

Dmitrii Legatiuk

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

81
citations

1684188
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8
g-index

21
all docs

21
docs citations

21
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperholomorphic functions and a Kolosov–Muskhelishvili formula. <i>Mathematical Methods in the Applied Sciences</i> , 2015, 38, 5114-5123.	2.3	17
2	Categorical approach to modelling and to coupling of models. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 523-534.	2.3	11
3	A categorical perspective towards aerodynamic models for aeroelastic analyses of bridge decks. <i>Royal Society Open Science</i> , 2019, 6, 181848.	2.4	10
4	Mathematical Modelling by Help of Category Theory: Models and Relations between Them. <i>Mathematics</i> , 2021, 9, 1946.	2.2	7
5	Modeling and evaluation of cyber–physical systems in civil engineering. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2017, 17, 807-808.	0.2	5
6	Conceptual modelling: Towards detecting modelling errors in engineering applications. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 1243-1252.	2.3	5
7	Boundary Values of Discrete Monogenic Functions over Bounded Domains in \mathbb{R}^3 . <i>Operator Theory: Advances and Applications</i> , 2019, , 149-165.	0.2	4
8	Metaization concepts for monitoring-related information. <i>Advanced Engineering Informatics</i> , 2020, 46, 101158.	8.0	4
9	Three-dimensional interpolation with monogenic polynomials. <i>Complex Variables and Elliptic Equations</i> , 2017, 62, 1364-1373.	0.8	3
10	Error Estimates for the Coupling of Analytical and Numerical Solutions. <i>Complex Analysis and Operator Theory</i> , 2017, 11, 1221-1240.	0.6	3
11	Improved Convergence Results for the Finite Element Method with Holomorphic Functions. <i>Advances in Applied Clifford Algebras</i> , 2014, 24, 1077-1092.	1.0	2
12	Uncertainty-based evaluation and coupling of mathematical and physical models. <i>Probabilistic Engineering Mechanics</i> , 2016, 45, 52-60.	2.7	2
13	Discrete Hardy Spaces for Bounded Domains in \mathbb{R}^n . <i>Complex Analysis and Operator Theory</i> , 2021, 15, 1.	0.6	2
14	Interpolation problem for the solutions of linear elasticity equations based on monogenic functions. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
15	An Additive Decomposition of Harmonic Functions in \mathbb{R}^3 . <i>Lecture Notes in Computer Science</i> , 2014, , 189-203.	1.3	1
16	Interpolation of monogenic functions by using reproducing kernel Hilbert spaces. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 8100-8114.	2.3	0
17	Finite element exterior calculus with script geometry. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
18	Coupling of Complex Function Theory and Finite Element Method for Crack Propagation Through Energetic Formulation: Conformal Mapping Approach and Reduction to a Riemann–Hilbert Problem. <i>Computational Methods and Function Theory</i> , 0, , 1.	1.5	0

#	ARTICLE	IF	CITATIONS
19	Operator Calculus Approach to Comparison of Elasticity Models for Modelling of Masonry Structures. Mathematics, 2022, 10, 1670.	2.2	0