Pedro C MarijuÃ¡n

List of Publications by Year
in descending order

41 papers	508 citations	687220 13 h-index	713332 21 g-index
43 all docs	43 docs citations	43 times ranked	401 citing authors

#	Article	IF	Citations
1	The Transcriptional Regulatory Network of Mycobacterium tuberculosis. PLoS ONE, 2011, 6, e22178.	1.1	58
2	On prokaryotic intelligence: Strategies for sensing the environment. BioSystems, 2010, 99, 94-103.	0.9	56
3	Topodynamics of metastable brains. Physics of Life Reviews, 2017, 21, 1-20.	1.5	47
4	On eukaryotic intelligence: Signaling system's guidance in the evolution of multicellular organization. BioSystems, 2013, 114, 8-24.	0.9	27
5	How the living is in the world: An inquiry into the informational choreographies of life. Progress in Biophysics and Molecular Biology, 2015, 119, 469-480.	1.4	25
6	â€˜Gloom in the society of enzymesâ€™: on the nature of biological information. BioSystems, 1996, 38, 163-171.	0.9	19
7	Cellular â€œbauplansâ€• Evolving unicellular forms by means of Julia sets and Pickover biomorphs. BioSystems, 2009, 98, 19-30.	0.9	18
8	Enzymes and theoretical biology: sketch of an informational perspective of the cell. BioSystems, 1991, 25, 259-273.	0.9	17
9	Enzymes, artificial cells and the nature of biological information. BioSystems, 1995, 35, 167-170.	0.9	16
10	The â€œsociotypeâ€•construct: Gauging the structure and dynamics of human sociality. PLoS ONE, 2017, 12, e0189568.	1.1	16
11	How prokaryotes â€˜encodeâ€™ their environment: Systemic tools for organizing the information flow. BioSystems, 2018, 164, 26-38.	0.9	15
12	Bionformation: untangling the networks of life. BioSystems, 2002, 64, 111-118.	0.9	14
13	From Genomics to Scientomics: Expanding the Bioinformation Paradigm. Information (Switzerland), 2011, 2, 651-671.	1.7	13
14	Learning and evolution in bacterial taxis: an operational amplifier circuit modeling the computational dynamics of the prokaryotic â€˜two component systemâ€™ protein network. BioSystems, 2004, 74, 29-49.	0.9	12
15	Enzymes as molecular automata: a stochastic model of self-oscillatory glycolytic cycles in cellular metabolism. BioSystems, 2000, 56, 121-129.	0.9	11
16	Enzymes as molecular automata: a reflection on some numerical and philosophical aspects of the hypothesis. BioSystems, 1992, 27, 97-113.	0.9	10
17	Cajal and Consciousness. Annals of the New York Academy of Sciences, 2001, 929, 1-10.	1.8	10
18	Laughing bonds. Kybernetes, 2016, 45, 1292-1307.	1.2	10

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19	Bacterial computing: a form of natural computing and its applications. Frontiers in Microbiology, 2014, 5, 101.	1.5	9
20	Fundamental, Quantitative Traits of the â€œSociotypeâ€• BioSystems, 2019, 180, 79-87.	0.9	9
21	From Molecular Recognition to the â€œVehiclesâ€•of Evolutionary Complexity: An Informational Approach. International Journal of Molecular Sciences, 2021, 22, 11965.	1.8	8
22	Cellular gauge symmetry and the Li organization principle: General considerations. Progress in Biophysics and Molecular Biology, 2017, 131, 141-152.	1.4	7
23	Sociotype and cultural evolution: The acceleration of cultural change alongside industrial revolutions. BioSystems, 2020, 195, 104170.	0.9	7
24	Plausibility of a Neural Network Classifier-Based Neuroprosthesis for Depression Detection via Laughter Records. Frontiers in Neuroscience, 2019, 13, 267.	1.4	6
25	The Advancement of Information Science. TripleC, 2009, 7, 369-375.	0.6	6
26	The biological information flow: From cell theory to a new evolutionary synthesis. BioSystems, 2022, 213, 104631.	0.9	5
27	Scientomics: An Emergent Perspective in Knowledge Organization. Knowledge Organization, 2012, 39, 153-164.	0.1	4
28	The topological inventions of life: From the specialization of multicellular colonies to the functioning of the vertebrate brain. World Futures, 1997, 50, 617-631.	0.8	3
29	New Times and New Challenges for Information Science: From Cellular Systems to Human Societies. Information (Switzerland), 2014, 5, 101-119.	1.7	3
30	The Entropy of Laughter: Discriminative Power of Laughterâ€™s Entropy in the Diagnosis of Depression. Entropy, 2016, 18, 36.	1.1	3
31	Information and the unfolding of social life: molecular-biological resonances reaching up to the economy. BioSystems, 1998, 46, 145-151.	0.9	2
32	FROM INANIMATE MOLECULES TO LIVING CELLS: THE INFORMATIONAL SCAFFOLDING OF LIFE. , 2003, , .		2
33	The Cost of Loneliness: Assessing the Social Relationships of the Elderly via an Abbreviated Sociotype Questionnaire for inside and outside the Clinic. International Journal of Environmental Research and Public Health, 2022, 19, 1253.	1.2	2
34	Second conference on foundations of information science: the quest for a unified theory of information. BioSystems, 1998, 46, 1-7.	0.9	1
35	On being informational: intertwining the communication and self-production flows. Kybernetes, 2014, 43, 846-864.	1.2	1
36	The Natural, Artificial, and Social Domains of Intelligence: A Triune Approach. , 2022, 81, .		1

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37	Emergence of power laws from partitional dynamics. BioSystems, 2004, 74, 63-71.	0.9	0
38	Introduction to the Special Issue on Information: Selected Papers from â€œFIS 2010 Beijingâ€. Information (Switzerland), 2012, 3, 16-20.	1.7	0
39	Information and Symmetry: Adumbrating the Abstract Core of Complex Systems. Information (Switzerland), 2017, 8, 35.	1.7	0
40	The Sociotype of Dermatological Patients: Assessing the Social Burden of Skin Disease. Psych, 2021, 3, 348-359.	0.7	0
41	Editorial: Fundamental principles of biological computation: From molecular computing to evolutionary complexity. BioSystems, 2022, , 104719.	0.9	0