

# Korosh Aghayar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/452693/publications.pdf>

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11  
papers

70  
citations

1478505

6  
h-index

1588992

8  
g-index

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all docs

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docs citations

11  
times ranked

69  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles investigation of electronic properties of Al <sub>x</sub> In <sub>1-x</sub> P semiconductor alloy. Journal of Materials Science, 2016, 51, 7343-7354.	3.7	15
2	Detecting some three-qubit MUB diagonal entangled states via nonlinear optimal entanglement witnesses. European Physical Journal D, 2008, 50, 107-121.	1.3	10
3	Investigating a class of 2-qubit bound entangled density matrices via linear and nonlinear entanglement witnesses constructed by exact convex optimization. Physical Review A, 2008, 78, .	2.5	10
4	Electronic properties of GaP <sub>x</sub> As <sub>1-x</sub> ternary alloy: A first-principles study. Journal of Alloys and Compounds, 2016, 675, 86-93.	5.5	9
5	Quantum pattern recognition with multi-neuron interactions. Quantum Information Processing, 2018, 17, 1.	2.2	9
6	General algorithm for manipulating nonlinear and linear entanglement witnesses by using exact convex optimization. Physical Review A, 2009, 80, .	2.5	6
7	Electronic properties of GaIn <sub>1-x</sub> P ternary alloy from first-principles. Computational Materials Science, 2016, 120, 70-76.	3.0	5
8	Nonlinear entanglement witnesses for four qubits in mutually unbiased bases. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 063106.	2.3	3
9	Quantum Adiabatic Evolution for Pattern Recognition Problem. Chinese Physics Letters, 2017, 34, 120302.	3.3	2
10	Energy as an Entanglement Witnesses for One Dimensional XYZ Heisenberg Lattice: Optimization Approach. Journal of Statistical Physics, 2019, 176, 85-93.	1.2	1
11	Comment on "Thermal entangled quantum Otto engine based on the two qubits Heisenberg model with Dzyaloshinskii-Moriya interaction in an external magnetic field". Physica Scripta, 2020, 95, 057001.	2.5	0