

Changbo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

387
citations

1040056

9
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithms for computing triangular decomposition of polynomial systems. Journal of Symbolic Computation, 2012, 47, 610-642.	0.8	60
2	Computing cylindrical algebraic decomposition via triangular decomposition. , 2009, , .		56
3	Comprehensive Triangular Decomposition. Lecture Notes in Computer Science, 2007, , 73-101.	1.3	42
4	Triangular decomposition of semi-algebraic systems. Journal of Symbolic Computation, 2013, 49, 3-26.	0.8	41
5	Quantifier elimination by cylindrical algebraic decomposition based on regular chains. Journal of Symbolic Computation, 2016, 75, 74-93.	0.8	35
6	Bellâ€™s Nonlocality Can be Detected by the Violation of Einstein-Podolsky-Rosen Steering Inequality. Scientific Reports, 2016, 6, 39063.	3.3	31
7	Mapping criteria between nonlocality and steerability in qudit-qubit systems and between steerability and entanglement in qubit-qudit systems. Physical Review A, 2018, 98, .	2.5	20
8	Steerability detection of an arbitrary two-qubit state via machine learning. Physical Review A, 2019, 100, .	2.5	18
9	Truth Table Invariant Cylindrical Algebraic Decomposition by Regular Chains. Lecture Notes in Computer Science, 2014, , 44-58.	1.3	16
10	Algorithms for computing triangular decompositions of polynomial systems. , 2011, , .		12
11	An Incremental Algorithm for Computing Cylindrical Algebraic Decompositions. , 2014, , 199-221.		12
12	Semi-algebraic Description of the Equilibria of Dynamical Systems. Lecture Notes in Computer Science, 2011, , 101-125.	1.3	11
13	A Numerical Method for Computing Border Curves of Bi-parametric Real Polynomial Systems and Applications. Lecture Notes in Computer Science, 2016, , 156-171.	1.3	7
14	Cylindrical Algebraic Decomposition in the RegularChains Library. Lecture Notes in Computer Science, 2014, , 425-433.	1.3	7
15	Entanglement structure detection via machine learning. Quantum Science and Technology, 2021, 6, 035017.	5.8	5
16	A Numerical Method for Analyzing the Stability of Bi-Parametric Biological Systems. , 2016, , .		4
17	Visualizing Planar and Space Implicit Real Algebraic Curves with Singularities. Journal of Systems Science and Complexity, 2020, 33, 1252-1274.	2.8	3
18	Chordality Preserving Incremental Triangular Decomposition and Its Implementation. Lecture Notes in Computer Science, 2020, , 27-36.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Variable Ordering Selection for Cylindrical Algebraic Decomposition with Artificial Neural Networks. Lecture Notes in Computer Science, 2020, , 281-291.	1.3	2
20	Numerical roadmap of smooth bounded real algebraic surface. Computer Aided Geometric Design, 2020, 79, 101858.	1.2	1
21	Revealing Bistability in Neurological Disorder Models By Solving Parametric Polynomial Systems Geometrically. Lecture Notes in Computer Science, 2018, , 170-180.	1.3	1
22	A Geometric Approach for Analyzing Parametric Biological Systems by Exploiting Block Triangular Structure. SIAM Journal on Applied Dynamical Systems, 2022, 21, 1573-1596.	1.6	0