

Nikodem Szpak

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

293
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Current splitting and valley polarization in elastically deformed graphene. 2D Materials, 2019, 6, 015024.	4.4	79
2	Current flow paths in deformed graphene: from quantum transport to classical trajectories in curved space. New Journal of Physics, 2016, 18, 053016.	2.9	69
3	Pulse shape dependence in the dynamically assisted Sauter-Schwinger effect. Physical Review D, 2015, 92, .	4.7	53
4	Optical lattice quantum simulator for quantum electrodynamics in strong external fields: spontaneous pair creation and the Sauter-Schwinger effect. New Journal of Physics, 2012, 14, 035001.	2.9	36
5	Quantum simulator for the Schwinger effect with atoms in bichromatic optical lattices. Physical Review A, 2011, 84, .	2.5	23
6	Relaxation dynamics in a Hubbard dimer coupled to fermionic baths: Phenomenological description and its microscopic foundation. Physical Review B, 2020, 101, .	3.2	18
7	Gradient-index electron optics in graphene junctions. Physical Review B, 2021, 103, .	3.2	8
8	Spontaneous particle creation in time-dependent overcritical fields. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164059.	2.1	3
9	Environment-induced decay dynamics of antiferromagnetic order in Mott-Hubbard systems. Physical Review B, 2022, 105, .	3.2	3