

Francisco JosÃ© Romero-Campero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2314926/publications.pdf>

Version: 2024-02-01

49
papers

1,208
citations

361413

20
h-index

414414

32
g-index

56
all docs

56
docs citations

56
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model of the Quorum Sensing System in <i>Vibrio fischeri</i> Using P Systems. <i>Artificial Life</i> , 2008, 14, 95-109.	1.3	76
2	Photoperiodic Control of Carbon Distribution during the Floral Transition in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 565-584.	6.6	73
3	H2A monoubiquitination in <i>Arabidopsis thaliana</i> is generally independent of LHP1 and PRC2 activity. <i>Genome Biology</i> , 2017, 18, 69.	8.8	71
4	The Glycerol-Dependent Metabolic Persistence of <i>Pseudomonas putida</i> KT2440 Reflects the Regulatory Logic of the GlpR Repressor. <i>MBio</i> , 2015, 6, .	4.1	62
5	Modelling gene expression control using P systems: The Lac Operon, a case study. <i>BioSystems</i> , 2008, 91, 438-457.	2.0	55
6	ChlamyNET: a <i>Chlamydomonas</i> gene co-expression network reveals global properties of the transcriptome and the early setup of key co-expression patterns in the green lineage. <i>BMC Genomics</i> , 2016, 17, 227.	2.8	45
7	P Systems, a New Computational Modelling Tool for Systems Biology. <i>Lecture Notes in Computer Science</i> , 2006, , 176-197.	1.3	45
8	A uniform solution to SAT using membrane creation. <i>Theoretical Computer Science</i> , 2007, 371, 54-61.	0.9	44
9	MODULAR ASSEMBLY OF CELL SYSTEMS BIOLOGY MODELS USING P SYSTEMS. <i>International Journal of Foundations of Computer Science</i> , 2009, 20, 427-442.	1.1	41
10	Evolving cell models for systems and synthetic biology. <i>Systems and Synthetic Biology</i> , 2010, 4, 55-84.	1.0	40
11	The Infobiotics Workbench: an integrated <i>in silico</i> modelling platform for Systems and Synthetic Biology. <i>Bioinformatics</i> , 2011, 27, 3323-3324.	4.1	40
12	Evolution of photoperiod sensing in plants and algae. <i>Current Opinion in Plant Biology</i> , 2017, 37, 10-17.	7.1	39
13	The <i>Arabidopsis</i> Polycomb Repressive Complex 1 (PRC1) Components AtBMI1A, B, and C Impact Gene Networks throughout All Stages of Plant Development. <i>Plant Physiology</i> , 2017, 173, 627-641.	4.8	38
14	Evolutionary Analysis of DELLA-Associated Transcriptional Networks. <i>Frontiers in Plant Science</i> , 2017, 8, 626.	3.6	35
15	H2AK121ub in <i>Arabidopsis</i> associates with a less accessible chromatin state at transcriptional regulation hotspots. <i>Nature Communications</i> , 2021, 12, 315.	12.8	35
16	Simulating FAS-induced apoptosis by using P systems. <i>Progress in Natural Science: Materials International</i> , 2007, 17, 424-431.	4.4	27
17	Computational efficiency of dissolution rules in membrane systems. <i>International Journal of Computer Mathematics</i> , 2006, 83, 593-611.	1.8	26
18	Evolution of Daily Gene Co-expression Patterns from Algae to Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1217.	3.6	26

