

Gabriel Cardona

List of Publications by Year in descending order

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37
papers

687
citations

623734

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h-index

580821

25
g-index

39
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39
docs citations

39
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting Shao and Sokal's B2 index of phylogenetic balance. <i>Journal of Mathematical Biology</i> , 2021, 83, 52.	1.9	4
2	On the efficiency of perovskite solar cells with a back reflector: effect of a hole transport material. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26250-26262.	2.8	5
3	Twists of the genus 2 curve $Y^2 = X^6 + 1$. <i>Journal of Number Theory</i> , 2020, 209, 195-211.	0.4	0
4	OTSun, a python package for the optical analysis of solar-thermal collectors and photovoltaic cells with arbitrary geometry. <i>PLoS ONE</i> , 2020, 15, e0240735.	2.5	12
5	Counting and enumerating tree-child networks and their subclasses. <i>Journal of Computer and System Sciences</i> , 2020, 114, 84-104.	1.2	16
6	Synergy of the ray tracing+carrier transport approach: On efficiency of perovskite solar cells with a back reflector. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 110050.	6.2	7
7	Generation of Binary Tree-Child phylogenetic networks. <i>PLoS Computational Biology</i> , 2019, 15, e1007347.	3.2	7
8	Generation of level-k LGT Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 17, 1-1.	3.0	2
9	The expected value of the squared cophenetic metric under the Yule and the uniform models. <i>Mathematical Biosciences</i> , 2018, 295, 73-85.	1.9	3
10	Reconstruction of LGT networks from tri-LGT-nets. <i>Journal of Mathematical Biology</i> , 2017, 75, 1669-1692.	1.9	1
11	Fast algorithm for the reconciliation of gene trees and LGT networks. <i>Journal of Theoretical Biology</i> , 2017, 418, 129-137.	1.7	8
12	OTSun Project: Development of a Computational Tool for High-Resolution Optical Analysis of Solar Collectors. , 2016, , .		3
13	A reconstruction problem for a class of phylogenetic networks with lateral gene transfers. <i>Algorithms for Molecular Biology</i> , 2015, 10, 28.	1.2	11
14	The Comparison of Tree-Sibling Time Consistent Phylogenetic Networks Is Graph Isomorphism-Complete. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	4
15	Exact formulas for the variance of several balance indices under the Yule model. <i>Journal of Mathematical Biology</i> , 2013, 67, 1833-1846.	1.9	17
16	Cophenetic metrics for phylogenetic trees, after Sokal and Rohlf. <i>BMC Bioinformatics</i> , 2013, 14, 3.	2.6	48
17	The expected value under the Yule model of the squared path-difference distance. <i>Applied Mathematics Letters</i> , 2012, 25, 2031-2036.	2.7	1
18	Comparison of Galled Trees. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011, 8, 410-427.	3.0	15

#	ARTICLE	IF	CITATIONS
19	Nodal distances for rooted phylogenetic trees. <i>Journal of Mathematical Biology</i> , 2010, 61, 253-276.	1.9	26
20	Path lengths in tree-child time consistent hybridization networks. <i>Information Sciences</i> , 2010, 180, 366-383.	6.9	7
21	Metrics for Phylogenetic Networks II: Nodal and Triplets Metrics. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 454-469.	3.0	22
22	Metrics for Phylogenetic Networks I: Generalizations of the Robinson-Foulds Metric. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 46-61.	3.0	44
23	An algebraic metric for phylogenetic trees. <i>Applied Mathematics Letters</i> , 2009, 22, 1320-1324.	2.7	15
24	Comparison of Tree-Child Phylogenetic Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 552-569.	3.0	123
25	On Nakhleh's Metric for Reduced Phylogenetic Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 629-638.	3.0	15
26	A perl package and an alignment tool for phylogenetic networks. <i>BMC Bioinformatics</i> , 2008, 9, 175.	2.6	13
27	Extended Newick: it is time for a standard representation of phylogenetic networks. <i>BMC Bioinformatics</i> , 2008, 9, 532.	2.6	82
28	Tripartitions do not always discriminate phylogenetic networks. <i>Mathematical Biosciences</i> , 2008, 211, 356-370.	1.9	28
29	A distance metric for a class of tree-sibling phylogenetic networks. <i>Bioinformatics</i> , 2008, 24, 1481-1488.	4.1	48
30	Zeta Function and Cryptographic Exponent of Supersingular Curves of Genus 2. <i>Lecture Notes in Computer Science</i> , 2007, , 132-151.	1.3	5
31	Curves of genus 2 with group of automorphisms isomorphic to \hat{A}_5 or \hat{A}_4 . <i>Transactions of the American Mathematical Society</i> , 2007, 359, 2831-2849.	0.9	15
32	Representations of \mathfrak{sl}_2 . <i>Journal of Algebra</i> , 2007, 311, 1-24.	0.7	7
33	Curves of genus two over fields of even characteristic. <i>Mathematische Zeitschrift</i> , 2005, 250, 177-201.	0.9	13
34	Field of moduli and field of definition for curves of genus 2. <i>Journal of Number Theory</i> , 2005, 103, 1-14.		25
35	\hat{A}_5 -curves and Abelian Varieties of GL ₂ -type from Dihedral Genus 2 Curves. <i>Journal of Number Theory</i> , 2004, 100, 45-52.		4
36	On the number of curves of genus 2 over a finite field. <i>Finite Fields and Their Applications</i> , 2003, 9, 505-526.	1.0	14

#	ARTICLE	IF	CITATIONS
37	On curves of genus 2 with Jacobian of GL 2 -type. Manuscripta Mathematica, 1999, 98, 37-54.	0.6	14