Oscar Valero

List of Publications by Year
in descending order

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	A characterisation of weightable quasi-metric generating functions. Quaestiones Mathematicae, 2022, 45, 1683-1698.	0.6	0
2	An Application of Ordered Weighted Averaging Operators to Customer Classification in Hotels. Mathematics, 2022, 10, 1987.	2.2	4
3	Aggregation of fuzzy quasi-metrics. Information Sciences, 2021, 581, 362-389.	6.9	19
4	Partial quasi-metrics and fixed point theory: an aggregation viewpoint. International Journal of General Systems, 2021, 50, 300-318.	2.5	0
5	Aggregation of Indistinguishability Fuzzy Relations Revisited. Mathematics, 2021, 9, 1441.	2.2	4
6	Hypothesis Scoring and Model Refinement Strategies for FM-Based RANSAC. Lecture Notes in Computer Science, 2021, , 96-105.	1.3	2
7	Indistinguishability Operators via Yager t-norms and Their Applications to Swarm Multi-Agent Task Allocation. Mathematics, 2021, 9, 190.	2.2	5
8	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
9	On Information Orders on Metric Spaces. Information (Switzerland), 2021, 12, 427.	2.9	0
10	On t-Conorm Based Fuzzy (Pseudo)metrics. Axioms, 2020, 9, 78.	1.9	6
11	On Matthews' Relationship Between Quasi-Metrics and Partial Metrics: An Aggregation Perspective. Results in Mathematics, 2020, 75, 1.	0.8	1
12	T-Equivalences: The Metric Behavior Revisited. Mathematics, 2020, 8, 495.	2.2	4
13	On partial metric preserving functions and their characterization. Filomat, 2020, 34, 2315-2327.	0.5	1
14	Metric aggregation functions revisited. European Journal of Combinatorics, 2019, 80, 390-400.	0.8	10
15	Characterizing quasi-metric aggregation functions. International Journal of General Systems, 2019, 48, 890-909.	2.5	5
16	Are fixed point theorems in G-metric spaces an authentic generalization of their classical counterparts?. Journal of Fixed Point Theory and Applications, 2019, 21, 1.	1.1	0
17	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
18	A study on the relationship between relaxed metrics and indistinguishability operators. Soft Computing, 2019, 23, 6785-6795.	3.6	6

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19	Qualitative versus quantitative fixed point techniques in computer science. Quaestiones Mathematicae, 2018, 41, 115-127.	0.6	3
20	A technique for fuzzifying metric spaces via metric preserving mappings. Fuzzy Sets and Systems, 2018, 330, 1-15.	2.7	2
21	Geometrical aggregation of finite fuzzy sets. International Journal of Approximate Reasoning, 2018, 103, 248-266.	3.3	4
22	A duality relationship between fuzzy metrics and metrics. International Journal of General Systems, 2018, 47, 593-612.	2.5	8
23	What Is the Aggregation of a Partial Metric and a Quasi-metric?. Communications in Computer and Information Science, 2018, , 231-243.	0.5	1
24	Fixed point theorems in quasi-metric spaces and the specialization partial order. Fixed Point Theory, 2018, 19, 733-750.	0.7	3
25	On the Use of Fuzzy Preorders in Multi-robot Task Allocation Problem. Communications in Computer and Information Science, 2018, , 195-206.	0.5	2
26	On the Problem of Aggregation of Partial T-Indistinguishability Operators. Communications in Computer and Information Science, 2018, , 207-218.	0.5	2
27	Toward a Possibilistic Swarm Multi-robot Task Allocation: Theoretical and Experimental Results. Neural Processing Letters, 2017, 46, 881-897.	3.2	10
28	Approximating SP-orders through total preorders: incomparability and transitivity through permutations. Quaestiones Mathematicae, 2017, 40, 413-433.	0.6	4
29	Indistinguishability Operators Applied to Task Allocation Problems in Multi-Agent Systems. Applied Sciences (Switzerland), 2017, 7, 963.	2.5	7
30	On Indistinguishability Operators, Fuzzy Metrics and Modular Metrics. Axioms, 2017, 6, 34.	1.9	11
31	New Results on Possibilistic Cooperative Multi-robot Systems. Lecture Notes in Computer Science, 2017, , 1-9.	1.3	1
32	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
33	Multi-Robot Coalitions Formation with Deadlines: Complexity Analysis and Solutions. PLoS ONE, 2017, 12, e0170659.	2.5	21
34	New fixed point results in partial quasi-metric spaces. Applied Mathematics and Nonlinear Sciences, 2017, 2, 415-428.	1.6	1
35	Weightable quasi-metrics related to fuzzy sets. Hacettepe Journal of Mathematics and Statistics, 2017, 47, .	0.3	0
36	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