#	ARTICLE	IF	CITATIONS
19	An Evolutionarily Conserved DOF-CONSTANS Module Controls Plant Photoperiodic Signaling. <i>Plant Physiology</i> , 2015, 168, 561-574.	4.8	23
20	A contribution to the study of plant development evolution based on gene co-expression networks. <i>Frontiers in Plant Science</i> , 2013, 4, 291.	3.6	22
21	New challenges in microalgae biotechnology. <i>European Journal of Protistology</i> , 2016, 55, 95-101.	1.5	22
22	Unveiling the underlying molecular basis of astaxanthin accumulation in <i>Haematococcus</i> through integrative metabolomic-transcriptomic analysis. <i>Bioresource Technology</i> , 2021, 332, 125150.	9.6	22
23	Towards Probabilistic Model Checking on P Systems Using PRISM. <i>Lecture Notes in Computer Science</i> , 2006, , 477-495.	1.3	21
24	Deterministic and stochastic P systems for modelling cellular processes. <i>Natural Computing</i> , 2010, 9, 457-473.	3.0	20
25	Infobiotics Workbench: A P Systems Based Tool for Systems and Synthetic Biology. <i>Emergence, Complexity and Computation</i> , 2014, , 1-41.	0.3	19
26	Structure and parameter estimation for cell systems biology models. , 2008, ,		18
27	A Hybrid Approach to Modeling Biological Systems. , 2007, , 138-159.		18
28	A computational study of liposome logic: towards cellular computing from the bottom up. <i>Systems and Synthetic Biology</i> , 2010, 4, 157-179.	1.0	16
29	Comparative transcriptomic analysis unveils interactions between the regulatory CarS protein and light response in <i>Fusarium</i> . <i>BMC Genomics</i> , 2019, 20, 67.	2.8	15
30	A polynomial alternative to unbounded environment for tissue P systems with cell division. <i>International Journal of Computer Mathematics</i> , 2013, 90, 760-775.	1.8	14
31	Changes at a Critical Branchpoint in the Anthocyanin Biosynthetic Pathway Underlie the Blue to Orange Flower Color Transition in <i>Lysimachia arvensis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 633979.	3.6	13
32	Towards a P Systems <i>Pseudomonas</i> Quorum Sensing Model. <i>Lecture Notes in Computer Science</i> , 2006, , 197-214.	1.3	13
33	A chloroplast redox relay adapts plastid metabolism to light and affects cytosolic protein quality control. <i>Plant Physiology</i> , 2021, 187, 88-102.	4.8	12
34	Modeling Signal Transduction Using P Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 100-122.	1.3	12
35	A Multiscale Modeling Framework Based on P Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 63-77.	1.3	11
36	Membrane Computing as a Modeling Framework. <i>Cellular Systems Case Studies</i> . , 2008, , 168-214.		9

#	ARTICLE	IF	CITATIONS
37	Cellular modelling using P systems and process algebra. Progress in Natural Science: Materials International, 2007, 17, 375-383.	4.4	8
38	Role of a cryptic tRNA gene operon in survival under translational stress. Nucleic Acids Research, 2021, 49, 8757-8776.	14.5	8
39	On P systems with bounded parallelism. , 2005, , .		6
40	Trading Polarization for Bi-stable Catalysts in P Systems with Active Membranes. Lecture Notes in Computer Science, 2005, , 373-388.	1.3	6
41	Transcriptomic and Metabolomic Response to High Light in the Charophyte Alga Klebsormidium nitens. Frontiers in Plant Science, 2022, 13, .	3.6	6
42	Heterotic Computing Examples with Optics, Bacteria, and Chemicals. Lecture Notes in Computer Science, 2012, , 198-209.	1.3	4
43	ALGAEFUN with MARACAS, microALGAE FUNctional enrichment tool for MicroAlgae RnA-seq and Chip-seq Analysis. BMC Bioinformatics, 2022, 23, 113.	2.6	3
44	Characterizing tractability with membrane creation. , 2005, , .		2
45	How to express tumours using membrane systems. Progress in Natural Science: Materials International, 2007, 17, 449-457.	4.4	2
46	On the efficiency of cell-like and tissue-like recognizing membrane systems. International Journal of Intelligent Systems, 2009, 24, 747-765.	5.7	2
47	A Modeling Approach Based on P Systems with Bounded Parallelism. Lecture Notes in Computer Science, 2006, , 49-65.	1.3	1
48	Looking for Small Efficient P Systems. Fundamenta Informaticae, 2011, 110, 295-308.	0.4	0
49	An Approach to the Engineering of Cellular Models Based on P Systems. Lecture Notes in Computer Science, 2009, , 430-436.	1.3	0