

# Abdul Salam Jarrah

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/847614/publications.pdf>

Version: 2024-02-01

35  
papers

958  
citations

471509

17  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

985  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Vanishing of Discrete Singular Cubical Homology for Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 35-54.	0.8	1
2	Homology Groups of Cubical Sets with Connections. Applied Categorical Structures, 2021, 29, 415-429.	0.5	1
3	Quantitative Modelling Approaches. , 2019, , 874-883.		0
4	Discrete cubical and path homologies of graphs. Algebraic Combinatorics, 2019, 2, 417-437.	0.3	5
5	Gene Regulatory Network Modeling of Macrophage Differentiation Corroborates the Continuum Hypothesis of Polarization States. Frontiers in Physiology, 2018, 9, 1659.	2.8	102
6	Statistical ensemble of gene regulatory networks of macrophage differentiation. BMC Bioinformatics, 2016, 17, 506.	2.6	24
7	A Mathematical Model of Skeletal Muscle Disease and Immune Response in the <i>MDX</i> Mouse. BioMed Research International, 2014, 2014, 1-11.	1.9	9
8	An algebra-based method for inferring gene regulatory networks. BMC Systems Biology, 2014, 8, 37.	3.0	26
9	Systems Modeling of Molecular Mechanisms Controlling Cytokine-driven CD4+ T Cell Differentiation and Phenotype Plasticity. PLoS Computational Biology, 2013, 9, e1003027.	3.2	111
10	Inferring Biologically Relevant Models: Nested Canalizing Functions. , 2012, 2012, 1-7.		8
11	Probabilistic polynomial dynamical systems for reverse engineering of gene regulatory networks. Eurasip Journal on Bioinformatics and Systems Biology, 2011, 2011, 1.	1.4	2
12	Parameter estimation for Boolean models of biological networks. Theoretical Computer Science, 2011, 412, 2816-2826.	0.9	25
13	A Mathematical Framework for Agent Based Models of Complex Biological Networks. Bulletin of Mathematical Biology, 2011, 73, 1583-1602.	1.9	59
14	The Dynamics of Conjunctive and Disjunctive Boolean Network Models. Bulletin of Mathematical Biology, 2010, 72, 1425-1447.	1.9	47
15	A new approach to computing hedonic equilibria and investigating the properties of locational sorting models. Journal of Urban Economics, 2010, 67, 322-335.	4.4	24
16	Polynomial algebra of discrete models in systems biology. Bioinformatics, 2010, 26, 1637-1643.	4.1	62
17	A systems biology view of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2009, 1796, 129-139.	7.4	55
18	Algebraic Models of Biochemical Networks. Methods in Enzymology, 2009, 467, 163-196.	1.0	3

#	ARTICLE	IF	CITATIONS
19	System Identification for Discrete Polynomial Models of Gene Regulatory Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 39-41.	0.4	2
20	On the Algebraic Geometry of Polynomial Dynamical Systems. The IMA Volumes in Mathematics and Its Applications, 2009, , 109-123.	0.5	2
21	A virtual look at Epstein-Barr virus infection: Simulation mechanism. Journal of Theoretical Biology, 2008, 252, 633-648.	1.7	28
22	The Effect of Negative Feedback Loops on the Dynamics of Boolean Networks. Biophysical Journal, 2008, 95, 518-526.	0.5	49
23	Finite Dynamical Systems: A Mathematical Framework for Computer Simulation. , 2008, , 343-358.		0
24	Applications of the Gröbner fan to gene network reconstruction (abstract only). ACM Communications in Computer Algebra, 2008, 42, 69-69.	0.4	0
25	A Virtual Look at Epstein-Barr Virus Infection: Biological Interpretations. PLoS Pathogens, 2007, 3, e137.	4.7	26
26	Simulating Epstein-Barr virus infection with C-ImmSim. Bioinformatics, 2007, 23, 1371-1377.	4.1	69
27	A Gröbner fan method for biochemical network modeling. , 2007, , .		18
28	Reverse-engineering of polynomial dynamical systems. Advances in Applied Mathematics, 2007, 39, 477-489.	0.7	66
29	Reverse Engineering of Dynamic Networks. Annals of the New York Academy of Sciences, 2007, 1115, 168-177.	3.8	14
30	Nested canalizing, unate cascade, and polynomial functions. Physica D: Nonlinear Phenomena, 2007, 233, 167-174.	2.8	70
31	Discrete Models of Biochemical Networks: The Toric Variety of Nested Canalizing Functions. Lecture Notes in Computer Science, 2007, , 15-22.	1.3	4
32	Sequential dynamical systems over words. Applied Mathematics and Computation, 2006, 174, 500-510.	2.2	10
33	Generic Cohen-Macaulay Monomial Ideals. Annals of Combinatorics, 2004, 8, 45-61.	0.6	2
34	The Sibirsky component of the center variety of polynomial differential systems. Journal of Symbolic Computation, 2003, 35, 577-589.	0.8	26
35	Integral Closures of Cohen-Macaulay Monomial Ideals. Communications in Algebra, 2002, 30, 5473-5478.	0.6	8