

Michal Kraus

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

142
citations

1478505

6
h-index

1588992

8
g-index

65
all docs

65
docs citations

65
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Location as a Determinative Factor of Building Airtightness. Procedia Engineering, 2016, 161, 1532-1537.	1.2	8
2	Seasonal and Floor Variations of Indoor Radon Concentration. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012127.	0.3	8
3	The Indoor Microclimate of Prefabricated Buildings for Housing: Interaction of Environmental and Construction Measures. Sustainability, 2020, 12, 10119.	3.2	8
4	Particulate Matter Mass Concentration in Residential Prefabricated Buildings Related to Temperature and Moisture. IOP Conference Series: Materials Science and Engineering, 2017, 245, 042068.	0.6	7
5	Material VOC Emissions and Indoor Air Quality Simulation. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052082.	0.6	7
6	Gender Differences in Perception of Indoor Environmental Quality (IEQ). IOP Conference Series: Materials Science and Engineering, 2019, 603, 052084.	0.6	6
7	Assessment of the Indoor Environment for Education. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012144.	0.3	6
8	Assessment of indoor air quality in university classrooms. MATEC Web of Conferences, 2019, 279, 03012.	0.2	6
9	Characterization of Responsive Plasters for Passive Moisture and Temperature Control. Applied Sciences (Switzerland), 2020, 10, 9116.	2.5	6
10	Influence of Building Materials on Building Airtightness. Applied Mechanics and Materials, 2013, 372, 195-198.	0.2	5
11	Biotic Attack in Claddings of Prefabricated Buildings. Applied Mechanics and Materials, 0, 372, 189-194.	0.2	5
12	Risk Assessment of Airtightness of Building Envelope. Applied Mechanics and Materials, 2016, 824, 657-665.	0.2	5
13	Indoor Noise Loading in Residential Prefabricated Buildings. IOP Conference Series: Materials Science and Engineering, 2017, 245, 082028.	0.6	5
14	Airtightness of Energy Efficient Buildings. , 2013, , .		5
15	Analysis of the Building Materials in the Energy Efficient Buildings. Advanced Materials Research, 2014, 1041, 3-6.	0.3	4
16	Assessment of Selected Interior Flooring Materials On Indoor Air Quality. Procedia Engineering, 2016, 161, 1527-1531.	1.2	4
17	Smart Green Bridge - Wildlife Crossing Bridges of New Generation. IOP Conference Series: Materials Science and Engineering, 2020, 728, 012010.	0.6	4
18	The Evaluation of Nearly Zero Energy Buildings in the Czech Republic. Advanced Materials Research, 2013, 649, 15-18.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Diagnostics of Current Developments in the Field of Building Airtightness. Applied Mechanics and Materials, 0, 501-504, 2227-2230.	0.2	3
20	Hygrothermal Analysis of Indoor Environment of Residential Prefabricated Buildings. IOP Conference Series: Materials Science and Engineering, 2017, 245, 042071.	0.6	3
21	Mechanization for Optimal Landscape Reclamation. IOP Conference Series: Earth and Environmental Science, 2017, 95, 022042.	0.3	3
22	Indoor Environment in Residential Prefabricated Buildings. IOP Conference Series: Materials Science and Engineering, 2017, 245, 042072.	0.6	3
23	INDOOR TVOC AND ODOR POLLUTION – CHEMICAL AND SENSORY ASSESSMENT USING THE GLASS TEST CHAMBER. JP Journal of Heat and Mass Transfer, 2018, 15, 653-673.	0.2	3
24	Analysis of the Degradation of External Plasters in the Buildings with ETICS. Advanced Materials Research, 2014, 1041, 15-18.	0.3	2
25	Contemporary State and Development of a Concept of Passive House. Applied Mechanics and Materials, 0, 824, 403-410.	0.2	2
26	Defects, faults and accidents of contemporary constructions. MATEC Web of Conferences, 2017, 93, 03004.	0.2	2
27	Defects, faults and accidents of contemporary constructions. MATEC Web of Conferences, 2017, 93, 03004.	0.2	2
28	Life-cycle assessment of the contemporary standardized wall systems. MATEC Web of Conferences, 2019, 279, 03010.	0.2	2
29	A Study of Perceived Air Quality and Odours. IOP Conference Series: Materials Science and Engineering, 0, 471, 092004.	0.6	2
30	Carbon Dioxide Concentration in the Bedroom for Various Natural Ventilation Modes. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052100.	0.6	2
31	Indoor Environmental Quality Determinants in the Buildings. IOP Conference Series: Materials Science and Engineering, 2020, 960, 042092.	0.6	2
32	VOCs Emission Simulation of Common Flooring Materials. IOP Conference Series: Materials Science and Engineering, 2020, 960, 042093.	0.6	2
33	EXPLORING DETERMINING FACTORS OF INDOOR ENVIRONMENT QUALITY (IEQ)., 2018,, .		2
34	The Influence of Construction Fillings of Building on Airtightness. Advanced Materials Research, 2014, 899, 166-169.	0.3	1
35	The Statistical Verification of Significance of Airtightness and Energy Performance. Applied Mechanics and Materials, 0, 789-790, 1181-1184.	0.2	1
36	Risk assessments of contemporary accidents in construction industry. MATEC Web of Conferences, 2018, 146, 03004.	0.2	1

