

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 | Environment-induced decay dynamics of antiferromagnetic order in Mott-Hubbard systems. Physical Review B, 2022, 105, . | 3.2 | 3 |
| 2 | Gradient-index electron optics in graphene $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{p} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{p} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ junctions. Physical Review B, 2021, 103, . | 3.2 | 4 |
| 3 | Relaxation dynamics in a Hubbard dimer coupled to fermionic baths: Phenomenological description and its microscopic foundation. Physical Review B, 2020, 101, . | 3.2 | 18 |
| 4 | Current splitting and valley polarization in elastically deformed graphene. 2D Materials, 2019, 6, 015024. | 4.4 | 79 |
| 5 | 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 |
| 6 | Pulse shape dependence in the dynamically assisted Sauter-Schwinger effect. Physical Review D, 2015, 92, . | 4.7 | 53 |
| 7 | 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 |
| 8 | Quantum simulator for the Schwinger effect with atoms in bichromatic optical lattices. Physical Review A, 2011, 84, . | 2.5 | 23 |
| 9 | Spontaneous particle creation in time-dependent overcritical fields. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164059. | 2.1 | 3 |