

# Jole Costanza

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

260  
citations

933264

10  
h-index

940416

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust design of microbial strains. <i>Bioinformatics</i> , 2012, 28, 3097-3104.	1.8	53
2	Molecular Insights into the Classification of Luminal Breast Cancers: The Genomic Heterogeneity of Progesterone-Negative Tumors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 510.	1.8	25
3	PTEN Expression as a Complementary Biomarker for Mismatch Repair Testing in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1461.	1.8	25
4	Pareto Optimality in Organelle Energy Metabolism Analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 1032-1044.	1.9	22
5	Pareto Optimal Design for Synthetic Biology. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015, 9, 555-571.	2.7	20
6	LowMACA: exploiting protein family analysis for the identification of rare driver mutations in cancer. <i>BMC Bioinformatics</i> , 2016, 17, 80.	1.2	16
7	Multi-objective optimization of genome-scale metabolic models: the case of ethanol production. <i>Annals of Operations Research</i> , 2019, 276, 211-227.	2.6	15
8	Analysis of BRCA1 and RAD51C Promoter Methylation in Italian Families at High-Risk of Breast and Ovarian Cancer. <i>Cancers</i> , 2020, 12, 910.	1.7	13
9	Efficient Behavior of Photosynthetic Organelles via Pareto Optimality, Identifiability, and Sensitivity Analysis. <i>ACS Synthetic Biology</i> , 2013, 2, 274-288.	1.9	10
10	Pareto optimal metabolic engineering for the growth-coupled overproduction of sustainable chemicals. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1890-1902.	1.7	10
11	A design automation framework for computational bioenergetics in biological networks. <i>Molecular BioSystems</i> , 2013, 9, 2554.	2.9	8
12	Multi-Target Analysis and Design of Mitochondrial Metabolism. <i>PLoS ONE</i> , 2015, 10, e0133825.	1.1	8
13	Extensive Placental Methylation Profiling in Normal Pregnancies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2136.	1.8	8
14	Multi-objective Optimisation, Sensitivity and Robustness Analysis in FBA Modelling. <i>Lecture Notes in Computer Science</i> , 2012, , 127-147.	1.0	7
15	Identification of Sensitive Enzymes in the Photosynthetic Carbon Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2012, 736, 441-459.	0.8	5
16	Pareto epsilon-dominance and identifiable solutions for BioCAD modeling. , 2013, , .		3
17	Assessment of pregnancy dietary intake and association with maternal and neonatal outcomes. <i>Pediatric Research</i> , 2021, , .	1.1	3
18	Rational design of organelle compartments in cells. <i>EMBnet Journal</i> , 2012, 18, 20.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Large Scale Agent-Based Modeling of the Humoral and Cellular Immune Response. Lecture Notes in Computer Science, 2011, , 15-29.	1.0	3
20	Design and strain selection criteria for bacterial communication networks. Nano Communication Networks, 2013, 4, 155-163.	1.6	1
21	Multi objective design for bacterial communication networks. , 2013, , .		1
22	Metabolic Circuit Design Automation by Multi-objective BioCAD. Lecture Notes in Computer Science, 2016, , 30-44.	1.0	1
23	A Memetic Immunological Algorithm for Resource Allocation Problem. Lecture Notes in Computer Science, 2011, , 308-320.	1.0	0
24	The Role of the Genome in the Evolution of the Complexity of Metabolic Machines. Springer Proceedings in Complexity, 2013, , 1063-1069.	0.2	0
25	Programming Living Machines: The Case Study of Escherichia Coli. Lecture Notes in Computer Science, 2014, , 377-379.	1.0	0
26	Multi-objective Modeling of Ground Deformation and Gravity Changes of Volcanic Eruptions. Lecture Notes in Computer Science, 2015, , 359-370.	1.0	0