

Nuh Gedik

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,392
citations

147726

31
h-index

155592

55
g-index

61
all docs

61
docs citations

61
times ranked

6063
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetically brightened dark electron-phonon bound states in a van der Waals antiferromagnet. Nature Communications, 2022, 13, 98.	5.8	21
2	Unconventional Hysteretic Transition in a Charge Density Wave. Physical Review Letters, 2022, 128, 036401.	2.9	14
3	Terahertz Field-Induced Reemergence of Quenched Photoluminescence in Quantum Dots. Nano Letters, 2022, , .	4.5	0
4	Evidence for a single-layer van der Waals multiferroic. Nature, 2022, 602, 601-605.	13.7	104
5	Trimeron-phonon coupling in magnetite. Physical Review B, 2021, 103, .	1.1	8
6	Phonoritons as Hybridized Exciton-Photon-Phonon Excitations in a Monolayer h -BN Optical Cavity. Physical Review Letters, 2021, 126, 227401.	2.9	18
7	Unconventional light-induced states visualized by ultrafast electron diffraction and microscopy. MRS Bulletin, 2021, 46, 720-730.	1.7	12
8	Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. Nature Communications, 2021, 12, 4837.	5.8	39
9	A versatile sample fabrication method for ultrafast electron diffraction. Ultramicroscopy, 2021, 230, 113389.	0.8	10
10	Role of Equilibrium Fluctuations in Light-Induced Order. Physical Review Letters, 2021, 127, 227401.	2.9	16
11	Light-induced charge density wave in LaTe3. Nature Physics, 2020, 16, 159-163.	6.5	157
12	Unconventional ferroelectricity in moiré heterostructures. Nature, 2020, 588, 71-76.	13.7	165
13	Self-similar dynamics of order parameter fluctuations in pump-probe experiments. Physical Review B, 2020, 101, .	1.1	27
14	Room Temperature Terahertz Electroabsorption Modulation by Excitons in Monolayer Transition Metal Dichalcogenides. Nano Letters, 2020, 20, 5214-5220.	4.5	14
15	Second harmonic generation as a probe of broken mirror symmetry. Physical Review B, 2020, 101, .	1.1	14
16	Discovery of the soft electronic modes of the trimeron order in magnetite. Nature Physics, 2020, 16, 541-545.	6.5	26
17	Spontaneous gyrotropic electronic order in a transition-metal dichalcogenide. Nature, 2020, 578, 545-549.	13.7	80
18	Amplitude dynamics of the charge density wave in LaTe3 : Theoretical description of pump-probe experiments. Physical Review B, 2020, 101, .	1.1	19

#	ARTICLE	IF	CITATIONS
19	High resolution time- and angle-resolved photoemission spectroscopy with 11 eV laser pulses. Review of Scientific Instruments, 2020, 91, 043102.	0.6	32
20	10.1063/1.5139556.1., 2020, , .		0
21	Time-resolved ARPES with tunable 24 eV laser pulses at 30 meV resolution. Nature Communications, 2019, 10, 3535.	5.8	69
22	Magnetic field-dependent low-energy magnon dynamics in RuCl_2 . Physical Review B, 2019, 100, .		
23	Dynamical Slowing-Down in an Ultrafast Photoinduced Phase Transition. Physical Review Letters, 2019, 123, 097601.	2.9	50
24	Asymmetric hot-carrier thermalization and broadband photoresponse in graphene-2D semiconductor lateral heterojunctions. Science Advances, 2019, 5, eaav1493.	4.7	43
25	Topology on a new facet of bismuth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13255-13259.	3.3	61
26	Giant intrinsic photoresponse in pristine graphene. Nature Nanotechnology, 2019, 14, 145-150.	15.6	61
27	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	13.7	372
28	Evidence for topological defects in a photoinduced phase transition. Nature Physics, 2019, 15, 27-31.	6.5	128
29	Lighting up superconducting stripes. Science, 2018, 359, 519-519.	6.0	1
30	Observation of Exciton-Exciton Interaction Mediated Valley Depolarization in Monolayer MoSe_2 . Nano Letters, 2018, 18, 223-228.	4.5	39
31	Topological crystalline insulator states in the CaMn_2P_2 family. Physical Review B, 2018, 98, .		
32	Ultrafast manipulation of mirror domain walls in a charge density wave. Science Advances, 2018, 4, eaau5501.	4.7	70
33	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe_2 . Nature Physics, 2018, 14, 900-906.	6.5	249
34	Charge transfer in $\text{EuS/Bi}_2\text{Te}_3$ heterostructures as indicated by the absence of Raman scattering. Physical Review B, 2018, 98, .		
35	Valleytronics: Opportunities, Challenges, and Paths Forward. Small, 2018, 14, e1801483.	5.2	221
36	Large, valley-exclusive Bloch-Siegert shift in monolayer WS_2 . Science, 2017, 355, 1066-1069.	6.0	102

#	ARTICLE	IF	CITATIONS
55	Nonequilibrium quasiparticle relaxation dynamics in single crystals of hole- and electron-doped BaFe ₂ As ₂ Band-dependent Quasiparticle Dynamics in Single Crystals of the Nonequilibrium Phase Transitions in Cuprates Observed by Ultrafast Electron Crystallography.	1.1	29
56	Nonequilibrium Phase Transitions in Cuprates Observed by Ultrafast Electron Crystallography. Science, 2007, 316, 425-429.	6.0	210
57	Absolute phase measurement in heterodyne detection of transient gratings. Optics Letters, 2004, 29, 2109.	1.7	32