

Changbo Chen

List of Publications by Year in descending order

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22
papers

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times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	A Geometric Approach for Analyzing Parametric Biological Systems by Exploiting Block Triangular Structure. <i>SIAM Journal on Applied Dynamical Systems</i> , 2022, 21, 1573-1596.	1.6	0
2	Entanglement structure detection via machine learning. <i>Quantum Science and Technology</i> , 2021, 6, 035017.	5.8	5
3	Numerical roadmap of smooth bounded real algebraic surface. <i>Computer Aided Geometric Design</i> , 2020, 79, 101858.	1.2	1
4	Visualizing Planar and Space Implicit Real Algebraic Curves with Singularities. <i>Journal of Systems Science and Complexity</i> , 2020, 33, 1252-1274.	2.8	3
5	Chordality Preserving Incremental Triangular Decomposition and Its Implementation. <i>Lecture Notes in Computer Science</i> , 2020, , 27-36.	1.3	3
6	Variable Ordering Selection for Cylindrical Algebraic Decomposition with Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 281-291.	1.3	2
7	Steerability detection of an arbitrary two-qubit state via machine learning. <i>Physical Review A</i> , 2019, 100, .	2.5	18
8	Mapping criteria between nonlocality and steerability in qudit-qubit systems and between steerability and entanglement in qubit-qudit systems. <i>Physical Review A</i> , 2018, 98, .	2.5	20
9	Revealing Bistability in Neurological Disorder Models By Solving Parametric Polynomial Systems Geometrically. <i>Lecture Notes in Computer Science</i> , 2018, , 170-180.	1.3	1
10	Bell's Nonlocality Can be Detected by the Violation of Einstein-Podolsky-Rosen Steering Inequality. <i>Scientific Reports</i> , 2016, 6, 39063.	3.3	31
11	A Numerical Method for Analyzing the Stability of Bi-Parametric Biological Systems. , 2016, , .		4
12	Quantifier elimination by cylindrical algebraic decomposition based on regular chains. <i>Journal of Symbolic Computation</i> , 2016, 75, 74-93.	0.8	35
13	A Numerical Method for Computing Border Curves of Bi-parametric Real Polynomial Systems and Applications. <i>Lecture Notes in Computer Science</i> , 2016, , 156-171.	1.3	7
14	Truth Table Invariant Cylindrical Algebraic Decomposition by Regular Chains. <i>Lecture Notes in Computer Science</i> , 2014, , 44-58.	1.3	16
15	An Incremental Algorithm for Computing Cylindrical Algebraic Decompositions. , 2014, , 199-221.		12
16	Cylindrical Algebraic Decomposition in the RegularChains Library. <i>Lecture Notes in Computer Science</i> , 2014, , 425-433.	1.3	7
17	Triangular decomposition of semi-algebraic systems. <i>Journal of Symbolic Computation</i> , 2013, 49, 3-26.	0.8	41
18	Algorithms for computing triangular decomposition of polynomial systems. <i>Journal of Symbolic Computation</i> , 2012, 47, 610-642.	0.8	60

#	ARTICLE	IF	CITATIONS
19	Algorithms for computing triangular decompositions of polynomial systems. , 2011, , .		12
20	Semi-algebraic Description of the Equilibria of Dynamical Systems. Lecture Notes in Computer Science, 2011, , 101-125.	1.3	11
21	Computing cylindrical algebraic decomposition via triangular decomposition. , 2009, , .		56
22	Comprehensive Triangular Decomposition. Lecture Notes in Computer Science, 2007, , 73-101.	1.3	42