

Lucian Coroianu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8469090/publications.pdf>

Version: 2024-02-01

58
papers

927
citations

430442

18
h-index

525886

27
g-index

59
all docs

59
docs citations

59
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Approximations of fuzzy numbers by trapezoidal fuzzy numbers preserving the ambiguity and value. Computers and Mathematics With Applications, 2011, 61, 1379-1401.	1.4	67
2	Nearest interval, triangular and trapezoidal approximation of a fuzzy number preserving ambiguity. International Journal of Approximate Reasoning, 2012, 53, 805-836.	1.9	58
3	Nearest piecewise linear approximation of fuzzy numbers. Fuzzy Sets and Systems, 2013, 233, 26-51.	1.6	51
4	Approximation by Max-Product Type Operators. , 2016, , .		50
5	Trapezoidal approximation and aggregation. Fuzzy Sets and Systems, 2011, 177, 45-59.	1.6	38
6	Simplifying the Search for Effective Ranking of Fuzzy Numbers. IEEE Transactions on Fuzzy Systems, 2015, 23, 327-339.	6.5	38
7	Approximation and Shape Preserving Properties of the Bernstein Operator of Max-Product Kind. International Journal of Mathematics and Mathematical Sciences, 2009, 2009, 1-26.	0.3	34
8	Lipschitz functions and fuzzy number approximations. Fuzzy Sets and Systems, 2012, 200, 116-135.	1.6	29
9	L^p -approximation by truncated max-product sampling operators of Kantorovich-type based on Fejér kernel. Journal of Integral Equations and Applications, 2017, 29, .	0.2	29
10	Approximation of fuzzy numbers by max-product Bernstein operators. Fuzzy Sets and Systems, 2014, 257, 41-66.	1.6	28
11	General approximation of fuzzy numbers by F-transform. Fuzzy Sets and Systems, 2016, 288, 46-74.	1.6	27
12	Best Lipschitz constant of the trapezoidal approximation operator preserving the expected interval. Fuzzy Sets and Systems, 2011, 165, 81-97.	1.6	26
13	Existence, uniqueness and continuity of trapezoidal approximations of fuzzy numbers under a general condition. Fuzzy Sets and Systems, 2014, 257, 3-22.	1.6	26
14	Approximation by Max-Product Sampling Operators Based on Sinc-Type Kernels. Sampling Theory in Signal and Information Processing, 2011, 10, 211-230.	0.2	26
15	Approximation by Nonlinear Generalized Sampling Operators of Max-Product Kind. Sampling Theory in Signal and Information Processing, 2010, 9, 59-75.	0.2	25
16	Approximation by truncated max-product operators of Kantorovich-type based on generalized $(\langle i \rangle, \langle i \rangle)$ -kernels. Mathematical Methods in the Applied Sciences, 2018, 41, 7971-7984.	1.2	23
17	Approximation and Shape Preserving Properties of the Nonlinear Meyer-König and Zeller Operator of Max-Product Kind. Numerical Functional Analysis and Optimization, 2010, 31, 232-253.	0.6	22
18	Day-ahead electricity consumption optimization algorithms for smart homes. Computers and Industrial Engineering, 2019, 135, 382-401.	3.4	21

