Angel Goni-Moreno

List of Publications by Year
in descending order

40 papers	1,265 citations	430874 18 h-index	414414 32 g-index
52 all docs	52 docs citations	52 times ranked	1385 citing authors

#	Article	IF	Citations
1	Fast biofoundries: coping with the challenges of biomanufacturing. Trends in Biotechnology, 2022, 40, 831-842.	9.3	20
2	A Standardized Inverter Package Borne by Broad Host Range Plasmids for Genetic Circuit Design in Gram-Negative Bacteria. ACS Synthetic Biology, 2021, 10, 213-217.	3.8	9
3	Subcellular Architecture of the xyl Gene Expression Flow of the TOL Catabolic Plasmid of Pseudomonas putida mt-2. MBio, 2021, 12, .	4.1	3
4	Automated design and implementation of a NOR gate in Pseudomonas putida. Synthetic Biology, 2021, 6, ysab024.	2.2	12
5	Contextual dependencies expand the re-usability of genetic inverters. Nature Communications, 2021, 12, 355.	12.8	35
6	SEVA 3.0: an update of the Standard European Vector Architecture for enabling portability of genetic constructs among diverse bacterial hosts. Nucleic Acids Research, 2020, 48, D1164-D1170.	14.5	82
7	Capturing Multicellular System Designs Using Synthetic Biology Open Language (SBOL). ACS Synthetic Biology, 2020, 9, 2410-2417.	3.8	1
8	ShortBOL: A Language for Scripting Designs for Engineered Biological Systems Using Synthetic Biology Open Language (SBOL). ACS Synthetic Biology, 2020, 9, 962-966.	3.8	7
9	The long journey towards standards for engineering biosystems. EMBO Reports, 2020, 21, e50521.	4.5	46
10	Modelling co-translational dimerization for programmable nonlinearity in synthetic biology. Journal of the Royal Society Interface, 2020, 17, 20200561.	3.4	6
11	A Model for the Spatiotemporal Design of Gene Regulatory Circuits. ACS Synthetic Biology, 2019, 8, 2007-2016.	3.8	13
12	Communicating Structure and Function in Synthetic Biology Diagrams. ACS Synthetic Biology, 2019, 8, 1818-1825.	3.8	30
13	Futureâ€proofing synthetic biology: educating the next generation. Engineering Biology, 2019, 3, 25-31.	1.8	7
14	Spatial organization of the gene expression hardware in Pseudomonas putida. Environmental Microbiology, 2019, 21, 1645-1658.	3.8	14
15	SBOL-OWL: An Ontological Approach for Formal and Semantic Representation of Synthetic Biology Information. ACS Synthetic Biology, 2019, 8, 1498-1514.	3.8	12
16	Enabling the Advanced Bioeconomy through Public Policy Supporting Biofoundries and Engineering Biology. Trends in Biotechnology, 2019, 37, 917-920.	9.3	26
17	High-Performance Biocomputing in Synthetic Biologyâ€“Integrated Transcriptional and Metabolic Circuits. Frontiers in Bioengineering and Biotechnology, 2019, 7, 40.	4.1	34
18	Pathways to cellular supremacy in biocomputing. Nature Communications, 2019, 10, 5250.	12.8	88

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19	Towards Low-Carbon Conferencing: Acceptance of Virtual Conferencing Solutions and Other Sustainability Measures in the ALIFE Community. , 2019, , .		3
20	Digitalizing heterologous gene expression in Gramâ€negative bacteria with a portable ON/OFF module. Molecular Systems Biology, 2019, 15, e8777.	7.2	33
21	Dynamical Task Switching in Cellular Computers. Life, 2019, 9, 14.	2.4	5
22	Artificial Life in a Challenged World. , 2019, , .		0
23	SynBioHub: A Standards-Enabled Design Repository for Synthetic Biology. ACS Synthetic Biology, 2018, 7, 682-688.	3.8	112
24	Cellular Computing and Synthetic Biology. Natural Computing Series, 2018, , 93-110.	2.2	28
25	Bio-Algorithmic Workflows for Standardized Synthetic Biology Constructs. Methods in Molecular Biology, 2018, 1772, 363-372.	0.9	1
26	Deconvolution of Gene Expression Noise into Spatial Dynamics of Transcription Factorâ€“Promoter Interplay. ACS Synthetic Biology, 2017, 6, 1359-1369.	3.8	39
27	CellShape: A userâ€friendly image analysis tool for quantitative visualization of bacterial cell factories inside. Biotechnology Journal, 2017, 12, 1600323.	3.5	15
28	Cell differentiation defines acute and chronic infection cell types in Staphylococcus aureus. ELife, 2017, 6, .	6.0	59
29	Physical Forces Shape Group Identity of Swimming Pseudomonas putida Cells. Frontiers in Microbiology, 2016, 7, 1437.	3.5	26
30	A Metabolic Widget Adjusts the Phosphoenolpyruvate-Dependent Fructose Influx in Pseudomonas putida. MSystems, 2016, 1, .	3.8	28
31	An Implementation-Focused Bio/Algorithmic Workflow for Synthetic Biology. ACS Synthetic Biology, 2016, 5, 1127-1135.	3.8	31
32	SEVA 2.0: an update of the Standard European Vector Architecture for de-/re-construction of bacterial functionalities. Nucleic Acids Research, 2015, 43, D1183-D1189.	14.5	195
33	The Glycerol-Dependent Metabolic Persistence of Pseudomonas putida KT2440 Reflects the Regulatory Logic of the GlpR Repressor. MBio, 2015, 6, .	4.1	62
34	DiSCUS: A Simulation Platform for Conjugation Computing. Lecture Notes in Computer Science, 2015, , 181-191.	1.3	18
35	On genetic logic circuits: forcing digital electronics standards?. Memetic Computing, 2014, 6, 149-155.	4.0	5
36	Multicellular Computing Using Conjugation for Wiring. PLoS ONE, 2013, 8, e65986.	2.5	61

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37	Continuous computation in engineered gene circuits. BioSystems, 2012, 109, 52-56.	2.0	16
38	A reconfigurable NAND/NOR genetic logic gate. BMC Systems Biology, 2012, 6, 126.	3.0	50
39	Biocircuit design through engineering bacterial logic gates. Natural Computing, 2011, 10, 119-127.	3.0	23
40	Model for a population-based microbial oscillator. BioSystems, 2011, 105, 286-294.	2.0	7