

# Vladimir M Stojanovic

## List of Publications by Year in Descending Order

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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.

26  
papers

536  
citations

15  
h-index

23  
g-index

28  
ext. papers

626  
ext. citations

3.6  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
26	Scalable W-type entanglement resource in neutral-atom arrays with Rydberg-dressed resonant dipole-dipole interaction. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	3
25	Conversion from W to Greenberger-Horne-Zeilinger states in the Rydberg-blockade regime of neutral-atom systems: Dynamical-symmetry-based approach. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
24	Bare-Excitation Ground State of a Spinless-Fermion-Boson Model and W-State Engineering in an Array of Superconducting Qubits and Resonators. <i>Physical Review Letters</i> , <b>2020</b> , 124, 190504	7.4	4
23	Entanglement-spectrum characterization of ground-state nonanalyticities in coupled excitation-phonon models. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
22	Feasibility of single-shot realizations of conditional three-qubit gates in exchange-coupled qubit arrays with local control. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	5
21	Quantum dynamics of the small-polaron formation in a superconducting analog simulator. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
20	Nanofriction in Cavity Quantum Electrodynamics. <i>Physical Review Letters</i> , <b>2015</b> , 115, 233602	7.4	18
19	Transmon-based simulator of nonlocal electron-phonon coupling: A platform for observing sharp small-polaron transitions. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	23
18	Neutral edge modes in a superconductor-topological-insulator hybrid structure in a perpendicular magnetic field. <i>Europhysics Letters</i> , <b>2014</b> , 108, 17009	1.6	1
17	Strategy for implementing stabilizer-based codes on solid-state qubits. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	8
16	Analog superconducting quantum simulator for Holstein polarons. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	41
15	Superfluid drag of two-species Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	12
14	Preserving universal resources for one-way quantum computing. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	4
13	Electron-phonon coupling in crystalline organic semiconductors: microscopic evidence for nonpolaronic charge carriers. <i>Physical Review Letters</i> , <b>2012</b> , 109, 126407	7.4	29
12	Quantum-control approach to realizing a Toffoli gate in circuit QED. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	44
11	Quantum simulation of small-polaron formation with trapped ions. <i>Physical Review Letters</i> , <b>2012</b> , 109, 250501	7.4	35
10	Controlling qubit arrays with anisotropic XXZ Heisenberg interaction by acting on a single qubit. <i>European Physical Journal D</i> , <b>2011</b> , 63, 41-46	1.3	20

9	Local quantum control of Heisenberg spin chains. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	40
8	Electron-phonon coupling in graphene antidot lattices: An indication of polaronic behavior. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	17
7	Polaronic signatures and spectral properties of graphene antidot lattices. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	24
6	Character of electronic states in graphene antidot lattices: Flat bands and spatial localization. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	81
5	Quantum-entanglement aspects of polaron systems. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	22
4	Incommensurate superfluidity of bosons in a double-well optical lattice. <i>Physical Review Letters</i> , <b>2008</b> , 101, 125301	7.4	47
3	Unconventional interaction between vortices in a polarized Fermi gas. <i>Annals of Physics</i> , <b>2008</b> , 323, 989-1023	10.3	7
2	Nonlocal electron-phonon coupling: Consequences for the nature of polaron states. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	24
1	A note on temperature-dependent band narrowing in oligo-acene crystals. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 2023-2032	1.8	16