

Oscar Valero

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

760
citations

687363

13
h-index

610901

24
g-index

80
all docs

80
docs citations

80
times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	On Banach fixed point theorems for partial metric spaces. <i>Applied General Topology</i> , 2005, 6, 229.	0.5	137
2	A quantitative computational model for complete partial metric spaces via formal balls. <i>Mathematical Structures in Computer Science</i> , 2009, 19, 541-563.	0.6	77
3	Aggregation of asymmetric distances in Computer Science. <i>Information Sciences</i> , 2010, 180, 803-812.	6.9	32
4	Domain theoretic characterisations of quasi-metric completeness in terms of formal balls. <i>Mathematical Structures in Computer Science</i> , 2010, 20, 453-472.	0.6	32
5	Denotational semantics for programming languages, balanced quasi-metrics and fixed points. <i>International Journal of Computer Mathematics</i> , 2008, 85, 623-630.	1.8	31
6	Fixed point theorems in generalized metric spaces with applications to computer science. <i>Fixed Point Theory and Applications</i> , 2013, 2013, .	1.1	24
7	Multi-Robot Coalitions Formation with Deadlines: Complexity Analysis and Solutions. <i>PLoS ONE</i> , 2017, 12, e0170659.	2.5	21
8	New results on the mathematical foundations of asymptotic complexity analysis of algorithms via complexity spaces. <i>International Journal of Computer Mathematics</i> , 2012, 89, 1728-1741.	1.8	20
9	On 0-Complete Partial Metric Spaces and Quantitative Fixed Point Techniques in Denotational Semantics. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-11.	0.7	20
10	Aggregation of fuzzy quasi-metrics. <i>Information Sciences</i> , 2021, 581, 362-389.	6.9	19
11	The complexity space of partial functions: a connection between complexity analysis and denotational semantics. <i>International Journal of Computer Mathematics</i> , 2011, 88, 1819-1829.	1.8	16
12	On fixed point theory in partial metric spaces. <i>Fixed Point Theory and Applications</i> , 2012, 2012, .	1.1	15
13	The Baire Partial Quasi-Metric Space: A Mathematical Tool for Asymptotic Complexity Analysis in Computer Science. <i>Theory of Computing Systems</i> , 2012, 50, 387-399.	1.1	14
14	A fixed point theorem in partial quasi-metric spaces and an application to Software Engineering. <i>Applied Mathematics and Computation</i> , 2015, 268, 1292-1301.	2.2	14
15	On the structure of the space of complexity partial functions. <i>International Journal of Computer Mathematics</i> , 2008, 85, 631-640.	1.8	13
16	The average running time of an algorithm as a midpoint between fuzzy sets. <i>Mathematical and Computer Modelling</i> , 2009, 49, 1852-1868.	2.0	12
17	Quasi-uniform isomorphisms in fuzzy quasi-metric spaces, bicompletion and D-completion. <i>Acta Mathematica Hungarica</i> , 2007, 114, 49-60.	0.5	11
18	Complexity spaces as quantitative domains of computation. <i>Topology and Its Applications</i> , 2011, 158, 853-860.	0.4	11