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37	On the domain of formal balls of the Sorgenfrey quasi-metric space. Topology and Its Applications, 2016, 203, 177-187.	0.4	2
38	New Advances in the Aggregation of Asymmetric Distances. The Bounded Case. Studies in Fuzziness and Soft Computing, 2016, , 101-121.	0.8	0
39	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
40	A Nemytskii-Edelstein type fixed point theorem for partial metric spaces. Fixed Point Theory and Applications, 2015, 2015, .	1.1	4
41	Projective contractions, generalized metrics, and fixed points. Fixed Point Theory and Applications, 2015, 2015, .	1.1	1
42	A fixed point theorem in partial quasi-metric spaces and an application to Software Engineering. Applied Mathematics and Computation, 2015, 268, 1292-1301.	2.2	14
43	A First Step Toward a Possibilistic Swarm Multi-robot Task Allocation. Lecture Notes in Computer Science, 2015, , 147-158.	1.3	2
44	Functional equations related to weightable quasi-metrics. Hacettepe Journal of Mathematics and Statistics, 2015, 4, .	0.3	2
45	A Characterization of Completeness via Absolutely Convergent Series and the Weierstrass Test in Asymmetric Normed Semilinear Spaces. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.7	0
46	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
47	A General Approach to Midpoint Theory and Aggregation of Quasimetrics. International Journal of Intelligent Systems, 2014, 29, 279-306.	5.7	0
48	On aggregation of metric structures: the extended quasi-metric case. International Journal of Computational Intelligence Systems, 2013, 6, 115.	2.7	6
49	Fixed point theorems in generalized metric spaces with applications to computer science. Fixed Point Theory and Applications, 2013, 2013, .	1.1	24
50	On quasi-metric aggregation functions and fixed point theorems. Fuzzy Sets and Systems, 2013, 228, 88-104.	2.7	7
51	On 0-Complete Partial Metric Spaces and Quantitative Fixed Point Techniques in Denotational Semantics. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.7	20
52	On the Symmetrization of Quasi-metrics: An Aggregation Perspective. Advances in Intelligent Systems and Computing, 2013, , 319-331.	0.6	2
53	Complete partial metric spaces have partially metrizable computational models. International Journal of Computer Mathematics, 2012, 89, 284-290.	1.8	11
54	New results on the mathematical foundations of asymptotic complexity analysis of algorithms via complexity spaces. International Journal of Computer Mathematics, 2012, 89, 1728-1741.	1.8	20

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55	On fixed point theory in partial metric spaces. Fixed Point Theory and Applications, 2012, 2012, .	1.1	15
56	A Common Mathematical Framework for Asymptotic Complexity Analysis and Denotational Semantics for Recursive Programs Based on Complexity Spaces. , 2012, , .		7
57	The Baire Partial Quasi-Metric Space: A Mathematical Tool for Asymptotic Complexity Analysis in Computer Science. Theory of Computing Systems, 2012, 50, 387-399.	1.1	14
58	The complexity space of partial functions: a connection between complexity analysis and denotational semantics. International Journal of Computer Mathematics, 2011, 88, 1819-1829.	1.8	16
59	On aggregation of normed structures. Mathematical and Computer Modelling, 2011, 54, 815-827.	2.0	8
60	Complexity spaces as quantitative domains of computation. Topology and Its Applications, 2011, 158, 853-860.	0.4	11
61	Functionally Expressible Multidistances. , 2011, , .		8
62	Aggregation of asymmetric distances in Computer Science. Information Sciences, 2010, 180, 803-812.	6.9	32
63	Domain theoretic characterisations of quasi-metric completeness in terms of formal balls. Mathematical Structures in Computer Science, 2010, 20, 453-472.	0.6	32
64	A quantitative computational model for complete partial metric spaces via formal balls. Mathematical Structures in Computer Science, 2009, 19, 541-563.	0.6	77
65	An extension of the dual complexity space and an application to Computer Science. Topology and Its Applications, 2009, 156, 3052-3061.	0.4	10
66	The average running time of an algorithm as a midpoint between fuzzy sets. Mathematical and Computer Modelling, 2009, 49, 1852-1868.	2.0	12
67	A quasi-metric computational model from modular functions on monoids. International Journal of Computer Mathematics, 2009, 86, 1668-1677.	1.8	2
68	An Application of Generalized Complexity Spaces to Denotational Semantics via the Domain of Words. Lecture Notes in Computer Science, 2009, , 530-541.	1.3	6
69	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
70	On the structure of the space of complexity partial functions. International Journal of Computer Mathematics, 2008, 85, 631-640.	1.8	13
71	Denotational semantics for programming languages, balanced quasi-metrics and fixed points. International Journal of Computer Mathematics, 2008, 85, 623-630.	1.8	31
72	Aggregating asymmetric distances in Computer Science. , 2008, , .		4

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73	Contraction Maps on Complexity Spaces and itExpoDC Algorithms. AIP Conference Proceedings, 2007, , .	0.4	1
74	A Characterization of Generalized Monotone Normed Cones. Acta Mathematica Sinica, English Series, 2007, 23, 1067-1074.	0.6	8
75	Quasi-uniform isomorphisms in fuzzy quasi-metric spaces, bicompletion and D-completion. Acta Mathematica Hungarica, 2007, 114, 49-60.	0.5	11
76	The Dual Complexity Space as the Dual of a Normed Cone. Electronic Notes in Theoretical Computer Science, 2006, 161, 165-174.	0.9	7
77	Quotient normed cones. Proceedings of the Indian Academy of Sciences - Section A, 2006, 116, 175-191.	0.2	6
78	Spaces $L_2(lambda)$ of a Positive Vector Measure $lambda$ and Generalized Fourier Coefficients. Rocky Mountain Journal of Mathematics, 2005, 35, 211.	0.4	1
79	On Banach fixed point theorems for partial metric spaces. Applied General Topology, 2005, 6, 229.	0.5	137
80	Asymptotic Complexity of Algorithms via the Nonsymmetric Hausdorff Distance. Computing Letters, 2004, 2, 155-161.	0.5	4