#	ARTICLE	IF	CITATIONS
19	The max-product generalized sampling operators: convergence and quantitative estimates. Applied Mathematics and Computation, 2019, 355, 173-183.	1.4	21
20	CLASSES OF FUNCTIONS WITH IMPROVED ESTIMATES IN APPROXIMATION BY THE MAX-PRODUCT BERNSTEIN OPERATOR. Analysis and Applications, 2011, 09, 249-274.	1.2	19
21	Approximation by max-product sampling Kantorovich operators with generalized kernels. Analysis and Applications, 2021, 19, 219-244.	1.2	19
22	Approximation and shape preserving properties of the nonlinear Favard-Szász-Mirakjan operator of max-product kind. Filomat, 2010, 24, 55-72.	0.2	19
23	Piecewise linear approximation of fuzzy numbers: algorithms, arithmetic operations and stability of characteristics. Soft Computing, 2019, 23, 9491-9505.	2.1	18
24	Saturation Results for the Truncated Max-Product Sampling Operators Based on Sinc and Fejér-Type Kernels. Sampling Theory in Signal and Information Processing, 2012, 11, 113-132.	0.2	18
25	Saturation and inverse results for the Bernstein max-product operator. Periodica Mathematica Hungarica, 2014, 69, 126-133.	0.5	17
26	Conditioned weighted L^{∞} approximations of fuzzy numbers. Fuzzy Sets and Systems, 2016, 283, 56-82.	1.6	17
27	Existence, uniqueness, calculus and properties of triangular approximations of fuzzy numbers under a general condition. International Journal of Approximate Reasoning, 2015, 62, 1-26.	1.9	15
28	Symmetric triangular approximations of fuzzy numbers under a general condition and properties. Soft Computing, 2016, 20, 1249-1261.	2.1	14
29	Necessary and sufficient conditions for the equality of the interactive and non-interactive sums of two fuzzy numbers. Fuzzy Sets and Systems, 2016, 283, 40-55.	1.6	12
30	On the constrained OWA aggregation problem with single constraint. Fuzzy Sets and Systems, 2018, 332, 37-43.	1.6	11
31	Trapezoidal approximations of fuzzy numbers using quadratic programs. Fuzzy Sets and Systems, 2021, 417, 71-92.	1.6	10
32	Approximation by truncated Favard-Szász-Mirakjan operator of max-product kind. Demonstratio Mathematica, 2011, 44, .	0.6	9
33	Nguyen type theorem for extension principle based on a joint possibility distribution. International Journal of Approximate Reasoning, 2018, 95, 22-35.	1.9	9
34	On multiplication of interactive fuzzy numbers. , 2013, , .		8
35	Localization results for the Bernstein max-product operator. Applied Mathematics and Computation, 2014, 231, 73-78.	1.4	8
36	Localization Results for the Meyer-König and Zeller Max-Product Operator. Numerical Functional Analysis and Optimization, 2013, 34, 713-727.	0.6	7

#	ARTICLE	IF	CITATIONS
37	Properties of fuzzy transform obtained from L minimization and a connection with Zadeh's extension principle. Information Sciences, 2019, 478, 331-354.	4.0	7
38	Constrained ordered weighted averaging aggregation with multiple comonotone constraints. Fuzzy Sets and Systems, 2020, 395, 21-39.	1.6	7
39	Feller's Scheme in Approximation by Nonlinear Possibilistic Integral Operators. Numerical Functional Analysis and Optimization, 2017, 38, 327-343.	0.6	6
40	Best Lipschitz Constants of Solutions of Quadratic Programs. Journal of Optimization Theory and Applications, 2016, 170, 853-875.	0.8	5
41	Inverse Result of Approximation for the Max-Product Neural Network Operators of the Kantorovich Type and Their Saturation Order. Mathematics, 2022, 10, 63.	1.1	5
42	On additivity of the weighted possibilistic mean operator. , 2013, , .		4
43	Necessary and sufficient conditions for the equality of interactive and non-interactive extensions of continuous functions. Fuzzy Sets and Systems, 2018, 331, 116-130.	1.6	4
44	A note on fuzzy-transform approximation of fuzzy numbers. , 2015, , .		3
45	On the inequalities of Turán, Bernstein and Erdős's in quaternionic setting. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	0.6	3
46	Ranking of L-R fuzzy numbers. , 2015, , .		2
47	Localization results for the non-truncated max-product sampling operators based on Fejér and sinc-type kernels. Demonstratio Mathematica, 2016, 49, .	0.6	2
48	Connections between the Approximation Orders of Positive Linear Operators and Their Max-Product Counterparts. Numerical Functional Analysis and Optimization, 0, , 1-24.	0.6	2
49	Minimum of Constrained OWA Aggregation Problem with a Single Constraint. Lecture Notes in Computer Science, 2019, , 183-192.	1.0	2
50	Piecewise Linear Approximation of Fuzzy Numbers Preserving the Support and Core. Communications in Computer and Information Science, 2014, , 244-253.	0.4	2
51	Characterization of the Ranking Indices of Triangular Fuzzy Numbers. Communications in Computer and Information Science, 2014, , 254-263.	0.4	2
52	Characterization of the level sets for interactive additions. , 2016, , .		1
53	Penalty-Based Data Aggregation in Real Normed Vector Spaces. Advances in Intelligent Systems and Computing, 2019, , 160-171.	0.5	1
54	On the convergence of max-product type operators. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Approximation by Max-Product Bernstein Operators. , 2016, , 25-158.		0
56	Explicit analytical formulae of ranking indices without the requirement of multiplicative compatibility. International Journal of Approximate Reasoning, 2018, 97, 17-37.	1.9	0
57	Metric Properties of the Extended Weighted Semi-trapezoidal Approximations of Fuzzy Numbers and Their Applications. Communications in Computer and Information Science, 2012, , 29-38.	0.4	0
58	New approximation properties of the Bernstein max-min operators and Bernstein max-product operators. Mathematical Foundations of Computing, 2021, .	0.7	0