

Andrey A Volkov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6874150/publications.pdf>

Version: 2024-02-01

50
papers

523
citations

1039406

9
h-index

996533

15
g-index

50
all docs

50
docs citations

50
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Usage of Building Information Modelling for Evaluation of Energy Efficiency. Applied Mechanics and Materials, 0, 409-410, 630-633.	0.2	36
2	Components and Guidance for Constructional Rearrangement of Buildings and Structures within Reorganization Cycles. Applied Mechanics and Materials, 0, 580-583, 2281-2284.	0.2	29
3	Complementary Assets in the Methodology of Implementation Unified Information Model of the City Environment Project Life Cycle. Procedia Engineering, 2016, 153, 838-843.	1.2	26
4	Cycle Reorganization as Model of Dynamics Change and Development Norm in Every Living and Artificial Beings. Applied Mechanics and Materials, 0, 584-586, 2685-2688.	0.2	25
5	General Information Models of Intelligent Building Control Systems: Basic Concepts, Determination and the Reasoning. Advanced Materials Research, 0, 838-841, 2973-2976.	0.3	24
6	Modelling the Thermal Comfort of Internal Building Spaces in Social Buildings. Procedia Engineering, 2014, 91, 362-367.	1.2	23
7	Acting Adaptation and Human Parity in the Triad "Man - Knowledge - Methods". Applied Mechanics and Materials, 0, 584-586, 2681-2684.	0.2	23
8	Building Intelligence Quotient: Mathematical Description. Applied Mechanics and Materials, 0, 409-410, 392-395.	0.2	22
9	Dynamic Extension of Building Information Model for "Smart" Buildings. Procedia Engineering, 2015, 111, 849-852.	1.2	22
10	BIM-Technology in Tasks of the Designing Complex Systems of Alternative Energy Supply. Procedia Engineering, 2014, 91, 377-380.	1.2	20
11	Application of Computer Simulation to Ensure Comprehensive Security of Buildings. Applied Mechanics and Materials, 0, 409-410, 1620-1623.	0.2	19
12	Information Management in the Application of BIM in Construction. The Roles and Functions of the Participants of the Construction Process. Procedia Engineering, 2016, 153, 828-832.	1.2	19
13	General Information Models of Intelligent Building Control Systems: Scientific Problem and Hypothesis. Advanced Materials Research, 2013, 838-841, 2969-2972.	0.3	16
14	Programming Applications of Computer Aided Design and Layout of the Complex Solar Panels. Applied Mechanics and Materials, 2013, 411-414, 1840-1843.	0.2	15
15	Qualities of Documentation Management Chain (Part 1). Advanced Materials Research, 0, 1065-1069, 2401-2404.	0.3	14
16	Optimal Design of the Steel Structure by the Sequence of Partial Optimization. Procedia Engineering, 2016, 153, 850-855.	1.2	14
17	Qualities of Documentation Management Chain (Part 2). Advanced Materials Research, 0, 1065-1069, 2405-2408.	0.3	13
18	Using CAD for Selecting Different ACS Engineering Systems of Buildings and Structures in the Presence of Interference and Restrictions. Applied Mechanics and Materials, 0, 580-583, 3231-3233.	0.2	13