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19	Complete partial metric spaces have partially metrizable computational models. International Journal of Computer Mathematics, 2012, 89, 284-290.	1.8	11
20	On Indistinguishability Operators, Fuzzy Metrics and Modular Metrics. Axioms, 2017, 6, 34.	1.9	11
21	An extension of the dual complexity space and an application to Computer Science. Topology and Its Applications, 2009, 156, 3052-3061.	0.4	10
22	A new contribution to the fixed point theory in partial quasi-metric spaces and its applications to asymptotic complexity analysis of algorithms. Topology and Its Applications, 2016, 203, 42-56.	0.4	10
23	Toward a Possibilistic Swarm Multi-robot Task Allocation: Theoretical and Experimental Results. Neural Processing Letters, 2017, 46, 881-897.	3.2	10
24	Metric aggregation functions revisited. European Journal of Combinatorics, 2019, 80, 390-400.	0.8	10
25	New results on the Baire partial quasi-metric space, fixed point theory and asymptotic complexity analysis for recursive programs. Fixed Point Theory and Applications, 2014, 2014, 14.	1.1	9
26	A Characterization of Generalized Monotone Normed Cones. Acta Mathematica Sinica, English Series, 2007, 23, 1067-1074.	0.6	8
27	On aggregation of normed structures. Mathematical and Computer Modelling, 2011, 54, 815-827.	2.0	8
28	A duality relationship between fuzzy metrics and metrics. International Journal of General Systems, 2018, 47, 593-612.	2.5	8
29	Functionally Expressible Multidistances. , 2011, , .		8
30	The Dual Complexity Space as the Dual of a Normed Cone. Electronic Notes in Theoretical Computer Science, 2006, 161, 165-174.	0.9	7
31	A Common Mathematical Framework for Asymptotic Complexity Analysis and Denotational Semantics for Recursive Programs Based on Complexity Spaces. , 2012, , .		7
32	On quasi-metric aggregation functions and fixed point theorems. Fuzzy Sets and Systems, 2013, 228, 88-104.	2.7	7
33	Indistinguishability Operators Applied to Task Allocation Problems in Multi-Agent Systems. Applied Sciences (Switzerland), 2017, 7, 963.	2.5	7
34	Quotient normed cones. Proceedings of the Indian Academy of Sciences - Section A, 2006, 116, 175-191.	0.2	6
35	On aggregation of metric structures: the extended quasi-metric case. International Journal of Computational Intelligence Systems, 2013, 6, 115.	2.7	6
36	A study on the relationship between relaxed metrics and indistinguishability operators. Soft Computing, 2019, 23, 6785-6795.	3.6	6

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37	On t-Conorm Based Fuzzy (Pseudo)metrics. <i>Axioms</i> , 2020, 9, 78.	1.9	6
38	An Application of Generalized Complexity Spaces to Denotational Semantics via the Domain of Words. <i>Lecture Notes in Computer Science</i> , 2009, , 530-541.	1.3	6
39	Characterizing quasi-metric aggregation functions. <i>International Journal of General Systems</i> , 2019, 48, 890-909.	2.5	5
40	Indistinguishability Operators via Yager t-norms and Their Applications to Swarm Multi-Agent Task Allocation. <i>Mathematics</i> , 2021, 9, 190.	2.2	5
41	Asymptotic Complexity of Algorithms via the Nonsymmetric Hausdorff Distance. <i>Computing Letters</i> , 2004, 2, 155-161.	0.5	4
42	A Nemytskii-Edelstein type fixed point theorem for partial metric spaces. <i>Fixed Point Theory and Applications</i> , 2015, 2015, .	1.1	4
43	Approximating SP-orders through total preorders: incomparability and transitivity through permutations. <i>Quaestiones Mathematicae</i> , 2017, 40, 413-433.	0.6	4
44	Geometrical aggregation of finite fuzzy sets. <i>International Journal of Approximate Reasoning</i> , 2018, 103, 248-266.	3.3	4
45	T-Equivalences: The Metric Behavior Revisited. <i>Mathematics</i> , 2020, 8, 495.	2.2	4
46	Aggregation of Indistinguishability Fuzzy Relations Revisited. <i>Mathematics</i> , 2021, 9, 1441.	2.2	4
47	Aggregating asymmetric distances in Computer Science. , 2008, , .		4
48	An Application of Ordered Weighted Averaging Operators to Customer Classification in Hotels. <i>Mathematics</i> , 2022, 10, 1987.	2.2	4
49	Qualitative versus quantitative fixed point techniques in computer science. <i>Quaestiones Mathematicae</i> , 2018, 41, 115-127.	0.6	3
50	Fixed point theorems in quasi-metric spaces and the specialization partial order. <i>Fixed Point Theory</i> , 2018, 19, 733-750.	0.7	3
51	A quasi-metric computational model from modular functions on monoids. <i>International Journal of Computer Mathematics</i> , 2009, 86, 1668-1677.	1.8	2
52	On the domain of formal balls of the Sorgenfrey quasi-metric space. <i>Topology and Its Applications</i> , 2016, 203, 177-187.	0.4	2
53	A technique for fuzzifying metric spaces via metric preserving mappings. <i>Fuzzy Sets and Systems</i> , 2018, 330, 1-15.	2.7	2
54	Hypothesis Scoring and Model Refinement Strategies for FM-Based RANSAC. <i>Lecture Notes in Computer Science</i> , 2021, , 96-105.	1.3	2

