

Boris Igor Palella

List of Publications by Year in descending order

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46
papers

1,437
citations

331259

21
h-index

329751

37
g-index

47
all docs

47
docs citations

47
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal comfort: Design and assessment for energy saving. Energy and Buildings, 2014, 81, 326-336.	3.1	129
2	PMVâ€™PPD and acceptability in naturally ventilated schools. Building and Environment, 2013, 67, 129-137.	3.0	119
3	The role of measurement accuracy on the thermal environment assessment by means of PMV index. Building and Environment, 2011, 46, 1361-1369.	3.0	113
4	Thermal Environment Assessment Reliability Using Temperature â€™Humidity Indices. Industrial Health, 2011, 49, 95-106.	0.4	103
5	On the measurement of the mean radiant temperature and its influence on the indoor thermal environment assessment. Building and Environment, 2013, 63, 79-88.	3.0	93
6	Povl Ole Fangerâ€™s impact ten years later. Energy and Buildings, 2017, 152, 243-249.	3.1	76
7	WBGT Index Revisited After 60 Years of Use. Annals of Occupational Hygiene, 2014, 58, 955-70.	1.9	75
8	On the Effect of Thermophysical Properties of Clothing on the Heat Strain Predicted by PHS Model. Annals of Occupational Hygiene, 2016, 60, 231-251.	1.9	49
9	Evaluation of the metabolic rate based on the recording of the heart rate. Industrial Health, 2017, 55, 219-232.	0.4	44
10	On the hydrothermal stability of CuAPSO-34 microporous catalysts for N2O decomposition: a comparison with CuZSM-5. Journal of Catalysis, 2003, 217, 100-106.	3.1	43
11	Fifty Years of PMV Model: Reliability, Implementation and Design of Software for Its Calculation. Atmosphere, 2020, 11, 49.	1.0	41
12	The museum environment: A protocol for evaluation of microclimatic conditions. Energy and Buildings, 2015, 95, 124-129.	3.1	40
13	Notes on the Calculation of the PMV Index by Means of Apps. Energy Procedia, 2016, 101, 249-256.	1.8	40
14	On the interaction between lighting and thermal comfort: An integrated approach to IEQ. Energy and Buildings, 2021, 231, 110570.	3.1	37
15	Heat accounting in historical buildings. Energy and Buildings, 2015, 95, 47-56.	3.1	32
16	Title is missing!. Topics in Catalysis, 2003, 22, 53-57.	1.3	31
17	Catalytic DeNO activity of cobalt and copper ions in microporous MeALPO-34 and MeAPSO-34. Catalysis Today, 2002, 75, 359-365.	2.2	30
18	Fifty years of Fanger's equation: Is there anything to discover yet?. International Journal of Industrial Ergonomics, 2018, 66, 157-160.	1.5	30

#	ARTICLE	IF	CITATIONS
19	Influence of Measurement Uncertainties on the Thermal Environment Assessment. International Journal of Thermophysics, 2012, 33, 1616-1632.	1.0	28
20	Notes on the implementation of the IREQ model for the assessment of extreme cold environments. Ergonomics, 2013, 56, 707-724.	1.1	25
21	Experimental Air-Tightness Analysis in Mediterranean Buildings after Windows Retrofit. Sustainability, 2016, 8, 991.	1.6	23
22	On the Problems Related to Natural Wet Bulb Temperature Indirect Evaluation for the Assessment of Hot Thermal Environments by Means of WBGT. Annals of Occupational Hygiene, 2012, 56, 1063-79.	1.9	21
23	An IoT Integrated Tool to Enhance User Awareness on Energy Consumption in Residential Buildings. Atmosphere, 2019, 10, 743.	1.0	21
24	On the Transition Thermal Discomfort to Heat Stress as a Function of the PMV Value. Industrial Health, 2013, 51, 285-296.	0.4	20
25	The role of measurement accuracy on the heat stress assessment according to ISO 7933: 2004. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	20
26	Mean Radiant Temperature Measurements through Small Black Globes under Forced Convection Conditions. Atmosphere, 2021, 12, 621.	1.0	19
27	On the measurement of the mean radiant temperature by means of globes: An experimental investigation under black enclosure conditions. Building and Environment, 2021, 193, 107655.	3.0	18
28	On the management and prevention of heat stress for crews onboard ships. Ocean Engineering, 2016, 112, 277-286.	1.9	17
29	Enhancement of hydrothermal stability of Cu-ZSM5 catalyst for NO decomposition. Kinetics and Catalysis, 2006, 47, 728-736.	0.3	15
30	On the activity and hydrothermal stability of CuMCM-22 in the decomposition of nitrogen oxides: a comparison with CuZSM-5. Catalysis Communications, 2004, 5, 191-194.	1.6	14
31	An Experimental Investigation on the Air Permeability of Passive Ventilation Grilles. Energy Procedia, 2015, 78, 2869-2874.	1.8	9
32	Heat stress assessment in artistic glass units. Industrial Health, 2018, 56, 171-184.	0.4	8
33	A General Approach for Retrofit of Existing Buildings Towards NZEB: The Windows Retrofit Effects on Indoor Air Quality and the Use of Low Temperature District Heating. , 2018, , .		8
34	An Integrated Methodology of Subjective Investigation for a Sustainable Indoor Built Environment. The Case Study of a University Campus in Italy. Atmosphere, 2021, 12, 1272.	1.0	7
35	Thermal comfort in Supermarket's refrigerated areas: An integrated survey in central Italy. Building and Environment, 2019, 166, 106410.	3.0	6
36	Synthesis, Spectroscopic and Catalytic Properties of Cobalt and Copper Ions in Aluminophosphates with Chabasite-Like Structure. Studies of the NO Reactivity. Studies in Surface Science and Catalysis, 2001, , 269-277.	1.5	5

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37	Simultaneous NO and N2O decomposition on Cu-ZSM5. Studies in Surface Science and Catalysis, 2000, 130, 911-916.	1.5	4
38	Analysis of evapotranspiration processes in the Sassi of Matera (southern Italy). Energy Procedia, 2017, 133, 109-120.	1.8	4
39	On the Evolution of Thermoregulation Models. Ergonomics International Journal, 2017, 1, .	0.0	4
40	A kinetic study of NO decomposition on Cu-ZSM5. Studies in Surface Science and Catalysis, 2001, 140, 377-390.	1.5	3
41	30-P-31-NOx reactivity on microporous MeAPOs. spectroscopic and catalytic studies. Studies in Surface Science and Catalysis, 2001, , 328.	1.5	3
42	Hue-Heat Hypothesis: A Step forward for a Holistic Approach to IEQ. E3S Web of Conferences, 2019, 111, 02038.	0.2	3
43	Thermal comfort and visual interaction: a subjective survey. IOP Conference Series: Materials Science and Engineering, 2019, 609, 042061.	0.3	3
44	The heating system of the Piccole Terme in Baia: Some hypotheses. Measurement: Journal of the International Measurement Confederation, 2018, 118, 387-397.	2.5	2
45	An Ergonomic Approach of IEQ Assessment: A Case Study. Advances in Intelligent Systems and Computing, 2019, , 504-513.	0.5	2
46	Confronto sperimentale tra tecniche di misura della ventilazione naturale degli edifici. Aicarr Journal, 2019, 59, 45.	0.4	0