#	ARTICLE	IF	CITATIONS
19	Information Management in the Application of BIM in Construction. Stages of Construction. Procedia Engineering, 2016, 153, 833-837.	1.2	13
20	Modeling the Thermal Comfort of Internal Building Spaces in Hospital. Applied Mechanics and Materials, 0, 584-586, 753-756.	0.2	12
21	Modeling the Thermal Comfort of Internal Building Spaces in Kindergarten. Applied Mechanics and Materials, 2014, 584-586, 757-760.	0.2	12
22	Qualities of Documentation Management Chain (Part 3). Advanced Materials Research, 0, 1065-1069, 2409-2412.	0.3	10
23	Principles of Formation of Stability of Construction Projects. Procedia Engineering, 2016, 153, 844-849.	1.2	10
24	Simulation of Building Operations for Calculating Building Intelligence Quotient. Procedia Engineering, 2015, 111, 845-848.	1.2	9
25	Some criteria of critical infrastructures stability. MATEC Web of Conferences, 2016, 86, 05009.	0.1	9
26	BIM cost analysis of transport infrastructure projects. IOP Conference Series: Earth and Environmental Science, 2017, 90, 012203.	0.2	9
27	Devaluation Modelling for Residential Buildings. Advanced Materials Research, 0, 860-863, 2864-2867.	0.3	8
28	Modeling the Thermal Comfort of Internal Building Spaces in School. Applied Mechanics and Materials, 2014, 584-586, 761-764.	0.2	8
29	Life Cycle of a Building. Advanced Materials Research, 0, 1065-1069, 2577-2580.	0.3	8
30	Smart City: Convergent Socio-Cyber-Physical Complex. MATEC Web of Conferences, 2018, 251, 03065.	0.1	6
31	Innovative Norm-Making in High-Rise Construction (Part 1). Applied Mechanics and Materials, 0, 584-586, 2387-2390.	0.2	5
32	Possibility Quantitative Appraise Components and Guidance for Constructional Rearrangement of Buildings Attached to their Confrontation. Advanced Materials Research, 0, 1065-1069, 2585-2588.	0.3	5
33	Intelligent and Complex Monitoring in Intelligent Buildings. Applied Mechanics and Materials, 2014, 580-583, 3204-3207.	0.2	4
34	Innovative Norm-Making in High-Rise Construction (Part 2). Applied Mechanics and Materials, 0, 584-586, 2391-2394.	0.2	4
35	Automated Calculation of Solar Electricity Systems in Russia as an Example of the Moscow Region. Applied Mechanics and Materials, 0, 587-589, 338-341.	0.2	3
36	Functions and Organizational Forms of Graphic-image Modelling of Knowledge. Procedia Engineering, 2014, 91, 368-372.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Innovative Representation of Normative Support in High-rise Construction. Procedia Engineering, 2014, 91, 373-376.	1.2	3
38	Intelligent Building. Advanced Materials Research, 0, 1065-1069, 1606-1609.	0.3	2
39	Features of BIM-modeling of engineering systems of the construction object. E3S Web of Conferences, 2019, 97, 01010.	0.2	2
40	The Development of Moscow Office Real Estate Market and Key Features for System Approach Application. Advanced Materials Research, 0, 1065-1069, 2534-2537.	0.3	1
41	Introduction of Complex Automation of Engineering Infrastructure for the Solution of Operational Problems in Public Sports Pools. Applied Mechanics and Materials, 0, 672-674, 2231-2234.	0.2	1
42	Portfolio Project Management System Architecture for a Large Corporation with Divisional Management Structure. Applied Mechanics and Materials, 0, 584-586, 2313-2316.	0.2	1
43	Digital Models In Construction: Classification Paradigm. MATEC Web of Conferences, 2018, 251, 03066.	0.1	1
44	Monitoring of Intellectual Manufacturing as a Main Factor of the Cyber-Physical Building Systems Development. , 2018, , .		1
45	The Specificity of the City Target Programs on Reorganization of Construction and Demolition Waste. Advanced Materials Research, 0, 1065-1069, 2566-2569.	0.3	0
46	Model of the Information-Energy Process of Activity. Advanced Materials Research, 0, 1065-1069, 2581-2584.	0.3	0
47	Method of automated selection of necessary detailing in energy modeling. IOP Conference Series: Materials Science and Engineering, 2018, 365, 022049.	0.3	0
48	Method of determining relevance of changing processes of condition building parameters. , 2016, , .		0
49	Informational Modeling the Intelligence of Buildings. , 2016, , .		0
50	BIM-technologies for Buildings Operation. Experiment in MGSU. , 2016, , .		0