

Tomas Veloz

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

491
citations

623734

14
h-index

752698

20
g-index

48
all docs

48
docs citations

48
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Cycles and the Qualitative Evolution of Chemical Systems. PLoS ONE, 2012, 7, e45772.	2.5	36
2	New fundamental evidence of non-classical structure in the combination of natural concepts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150095.	3.4	35
3	Effects of small particle numbers on long-term behaviour in discrete biochemical systems. Bioinformatics, 2014, 30, i475-i481.	4.1	28
4	Quantum entanglement in physical and cognitive systems: A conceptual analysis and a general representation. European Physical Journal Plus, 2019, 134, 1.	2.6	28
5	Quantum structure of negation and conjunction in human thought. Frontiers in Psychology, 2015, 6, 1447.	2.1	26
6	Reaction networks and evolutionary game theory. Journal of Mathematical Biology, 2014, 68, 181-206.	1.9	24
7	The Quantum Nature of Identity in Human Thought: Bose-Einstein Statistics for Conceptual Indistinguishability. International Journal of Theoretical Physics, 2015, 54, 4430-4443.	1.2	19
8	The Guppy Effect as Interference. Lecture Notes in Computer Science, 2012, , 36-47.	1.3	19
9	Quantum Structure in Cognition and the Foundations of Human Reasoning. International Journal of Theoretical Physics, 2015, 54, 4557-4569.	1.2	18
10	Existence, computability and stability for solutions of the diffusion equation with general piecewise constant argument. Journal of Mathematical Analysis and Applications, 2015, 426, 330-339.	1.0	18
11	Spin and Wind Directions I: Identifying Entanglement in Nature and Cognition. Foundations of Science, 2018, 23, 323-335.	0.7	18
12	Towards a quantum World Wide Web. Theoretical Computer Science, 2018, 752, 116-131.	0.9	18
13	Spin and Wind Directions II: A Bell State Quantum Model. Foundations of Science, 2018, 23, 337-365.	0.7	17
14	On the Conceptuality Interpretation of Quantum and Relativity Theories. Foundations of Science, 2020, 25, 5-54.	0.7	16
15	Reaction Networks as a Language for Systemic Modeling: Fundamentals and Examples. Systems, 2017, 5, 11.	2.3	15
16	Beyond planetary-scale feedback self-regulation: Gaia as an autopoietic system. BioSystems, 2021, 199, 104314.	2.0	14
17	From STEM to STEAM: An Enactive and Ecological Continuum. Frontiers in Education, 2021, 6, .	2.1	14
18	Modeling Human Decision-Making: An Overview of the Brussels Quantum Approach. Foundations of Science, 2021, 26, 27-54.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Testing Quantum Models of Conjunction Fallacy on the World Wide Web. International Journal of Theoretical Physics, 2017, 56, 3744-3756.	1.2	12
20	Goal Directedness, Chemical Organizations, and Cybernetic Mechanisms. Entropy, 2021, 23, 1039.	2.2	10
21	Toward a Formal Model of the Shifting Relationship between Concepts and Contexts during Associative Thought. Lecture Notes in Computer Science, 2011, , 25-34.	1.3	10
22	The Complexity-Stability Debate, Chemical Organization Theory, and the Identification of Non-classical Structures in Ecology. Foundations of Science, 2020, 25, 259-273.	0.7	9
23	Reaction Networks as a Language for Systemic Modeling: On the Study of Structural Changes. Systems, 2017, 5, 30.	2.3	7
24	Meaning-Focused and Quantum-Inspired Information Retrieval. Lecture Notes in Computer Science, 2014, , 71-83.	1.3	6
25	The state context property formalism: from concept theory to the semantics of music. Soft Computing, 2017, 21, 1505-1513.	3.6	6
26	Feasibility of Organizations - A Refinement of Chemical Organization Theory with Application to P Systems. Lecture Notes in Computer Science, 2010, , 325-337.	1.3	5
27	Goals as Emergent Autopoietic Processes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 720652.	4.1	5
28	Towards an Analytic Framework for System Resilience Based on Reaction Networks. Complexity, 2022, 2022, 1-29.	1.6	5
29	Unitary Transformations in the Quantum Model for Conceptual Conjunctions and Its Application to Data Representation. Frontiers in Psychology, 2015, 6, 1734.	2.1	4
30	Toward endosymbiosis modeling using reaction networks. Soft Computing, 2021, 25, 6831-6840.	3.6	4
31	From Quantum Axiomatics to Quantum Conceptuality. Activitas Nervosa Superior, 2019, 61, 76-82.	0.4	3
32	Preface of the Special Issue International Symposium -Worlds of Entanglement- Foundations of Science, 2020, 25, 1-4.	0.7	3
33	Reaction Network Modeling of Complex Ecological Interactions: Endosymbiosis and Multilevel Regulation. Complexity, 2021, 2021, 1-12.	1.6	3
34	Quantum Theory Methods as a Possible Alternative for the Double-Blind Gold Standard of Evidence-Based Medicine: Outlining a New Research Program. Foundations of Science, 2019, 24, 217-225.	0.7	2
35	Preface of the Special Issue: International Symposium -Worlds of Entanglement- Second Part. Foundations of Science, 2021, 26, 1-4.	0.7	2
36	Quantum Cognition Beyond Hilbert Space: Fundamentals and Applications. Lecture Notes in Computer Science, 2017, , 81-98.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Context and Interference Effects in the Combinations of Natural Concepts. Lecture Notes in Computer Science, 2017, , 677-690.	1.3	2
38	Measuring Conceptual Entanglement in Collections of Documents. Lecture Notes in Computer Science, 2014, , 134-146.	1.3	1
39	Acreditaci3n en Red: un sistema de acreditaci3n distribuida para la educaci3n continua. Innoeduca, 2017, 3, 146.	1.8	1
40	On the Classical-Quantum Relation of Constants of Motion. Frontiers in Physics, 2018, 6, .	2.1	0
41	Special issue "International Symposium on Molecular Logic and Computational Synthetic Biology: MLCSB18". Soft Computing, 2021, 25, 6729-6730.	3.6	0
42	QUANTUM COGNITION GOES BEYOND-QUANTUM: MODELING THE COLLECTIVE PARTICIPANT IN PSYCHOLOGICAL MEASUREMENTS. , 2019, , .		0