

# Malek Bagheri Harouni

## List of Publications by Year in descending order

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21  
papers

218  
citations

1163117

8  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon Statistics of a Hybrid Quantum Dot-Metal Nanoparticle Cluster. <i>Plasmonics</i> , 2017, 12, 1-8.	3.4	38
2	Formation dynamics of an entangled photon pair: A temperature-dependent analysis. <i>Physical Review B</i> , 2010, 81, .	3.2	32
3	Decoherence speed limit in the spin-deformed boson model. <i>Physical Review A</i> , 2015, 91, .	2.5	31
4	Single-quadrature quantum magnetometry in cavity electromagnonics. <i>Physical Review A</i> , 2021, 103, .	2.5	22
5	Influence of electron-phonon interaction on the optical spectrum and quantum statistics in a quantum-dot-cavity system: Master-equation approach. <i>Physical Review A</i> , 2012, 86, .	2.5	17
6	Influence of phonons on exciton-photon interaction and photon statistics of a quantum dot. <i>Physical Review B</i> , 2009, 79, .	3.2	14
7	Decoherence of quantum Brownian motion in noncommutative space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 952-956.	2.1	10
8	Photon antibunching control in a quantum dot and metallic nanoparticle hybrid system with non-Markovian dynamics. <i>Scientific Reports</i> , 2018, 8, 12435.	3.3	9
9	A single trapped ion in a finite range trap. <i>Annals of Physics</i> , 2011, 326, 968-978.	2.8	6
10	Decoherence of spin-deformed bosonic model. <i>Annals of Physics</i> , 2013, 334, 321-333.	2.8	6
11	Quantum decoherence of Dirac fields in non-inertial frames beyond the single-mode approximation. <i>Quantum Information Processing</i> , 2014, 13, 527-545.	2.2	6
12	Energy transfer and quantum correlation dynamics in FMO light-harvesting complex. <i>Molecular Physics</i> , 2016, 114, 2123-2131.	1.7	6
13	Quantum speed limit in the thermal spin-boson system with and without tunneling term. <i>Quantum Information Processing</i> , 2020, 19, 1.	2.2	5
14	Highly entangled photon pairs generated from the biexciton cascade transition in a quantum-dot-metal-nanoparticle hybrid system. <i>Physical Review A</i> , 2017, 96, .	2.5	4
15	Robust entanglement of an asymmetric quantum dot molecular system in a Josephson junction. <i>Heliyon</i> , 2020, 6, e04484.	3.2	4
16	Entanglement sudden death in the presence of quantum decoherence in non-inertial frames: beyond the single-mode approximation. <i>Quantum Information Processing</i> , 2014, 13, 1483-1499.	2.2	3
17	Coherent states for the Kepler-Coulomb problem on a sphere. <i>Annals of Physics</i> , 2015, 355, 21-34.	2.8	2
18	GENERALIZED COHERENT STATES APPROACH TO DEFORMATION QUANTIZATION. <i>International Journal of Modern Physics A</i> , 2012, 27, 1250095.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Entanglement between distant atoms mediated by a hybrid quantum system consisting of superconducting flux qubit and resonators. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 145502.	1.5	1
20	Generation of entanglement between quantum dot molecule with the presence of phonon effects in a voltage-controlled junction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 409, 127525.	2.1	1
21	Influence of spherical anisotropy on optical mass sensing in plasmonic-molecular optomechanics. Physical Review A, 2022, 105, .	2.5	0