

Gen Kimura

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

591
citations

11
h-index

24
g-index

28
ext. papers

699
ext. citations

2.4
avg, IF

4.19
L-index

#	Paper	IF	Citations
28	The Bloch vector for N-level systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 314, 339-349	2.3	258
27	The Bloch-Vector Space for N-Level Systems: the Spherical-Coordinate Point of View. <i>Open Systems and Information Dynamics</i> , 2005 , 12, 207-229	0.4	65
26	Kraus representation in the presence of initial correlations. <i>Physical Review A</i> , 2003 , 67,	2.6	36
25	Distinguishability measures and entropies for general probabilistic theories. <i>Reports on Mathematical Physics</i> , 2010 , 66, 175-206	0.8	31
24	Optimal state discrimination in general probabilistic theories. <i>Physical Review A</i> , 2009 , 79,	2.6	26
23	Sufficient and necessary condition for zero quantum entropy rates under any coupling to the environment. <i>Physical Review Letters</i> , 2011 , 106, 050403	7.4	24
22	Solution to the mean king problem with mutually unbiased bases for arbitrary levels. <i>Physical Review A</i> , 2006 , 73,	2.6	21
21	Restriction on relaxation times derived from the Lindblad-type master equations for two-level systems. <i>Physical Review A</i> , 2002 , 66,	2.6	18
20	Introduction to Quantum Information Science. <i>Graduate Texts in Physics</i> , 2015 ,	0.3	12
19	Determining eigenvalues of a density matrix with minimal information in a single experimental setting. <i>Physical Review A</i> , 2014 , 89,	2.6	12
18	Quantum teleportation in vacuum using only Unruh-DeWitt detectors. <i>Physical Review A</i> , 2018 , 97,	2.6	12
17	Bifurcation phenomenon in spin relaxation. <i>Physical Review Letters</i> , 2002 , 89, 140403	7.4	10
16	A Class of Linear Positive Maps in Matrix Algebras II. <i>Open Systems and Information Dynamics</i> , 2004 , 11, 343-358	0.4	9
15	Optimal observables for minimum-error state discrimination in general probabilistic theories. <i>Journal of Mathematical Physics</i> , 2010 , 51, 093505	1.2	8
14	The Bloch Vector for N-Level Systems. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 185-188	1.5	8
13	Entropies in general probabilistic theories and their application to the Holevo bound. <i>Physical Review A</i> , 2016 , 94,	2.6	7
12	How to detect a possible correlation from the information of a subsystem in quantum-mechanical systems. <i>Physical Review A</i> , 2007 , 76,	2.6	7

11	Stochastic limit approximation for rapidly decaying systems. <i>Physical Review A</i> , 2001 , 63,	2.6	5
10	Entanglement extracted from vacuum into accelerated Unruh-DeWitt detectors and energy conservation. <i>Physical Review D</i> , 2019 , 100,	4.9	5
9	Solution to the mean king's problem using quantum error-correcting codes. <i>Physical Review A</i> , 2015 , 91,	2.6	4
8	Quantum limits of measurements induced by multiplicative conservation laws: Extension of the Wigner-Araki-Yanase theorem. <i>Physical Review A</i> , 2008 , 78,	2.6	4
7	Universal Constraints on Relaxation Times for d-Level GKLS Master Equations. <i>Open Systems and Information Dynamics</i> , 2017 , 24, 1740009	0.4	2
6	Relation Between the Dynamics of the Reduced Purity and Correlations. <i>Open Systems and Information Dynamics</i> , 2010 , 17, 233-243	0.4	2
5	Comments on Best Conventional Solutions to the King's Problem. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2007 , 62, 152-156	1.4	2
4	Universal Constraint for Relaxation Rates for Quantum Dynamical Semigroup. <i>Physical Review Letters</i> , 2021 , 127, 050401	7.4	2
3	Constraints for the spectra of generators of quantum dynamical semigroups. <i>Linear Algebra and Its Applications</i> , 2021 , 630, 293-305	0.9	1
2	Bounding the Frobenius norm of a q-deformed commutator. <i>Linear Algebra and Its Applications</i> , 2022 , 646, 95-106	0.9	0
1	Foundations of Quantum Mechanics and Quantum Information Theory. <i>Graduate Texts in Physics</i> , 2015 , 75-126	0.3	