Alain Deville

List of Publications by Year
in descending order

17 papers	146 citations	1478505 6 h-index	1372567 10 g-index
17 all docs	17 docs citations	17 times ranked	25 citing authors

#	Article	IF	Citations
1	Classical-processing and quantum-processing signal separation methods for qubit uncoupling. Quantum Information Processing, 2012, 11, 1311-1347.	2.2	26
2	Blind Separation of Quantum States: Estimating Two Qubits from an Isotropic Heisenberg Spin Coupling Model. , 2007, , 706-713.		18
3	From Blind Quantum Source Separation to Blind Quantum Process Tomography. Lecture Notes in Computer Science, 2015, , 184-192.	1.3	14
4	Blind qubit state disentanglement with Quantum processing: Principle, criterion and algorithm using measurements along two directions. , 2014, , .		11
5	Blind quantum source separation: Quantum-processing qubit uncoupling systems based on disentanglement. , 2017, 67, 30-51.		11
6	A Quantum-feedforward and classical-feedback separating structure adapted with monodirectional measurements; Blind qubit uncoupling capability and links with ICA. , 2013, , .		10
7	Concepts and Criteria for Blind Quantum Source Separation and Blind Quantum Process Tomography. Entropy, 2017, 19, 311.	2.2	10
8	New Single-Preparation Methods for Unsupervised Quantum Machine Learning Problems. IEEE Transactions on Quantum Engineering, 2021, 2, 1-24.	4.9	10
9	Quantum process tomography with unknown single-preparation input states: Concepts and application to the qubit pair with internal exchange coupling. Physical Review A, 2020, 101, .	2.5	9
10	The Blind Version of Quantum Process Tomography: Operating with Unknown Input Values. IFAC-PapersOnLine, 2017, 50, 11731-11737.	0.9	7
11	Quantum-Source Independent Component Analysis and Related Statistical Blind Qubit Uncoupling Methods. Signals and Communication Technology, 2014, , 3-37.	0.5	7
12	Clarifying the link between von Neumann and thermodynamic entropies. European Physical Journal H, 2013, 38, 57-81.	0.8	5
13	Fast disentanglement-based blind quantum source separation and process tomography using a feedforward quantum-classical adapting structure. , 2016, , .		3
14	N-qubit system in a pure state: a necessary and sufficient condition for unentanglement. Quantum Information Processing, 2019, 18, 1.	2.2	3
15	Two-Qubit Unitary Quantum Process Tomography by Multiple-Delay Output Measurements for One Unknown Input Pure State Value. , 2021, , .		1
16	Statistical intrusion detection and eavesdropping in quantum channels with coupling: multiple-preparation and single-preparation methods. Quantum Information Processing, 2022, 21, 1.	2.2	1
17	New Classes of Blind Quantum Source Separation and Process Tomography Methods Based on Spin Component Measurements Along Two Directions. Lecture Notes in Computer Science, 2018, , 204-214.	1.3	0