

# Gunther Dirr

## List of Publications by Year in descending order

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20  
papers

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citations

1163117

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docs citations

21  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	The d-Majorization Polytope. <i>Linear Algebra and Its Applications</i> , 2022, 649, 152-185.	0.9	7
2	Uniform and L-ensemble reachability of parameter-dependent linear systems. <i>Journal of Differential Equations</i> , 2021, 283, 216-262.	2.2	11
3	The C-Numerical Range in Infinite Dimensions. <i>Linear and Multilinear Algebra</i> , 2020, 68, 652-678.	1.0	9
4	â€˜The C-numerical range in infinite dimensionsâ€™™. <i>Linear and Multilinear Algebra</i> , 2020, 68, 867-868.	1.0	0
5	Von Neumann type trace inequalities for Schatten-class operators. <i>Journal of Operator Theory</i> , 2020, 84, 323-338.	0.4	0
6	Reachable Sets from Toy Models to Controlled Markovian Quantum Systems. , 2019, , .		3
7	Reachability in Infinite-Dimensional Unital Open Quantum Systems with Switchable GKSA€“Lindblad Generators. <i>Open Systems and Information Dynamics</i> , 2019, 26, 1950014.	1.2	6
8	Unitary dilations of discrete-time quantum-dynamical semigroups. <i>Journal of Mathematical Physics</i> , 2019, 60, 122702.	1.1	5
9	Quantum Systems Theory Viewed from Kossakowski-Lindblad Lie Semigroups â€” and Vice Versa. <i>Open Systems and Information Dynamics</i> , 2017, 24, 1740019.	1.2	6
10	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 WÃ¼rzburg 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. <i>IFAC-PapersOnLine</i> , 2016, 49, 1-6.	0.9	6
11	Separable Lyapunov functions for monotone systems: Constructions and limitations. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 2497-2526.	0.9	54
12	Separable Lyapunov functions for monotone systems. , 2013, , .		17
13	Illustrating the Geometry of Coherently Controlled Unital Open Quantum Systems. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2050-2056.	5.7	17
14	Controllability Aspects of Quantum Dynamics:&#x2014;A Unified Approach for Closed and Open Systems. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 1984-1996.	5.7	22
15	GRADIENT FLOWS FOR OPTIMIZATION IN QUANTUM INFORMATION AND QUANTUM DYNAMICS: FOUNDATIONS AND APPLICATIONS. <i>Reviews in Mathematical Physics</i> , 2010, 22, 597-667.	1.7	33
16	Relative C-numerical ranges for applications in quantum control and quantum information. <i>Linear and Multilinear Algebra</i> , 2008, 56, 27-51.	1.0	15
17	The significance of the C-numerical range and the local C-numerical range in quantum control and quantum information. <i>Linear and Multilinear Algebra</i> , 2008, 56, 3-26.	1.0	24
18	An EnestrÅ–m-Kakeya Theorem for Hermitian Polynomial Matrices. <i>IEEE Transactions on Automatic Control</i> , 2007, 52, 2151-2153.	5.7	5

#	ARTICLE	IF	CITATIONS
19	Spin Dynamics: A Paradigm for Time Optimal Control on Compact Lie Groups. <i>Journal of Global Optimization</i> , 2006, 35, 443-474.	1.8	19
20	Estimates for projections in Banach spaces and existence of direct complements. <i>Studia Mathematica</i> , 2005, 170, 211-216.	0.7	4