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37	Color as a Psychological Agent to Perceived Indoor Environmental Quality. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052097.	0.6	1
38	INDOOR AIR QUALITY ANALYSIS OF RESIDENTIAL BUILDINGS. , 2017, , .		1
39	The Evaluation of Non-Renewable Primary Energy as Part of Energy Performance Certificates. Advanced Materials Research, 2014, 1041, 222-225.	0.3	0
40	The Analysis of the Influence of Boundary Conditions on the Energy Performance of Houses. Advanced Materials Research, 0, 1020, 513-517.	0.3	0
41	Assessment of Carrying Capacity of Timber Element Using SBRA Method. IOP Conference Series: Materials Science and Engineering, 2017, 245, 022008.	0.6	0
42	Additional Equipment for Soil Biodegradation. IOP Conference Series: Earth and Environmental Science, 2017, 95, 052010.	0.3	0
43	Life-Cycle Assessment of Sustainable Foundation Systems of Buildings. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052078.	0.6	0
44	Impact of Material Surface Roughness on the Concentration of Particulate Emission. IOP Conference Series: Materials Science and Engineering, 2019, 471, 092089.	0.6	0
45	Biochar for Vertical Greenery Systems. Energies, 2020, 13, 6320.	3.1	0
46	Level of Total Volatile Organic Compounds (TVOC) in the context of Indoor Air Quality (IAQ) in Office Buildings. IOP Conference Series: Materials Science and Engineering, 2020, 728, 012012.	0.6	0
47	THE ENERGY DIAGNOSTIC OF THE CURRENT TRENDS IN THE CONSTRUCTION OF SINGLE-FAMILY RESIDENTIAL BUILDINGS. , 2014, , .		0
48	THE IMPORTANCE OF QUALITY OF REALIZATION ON AIRTIGHTNESS OF BUILDING ENVELOPE. , 2015, , .		0
49	PERCEIVED INDOOR THERMAL CONDITIONS AND PROGRESIVE INDOOR TECHNOLOGIES. , 2017, , .		0
50	ASSESSMENT AND OPTIMIZATION OF INDOOR ENVIRONMENT IN TERMS OF HYGRO-THERMAL MICROCLIMATE. , 2017, , .		0
51	IMPACT INDOOR AIR QUALITY ON PRODUCTIVITY AND PERFORMANCE. , 2017, , .		0
52	INDOOR AIR QUALITY OF ENVIRONMENT USED FOR EDUCATION. , 2018, , .		0
53	IMPACT OF HYGRO-THERMAL CONDITIONS ON INDOOR AIR QUALITY. , 2018, , .		0
54	AIRTIGHTNESS OF ENERGY-EFFICIENT BUILDINGS IN THE UK. , 2018, , .		0

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55	ENVIRONMENTAL PERSPECTIVE OF THERMAL INSULATION. , 2018, , .		0
56	TVOC EMISSIONS FROM BUILDING MATERIALS AND VENTILATION RATE $\dot{v}_e^{1/2}$ CASE STUDY. , 2019, , .		0
57	GREEN CONSTRUCTION AS ESSENTIAL APPROACH IN SUSTAINABLE DESIGN: COMPREHENSIVE REVIEW. , 2019, , .		0
58	ASSESSMENT OF THE SUSTAINABILITY OF THE FLAT ROOF SYSTEMS. , 2019, , .		0
59	INVESTIGATION OF INDOOR AIR QUALITY IN THE NURSERY SCHOOL. , 2019, , .		0
60	ENERGY PERFORMANCE OF THE COMMERCIAL BUILDINGS WITH THE GLASS FACADES. , 2019, , .		0
61	RISKS AND INTEGRATIVE APPROACH TO INDOOR ENVIRONMENT QUALITY IN BUILDINGS. , 2020, , .		0
62	ECONOMIC EVALUATION OF THE ENVIRONMENTAL IMPACTS OF CURRENT SYSTEMS OF FLAT ROOFS. , 2020, , .		0
63	Indoor Air Pollution in Housing Units. IOP Conference Series: Materials Science and Engineering, 2021, 1203, 022071.	0.6	0
64	INDOOR NO _x POLLUTION OF INDOOR WORKING ENVIRONMENT. , 2020, , .		0