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55	A Comparative Analysis of Indistinguishability Operators Applied to Swarm Multi-Robot Task Allocation Problem. Lecture Notes in Computer Science, 2017, , 21-28.	1.3	2
56	On the Symmetrization of Quasi-metrics: An Aggregation Perspective. Advances in Intelligent Systems and Computing, 2013, , 319-331.	0.6	2
57	A First Step Toward a Possibilistic Swarm Multi-robot Task Allocation. Lecture Notes in Computer Science, 2015, , 147-158.	1.3	2
58	Functional equations related to weightable quasi-metrics. Hacettepe Journal of Mathematics and Statistics, 2015, 4, .	0.3	2
59	On the Use of Fuzzy Preorders in Multi-robot Task Allocation Problem. Communications in Computer and Information Science, 2018, , 195-206.	0.5	2
60	On the Problem of Aggregation of Partial T-Indistinguishability Operators. Communications in Computer and Information Science, 2018, , 207-218.	0.5	2
61	Spaces $L_2(\lambda)$ of a Positive Vector Measure λ and Generalized Fourier Coefficients. Rocky Mountain Journal of Mathematics, 2005, 35, 211.	0.4	1
62	Contraction Maps on Complexity Spaces and itExpoDC Algorithms. AIP Conference Proceedings, 2007, , .	0.4	1
63	Closed graph and open mapping theorems for normed cones. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2008, 118, 245-254.	0.1	1
64	On fixed point theory in topological posets, extended quasi-metric spaces and an application to asymptotic complexity of algorithms. Fixed Point Theory and Applications, 2015, 2015, .	1.1	1
65	Projective contractions, generalized metrics, and fixed points. Fixed Point Theory and Applications, 2015, 2015, .	1.1	1
66	On fixed point theory in partially ordered sets and an application to asymptotic complexity of algorithms. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 3233-3252.	1.2	1
67	On Matthews's Relationship Between Quasi-Metrics and Partial Metrics: An Aggregation Perspective. Results in Mathematics, 2020, 75, 1.	0.8	1
68	On the Use of Fuzzy Metrics for Robust Model Estimation: A RANSAC-Based Approach. Lecture Notes in Computer Science, 2021, , 165-177.	1.3	1
69	New Results on Possibilistic Cooperative Multi-robot Systems. Lecture Notes in Computer Science, 2017, , 1-9.	1.3	1
70	What Is the Aggregation of a Partial Metric and a Quasi-metric?. Communications in Computer and Information Science, 2018, , 231-243.	0.5	1
71	On partial metric preserving functions and their characterization. Filomat, 2020, 34, 2315-2327.	0.5	1
72	New fixed point results in partial quasi-metric spaces. Applied Mathematics and Nonlinear Sciences, 2017, 2, 415-428.	1.6	1

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73	A Characterization of Completeness via Absolutely Convergent Series and the Weierstrass Test in Asymmetric Normed Semilinear Spaces. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-8.	0.7	0
74	A General Approach to Midpoint Theory and Aggregation of Quasimetrics. <i>International Journal of Intelligent Systems</i> , 2014, 29, 279-306.	5.7	0
75	Are fixed point theorems in G-metric spaces an authentic generalization of their classical counterparts?. <i>Journal of Fixed Point Theory and Applications</i> , 2019, 21, 1.	1.1	0
76	Partial quasi-metrics and fixed point theory: an aggregation viewpoint. <i>International Journal of General Systems</i> , 2021, 50, 300-318.	2.5	0
77	A characterisation of weightable quasi-metric generating functions. <i>Quaestiones Mathematicae</i> , 2022, 45, 1683-1698.	0.6	0
78	New Advances in the Aggregation of Asymmetric Distances. The Bounded Case. <i>Studies in Fuzziness and Soft Computing</i> , 2016,, 101-121.	0.8	0
79	Weightable quasi-metrics related to fuzzy sets. <i>Hacettepe Journal of Mathematics and Statistics</i> , 2017, 47, .	0.3	0
80	On Information Orders on Metric Spaces. <i>Information (Switzerland)</i> , 2021, 12, 427.	2.9	0