

CITATION REPORT

List of articles citing

Leggett mode controlled by light pulses

DOI: 10.1038/s41567-018-0385-4
Nature Physics, 2019, 15, 341-346.

Source: <https://exaly.com/paper-pdf/72821490/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
44	Lightwave-driven gapless superconductivity and forbidden quantum beats by terahertz symmetry breaking. <i>Nature Photonics</i> , 2019 , 13, 707-713	33.9	40
43	Theory of coherent-oscillations generation in terahertz pump-probe spectroscopy: From phonons to electronic collective modes. <i>Physical Review B</i> , 2019 , 100,	3.3	12
42	Postquench gap dynamics of two-band superconductors. <i>Physical Review B</i> , 2019 , 100,	3.3	1
41	Impact of damping on the superconducting gap dynamics induced by intense terahertz pulses. <i>Physical Review B</i> , 2019 , 100,	3.3	3
40	Nonlinear optical response of collective modes in multiband superconductors assisted by nonmagnetic impurities. <i>Physical Review B</i> , 2019 , 99,	3.3	15
39	Nonlinear electromagnetic response and Higgs-mode excitation in BCS superconductors with impurities. <i>Physical Review B</i> , 2019 , 99,	3.3	15
38	Leggett collective excitations in a two-band Fermi superfluid at finite temperatures. <i>New Journal of Physics</i> , 2019 , 21, 113043	2.9	4
37	Higgs Mode in Superconductors. <i>Annual Review of Condensed Matter Physics</i> , 2020 , 11, 103-124	19.7	42
36	Growth and anisotropic transport properties of off-axis MgB2 thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 569, 1353587	1.3	1
35	Observation of soft Leggett mode in superconducting CaKFe4As4. <i>Physical Review B</i> , 2020 , 102,	3.3	1
34	Laser pulse driven control of charge and spin order in the two-dimensional Kondo lattice. <i>Physical Review B</i> , 2020 , 102,	3.3	1
33	Lightwave terahertz quantum manipulation of nonequilibrium superconductor phases and their collective modes. <i>Physical Review B</i> , 2020 , 102,	3.3	3
32	Higgs-like modes in two-dimensional spatially indirect exciton condensates. <i>Physical Review B</i> , 2020 , 102,	3.3	0
31	Terahertz Second-Harmonic Generation from Lightwave Acceleration of Symmetry-Breaking Nonlinear Supercurrents. <i>Physical Review Letters</i> , 2020 , 124, 207003	7.4	24
30	Current-assisted Raman activation of the Higgs mode in superconductors. <i>Physical Review B</i> , 2020 , 101,	3.3	4
29	Towards Intense THz Spectroscopy on Water: Characterization of Optical Rectification by GaP, OH1, and DSTMS at OPA Wavelengths. <i>Materials</i> , 2020 , 13,	3.5	13
28	Discovery of the soft electronic modes of the trimeron order in magnetite. <i>Nature Physics</i> , 2020 , 16, 541-545	16.5	13

27	Crossband versus intraband pairing in superconductors: Signatures and consequences of the interplay. <i>Physical Review B</i> , 2020 , 101,	3.3	10
26	Non-equilibrium Phenomena in Superconductors Probed by Femtosecond Time-Domain Spectroscopy. <i>Journal of Low Temperature Physics</i> , 2020 , 201, 676-709	1.3	8
25	Third harmonic generation from collective modes in disordered superconductors. <i>Physical Review B</i> , 2021 , 103,	3.3	3
24	Higgs-like pair amplitude dynamics in superconductor-quantum-dot hybrids. <i>Physical Review B</i> , 2021 , 103,	3.3	1
23	Non-linear Terahertz driving of plasma waves in layered cuprates. <i>Nature Communications</i> , 2021 , 12, 752	17.4	2
22	Light quantum control of persisting Higgs modes in iron-based superconductors. <i>Nature Communications</i> , 2021 , 12, 258	17.4	8
21	Collective modes and terahertz near-field response of superconductors. <i>Physical Review Research</i> , 2020 , 2,	3.9	19
20	Spin and charge currents driven by the Higgs mode in high-field superconductors. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
19	Supercontinuum generation in OHQ-N2S organic crystal driven by intense terahertz fields. <i>Optics Letters</i> , 2019 , 44, 4881-4884	3	4
18	Colloquium: Nonthermal pathways to ultrafast control in quantum materials. <i>Reviews of Modern Physics</i> , 2021 , 93,	40.5	20
17	Time-resolved optical conductivity and Higgs oscillations in two-band dirty superconductors. <i>Physical Review B</i> , 2021 , 104,	3.3	1
16	Band-selective third-harmonic generation in superconducting MgB2 : Possible evidence for the Higgs amplitude mode in the dirty limit. <i>Physical Review B</i> , 2021 , 104,	3.3	0
15	Light-induced emergent phenomena in 2D materials and topological materials. <i>Nature Reviews Physics</i> ,	23.6	15
14	THz non-linear optical response in cuprates: predominance of the BCS response over the Higgs mode. <i>Faraday Discussions</i> ,	3.6	0
13	Leggett Modes Accompanying Crystallographic Phase Transitions. <i>Physical Review X</i> , 2022 , 12,	9.1	1
12	Spectroscopic signatures of time-reversal symmetry breaking superconductivity. <i>Communications Physics</i> , 2022 , 5,	5.4	0
11	Visualization and quantum control of light-accelerated condensates by terahertz multi-dimensional coherent spectroscopy. <i>Communications Physics</i> , 2022 , 5,	5.4	0
10	Transient Higgs oscillations and high-order nonlinear light-Higgs coupling in a terahertz wave driven NbN superconductor. <i>Physical Review B</i> , 2022 , 105,	3.3	0

9	Generalized Fresnel-Floquet equations for driven quantum materials. <i>Physical Review B</i> , 2022 , 105,	33	0
8	Recent Development of Ultrafast Optical Characterizations for Quantum Materials. <i>Advanced Materials</i> , 2110068	24	1
7	Contribution of collective excitations to third harmonic generation in two-band superconductors: The case of MgB ₂ . 2022 , 106,		1
6	Spatio-temporal superconducting dynamics driven by THz fields from topological spintronic terahertz emitters. 2022 , 12,		0
5	Quantum coherence tomography of light-controlled superconductivity.		1
4	High-order nonlinear terahertz probing of the two-band superconductor MgB ₂ : Third- and fifth-order harmonic generation. 2022 , 106,		1
3	Mo-Re alloy: A new benchmark two-band superconductor. 2023 , 49, 103-107		0
2	Efficient Mott insulator-metal transition by an intense terahertz electric field pulse via quantum tunneling. 2023 , 107,		0
1	Quench-drive spectroscopy and high-harmonic generation in BCS superconductors. 2023 , 107,		0