Pradeep Kiran Sarvepalli

List of Publications by Year
in descending order

| 41 papers | 1,206 citations | 840776 11 h-index | 642732 23 g-index |

| 42 all docs | 42 docs citations | 42 times ranked | 434 citing authors |

#	Article	IF	Citations
1	Theory of Communication Efficient Quantum Secret Sharing. IEEE Transactions on Information Theory, 2022, 68, 3164-3186.	2.4	9
2	Latency Optimal Storage and Scheduling of Replicated Fragments for Memory Constrained Servers. IEEE Transactions on Information Theory, 2022, 68, 4135-4155.	2.4	2
3	Decoding Toric Codes on Three Dimensional Simplical Complexes. IEEE Transactions on Information Theory, 2021, 67, 931-945.	2.4	2
4	Universal Communication Efficient Quantum Threshold Secret Sharing Schemes. , 2021, , .		1
5	Correcting Erasures with Topological Subsystem Color Codes. , 2021, , .		1
6	Low latency replication coded storage over memory -constrained servers. , 2021, , .		1
7	Quantum bicyclic hyperbolic codes. Quantum Information Processing, 2020, 19, 1.	2.2	0
8	Algorithms for Change Detection With Sparse Signals. IEEE Transactions on Signal Processing, 2020, 68, 1331-1345.	5.3	9
9	Decoding the three-dimensional toric codes and welded codes on cubic lattices. Physical Review A, 2019, 100, .	2.5	4
10	Communication efficient quantum secret sharing. Physical Review A, 2019, 100, .	2.5	11
11	Decoding Topological Subsystem Color Codes and Generalized Subsystem Surface Codes. , 2018, , .		2
12	Projecting three-dimensional color codes onto three-dimensional toric codes. Physical Review A, 2018, 98, .	2.5	13
13	Performance of Nonbinary Cubic Codes. , 2018, , .		2
14	Symmetry constraints on temporal order in measurement-based quantum computation. Information and Computation, 2016, 250, 115-138.	0.7	1
15	Equivalence of 2D color codes (without translational symmetry) to surface codes. , 2015, , .		2
16	Quantum codes and symplectic matroids. , 2014, , .		0
17	Relation between surface codes and hypermap-homology quantum codes. Physical Review A, 2014, 89, .	2.5	3
18	Topological subsystem codes from graphs and hypergraphs. Physical Review A, 2012, 86, .	2.5	10

#	Article	IF	Citations
19	Efficient decoding of topological color codes. Physical Review A, 2012, 85, .	2.5	34
20	Nonthreshold quantum secret-sharing schemes in the graph-state formalism. Physical Review A, 2012, 86, .	2.5	33
21	Bounds on the information rate of quantum-secret-sharing schemes. Physical Review A, 2011, 83, .	2.5	4
22	Entropic inequalities for a class of quantum secret-sharing states. Physical Review A, 2011, 83, .	2.5	3
23	Local equivalence, surface-code states, and matroids. Physical Review A, 2010, 82, .	2.5	8
24	Matroids and quantum-secret-sharing schemes. Physical Review A, 2010, 81, .	2.5	27
25	Degenerate quantum codes and the quantum Hamming bound. Physical Review A, 2010, 81, .	2.5	16
26	Topological color codes over higher alphabet. , 2010, , .		4
27	New decoding algorithms for a class of subsystem codes and generalized shor codes. , 2009, , .		1
28	Sharing classical secrets with Calderbank-Shor-Steane codes. Physical Review A, 2009, 80, .	2.5	40
29	Asymmetric quantum codes: constructions, bounds and performance. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 1645-1672.	2.1	93
30	Encoding Subsystem Codes with and without Noisy Gauge Qubits. , 2009, , .		3
31	Clifford Code Constructions of Operator Quantum Error-Correcting Codes. IEEE Transactions on Information Theory, 2008, 54, 5760-5765.	2.4	20
32	Asymmetric quantum LDPC codes. , 2008, , .		32
33	Duadic Group Algebra Codes. , 2007, , .		3
34	Quantum Convolutional BCH Codes. , 2007, , .		21
35	Quantum Convolutional Codes Derived from Generalized Reed-Solomon Codes. , 2007, , .		5
36	On subsystem codes beating the quantum Hamming or Singleton bound. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 2887-2905.	2.1	17

#	Article	IF	Citations
37	On Quantum and Classical BCH Codes. IEEE Transactions on Information Theory, 2007, 53, 1183-1188.	2.4	271
38	Nonbinary Stabilizer Codes Over Finite Fields. IEEE Transactions on Information Theory, 2006, 52, 4892-4914.	2.4	438
39	Remarkable Degenerate Quantum Stabilizer Codes Derived from Duadic Codes. , 2006, , .		11
40	Primitive Quantum BCH Codes over Finite Fields. , 2006, , .		44
41	Nonbinary Quantum Codes from Hermitian Curves. Lecture Notes in Computer Science, 2006, , 136-143.	1.3	5