

Gunther Dirr

List of Publications by Year in descending order

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papers

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21
docs citations

21
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	Separable Lyapunov functions for monotone systems: Constructions and limitations. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 2497-2526.	0.9	54
2	GRADIENT FLOWS FOR OPTIMIZATION IN QUANTUM INFORMATION AND QUANTUM DYNAMICS: FOUNDATIONS AND APPLICATIONS. Reviews in Mathematical Physics, 2010, 22, 597-667.	1.7	33
3	The significance of the C -numerical range and the local C -numerical range in quantum control and quantum information. Linear and Multilinear Algebra, 2008, 56, 3-26.	1.0	24
4	Controllability Aspects of Quantum Dynamics: A Unified Approach for Closed and Open Systems. IEEE Transactions on Automatic Control, 2012, 57, 1984-1996.	5.7	22
5	Spin Dynamics: A Paradigm for Time Optimal Control on Compact Lie Groups. Journal of Global Optimization, 2006, 35, 443-474.	1.8	19
6	Illustrating the Geometry of Coherently Controlled Unital Open Quantum Systems. IEEE Transactions on Automatic Control, 2012, 57, 2050-2056.	5.7	17
7	Separable Lyapunov functions for monotone systems. , 2013, , .		17
8	Relative C -numerical ranges for applications in quantum control and quantum information. Linear and Multilinear Algebra, 2008, 56, 27-51.	1.0	15
9	Uniform and L-ensemble reachability of parameter-dependent linear systems. Journal of Differential Equations, 2021, 283, 216-262.	2.2	11
10	The C-Numerical Range in Infinite Dimensions. Linear and Multilinear Algebra, 2020, 68, 652-678.	1.0	9
11	The d-Majorization Polytope. Linear Algebra and Its Applications, 2022, 649, 152-185.	0.9	7
12	Delayed Resource Allocation Optimization with Applications in Population Dynamics**E.I. Verriest gratefully acknowledges the hospitality at the Center of Interdisciplinary Mathematical Research (IFZM) of the Julius-Maximilians-University Würzburg during his Professional Development Leave from Georgia Tech during the Fall of 2015.The second and third author, G. Dirr and U. Helmke, have been supported by the grants HE 1858/13-1 and HE 1858/14-1 from the German Research Foundation (DFG).It is with deep sorrow. IFAC-PapersOnLine, 2016, 49, 1-6.	0.9	6
13	Quantum Systems Theory Viewed from Kossakowski-Lindblad Lie Semigroups “ and <i>Vice Versa</i> . Open Systems and Information Dynamics, 2017, 24, 1740019.	1.2	6
14	Reachability in Infinite-Dimensional Unital Open Quantum Systems with Switchable GKSLindblad Generators. Open Systems and Information Dynamics, 2019, 26, 1950014.	1.2	6
15	An Eneström-Kakeya Theorem for Hermitian Polynomial Matrices. IEEE Transactions on Automatic Control, 2007, 52, 2151-2153.	5.7	5
16	Unitary dilations of discrete-time quantum-dynamical semigroups. Journal of Mathematical Physics, 2019, 60, 122702.	1.1	5
17	Estimates for projections in Banach spaces and existence of direct complements. Studia Mathematica, 2005, 170, 211-216.	0.7	4
18	Reachable Sets from Toy Models to Controlled Markovian Quantum Systems. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	â€˜The C-numerical range in infinite dimensionsâ€™. Linear and Multilinear Algebra, 2020, 68, 867-868.	1.0	0
20	Von Neumann type trace inequalities for Schatten-class operators. Journal of Operator Theory, 2020, 84, 323-338.	0.4	0