

# Fernando Soler-Toscano

## List of Publications by Year in descending order

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papers

693  
citations

687335

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610883

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g-index

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all docs

42  
docs citations

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times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global structural stability and the role of cooperation in mutualistic systems. PLoS ONE, 2022, 17, e0267404.	2.5	3
2	Informational Structures and Informational Fields as a Prototype for the Description of Postulates of the Integrated Information Theory. Entropy, 2019, 21, 493.	2.2	10
3	Fractal dimension analysis of states of consciousness and unconsciousness using transcranial magnetic stimulation. Computer Methods and Programs in Biomedicine, 2019, 175, 129-137.	4.7	31
4	Informational structures: A dynamical system approach for integrated information. PLoS Computational Biology, 2018, 14, e1006154.	3.2	22
5	A Decomposition Method for Global Evaluation of Shannon Entropy and Local Estimations of Algorithmic Complexity. Entropy, 2018, 20, 605.	2.2	55
6	A preference for some types of complexity comment on "perceived beauty of random texture patterns: A preference for complexity". Acta Psychologica, 2017, 174, 48-53.	1.5	12
7	Measuring complexity to infer changes in the dynamics of ecological systems under stress. Ecological Complexity, 2017, 32, 144-155.	2.9	32
8	A Computable Measure of Algorithmic Probability by Finite Approximations with an Application to Integer Sequences. Complexity, 2017, 2017, 1-10.	1.6	9
9	Abductive Reasoning in Dynamic Epistemic Logic. , 2017, , 269-293.		4
10	Human behavioral complexity peaks at age 25. PLoS Computational Biology, 2017, 13, e1005408.	3.2	51
11	Fractal Dimension versus Process Complexity. Advances in Mathematical Physics, 2016, 2016, 1-21.	0.8	13
12	Algorithmic complexity for psychology: a user-friendly implementation of the coding theorem method. Behavior Research Methods, 2016, 48, 314-329.	4.0	43
13	Forgetting complex propositions. Logic Journal of the IGPL, 2015, 23, 942-965.	1.5	7
14	A geometric protocol for cryptography with cards. Designs, Codes, and Cryptography, 2015, 74, 113-125.	1.6	10
15	Natural scene statistics mediate the perception of image complexity. Visual Cognition, 2014, 22, 1084-1091.	1.6	23
16	El giro dinámico en la epistemología formal: el caso del razonamiento explicativo. Theoria (Spain), 2014, 29, 181.	0.4	0
17	Correlation of automorphism group size and topological properties with program-size complexity evaluations of graphs and complex networks. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 341-358.	2.6	51
18	Algorithmic complexity for short binary strings applied to psychology: a primer. Behavior Research Methods, 2014, 46, 732-744.	4.0	42

#	ARTICLE	IF	CITATIONS
19	Generation and Selection of Abductive Explanations for Non-Omniscient Agents. Journal of Logic, Language and Information, 2014, 23, 141-168.	0.6	7
20	Calculating Kolmogorov Complexity from the Output Frequency Distributions of Small Turing Machines. PLoS ONE, 2014, 9, e96223.	2.5	111
21	Efficient Program Transformers for Translating LCC to PDL. Lecture Notes in Computer Science, 2014, , 253-266.	1.3	0
22	An epistemic and dynamic approach to abductive reasoning: Abductive problem and abductive solution. Journal of Applied Logic, 2013, 11, 505-522.	1.1	17
23	A colouring protocol for the generalized Russian cards problem. Theoretical Computer Science, 2013, 495, 81-95.	0.9	16
24	An epistemic and dynamic approach to abductive reasoning: selecting the best explanation. Logic Journal of the IGPL, 2013, 21, 943-961.	1.5	7
25	Correspondence and Independence of Numerical Evaluations of Algorithmic Information Measures. Computability, 2013, 2, 125-140.	0.3	26
26	A modal framework for modelling abductive reasoning. Logic Journal of the IGPL, 2012, 20, 438-444.	1.5	10
27	Empirical Encounters with Computational Irreducibility and Unpredictability. Minds and Machines, 2012, 22, 149-165.	4.8	10
28	Unconditionally Secure Protocols with Genetic Algorithms. Advances in Intelligent and Soft Computing, 2012, , 121-128.	0.2	0
29	Secure Communication of Local States in Interpreted Systems. Advances in Intelligent and Soft Computing, 2011, , 117-124.	0.2	5
30	Abduction via $\mathcal{C}$ -tableaux and $\hat{\Gamma}$ -resolution. Journal of Applied Non-Classical Logics, 2009, 19, 211-225.	0.5	4
31	Model-Based Abduction via Dual Resolution. Logic Journal of the IGPL, 2006, 14, 305-319.	1.5	7
32	tarfa: Tableaux and Resolution for Finite Abduction. Lecture Notes in Computer Science, 2006, , 511-514.	1.3	1
33	Two-dimensional Kolmogorov complexity and an empirical validation of the Coding theorem method by compressibility. PeerJ Computer Science, 0, 1, e23.	4.5	38