## Zbigniew PuchaÅ,a

## List of Publications by Year

 in descending orderSource: https:|/exaly.com/author-pdf/4664387/publications.pdf
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# 1 Algebraic and geometric structures inside the Birkhoff polytope. Journal of Mathematical Physics, 2022, 63, . 

1.1

1

Encoding Classical Information Into Quantum Resources. IEEE Transactions on Information Theory,
$2022,68,4518-4530$.
Encoding Classical Information Into Quantum Resources. IEEE Transactions on Information Theory,
$2022,68,4518-4530$.
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3 On the optimal certification of von Neumann measurements. Scientific Reports, 2021, 11, 3623.

4 Generating random quantum channels. Journal of Mathematical Physics, 2021, 62, .
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5 Log-convex set of Lindblad semigroups acting on N-level system. Journal of Mathematical Physics, 2021,
62, 072105.
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Relating Entropies of Quantum Channels. Entropy, 2021, 23, 1028.
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$7 \quad$ Excluding false negative error in certification of quantum channels. Scientific Reports, 2021, 11, 21716.
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8 Discrimination of POVMs with rank-one effects. Quantum Information Processing, 2020, 19, 1.
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9 Simulating all quantum measurements using only projective measurements and postselection. Physica
Review A, 2019, 100, .

Distinguishing classically indistinguishable states and channels. Journal of Physics A: Mathematical
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11 Pauli semigroups and unistochastic quantum channels. Physics Letters, Section A: General, Atomic andInformation Processing, 2018, 17, 1.
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Unified approach to geometric and positive-map-based nonlinear entanglement identifiers. Physical
13 Unified approach to ges $\begin{aligned} & \text { Review A, 2018, 97, . }\end{aligned}$
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14 Coherifying quantum channels. New Journal of Physics, 2018, 20, 043028.
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> Majorization uncertainty relations for mixed quantum states. Journal of Physics A: Mathematical and
> Theoretical, 2018, 51, 175306.
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Strategies for optimal single-shot discrimination of quantum measurements. Physical Review A, 2018,
98, .

19 Conditional entropic uncertainty relations for Tsallis entropies. Quantum Information Processing, 2018, 17 , 1.
ANALYSIS OF PATENT ACTIVITY IN THE FIELD OF QUANTUM INFORMATION PROCESSING. International
Journal of Quantum Information, 2013, 11, 1350007.

40 Enhancing Pseudo-Telepathy in the Magic Square Game. PLoS ONE, 2013, 8, e64694.

| 41 | Notes on the Riccati operator equation in open quantum systems. Journal of Mathematical Physics, 2012, 53, 012106. | 1.1 | 1 |
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| 42 | Collectibility for mixed quantum states. Physical Review A, 2012, 86, | 2.5 | 13 |
| 43 | Qubit flip game on a Heisenberg spin chain. Quantum Information Processing, 2012, 11, 1571-1583. | 2.2 | 15 |
| 44 | Restricted numerical shadow and the geometry of quantum entanglement. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 415309. | 2.1 | 13 |
| 45 | Numerical shadow and geometry of quantum states. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 335301. | 2.1 | 22 |
| 46 | Probability measure generated by the superfidelity. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 405301. | 2.1 | 4 |
| 47 | Stationary states of two-level open quantum systems. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 215306. | 2.1 | 2 |
| 48 | Experimentally feasible measures of distance between quantum operations. Quantum Information Processing, 2011, 10, 1-12. | 2.2 | 22 |
| 49 | Product numerical range in a space with tensor product structure. Linear Algebra and Its Applications, 2011, 434, 327-342. | 0.9 | 21 |
| 50 | Numerical shadows: Measures and densities on the numerical range. Linear Algebra and Its Applications, 2011, 434, 2042-2080. | 0.9 | 9 |
| 51 | Eigengestures for Natural Human Computer Interface. Advances in Intelligent and Soft Computing, 2011, , 49-56. | 0.2 | 3 |
| 52 | Restricted numerical range: A versatile tool in the theory of quantum information. Journal of Mathematical Physics, 2010, 51, . | 1.1 | 29 |
| 53 | Bound on trace distance based on superfidelity. Physical Review A, 2009, 79, . | 2.5 | 21 |
| 54 | The exact asymptotic of the collision time tail distribution for independent Brownian particles with different drifts. Probability Theory and Related Fields, 2008, 142, 595-617. | 1.8 | 8 |

