFICIENT PIPE HEAT EXCHANGER FOR WASTE HEAT RECOVERY FROM EXHAUST FLUE GASES. Environmental Engineering and Management Journal, 2017, 16, 1107-1113.	0.6	2
18	Study Regarding the Wind Action on the Functioning of Chimneys. Applied Mechanics and Materials, 2014, 659, 349-352.	0.2	1

#	Article	IF	Citations
19	Numerical Study Regarding the Flow Movement in Natural Convection in an Asymmetrical Heated Vertical Channel. Applied Mechanics and Materials, 2014, 659, 319-324.	0.2	1
20	CFD analysis of a dual heat recovery system. E3S Web of Conferences, 2019, 85, 02007.	0.5	1
21	An Interesting Approach for Icing Prevention of Walkways for Romaniaâ€™s Climatic Conditions. Procedia Manufacturing, 2020, 46, 424-431.	1.9	0
22	ECO-FRIENDLY CONCRETE FROM WASTES. Environmental Engineering and Management Journal, 2017, 17, 2969-2976.	0.6	0