

Nuh Gedik

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,392
citations

147801

31
h-index

155660

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.	12.8	21
2	Unconventional Hysteretic Transition in a Charge Density Wave. Physical Review Letters, 2022, 128, 036401.	7.8	14
3	Terahertz Field-Induced Reemergence of Quenched Photoluminescence in Quantum Dots. Nano Letters, 2022, , .	9.1	0
4	Evidence for a single-layer van der Waals multiferroic. Nature, 2022, 602, 601-605.	27.8	104
5	Trimeron-phonon coupling in magnetite. Physical Review B, 2021, 103, .	3.2	8
6	Phonoritons as Hybridized Exciton-Photon-Phonon Excitations in a Monolayer h -BN Optical Cavity. Physical Review Letters, 2021, 126, 227401.	7.8	18
7	Unconventional light-induced states visualized by ultrafast electron diffraction and microscopy. MRS Bulletin, 2021, 46, 720-730.	3.5	12
8	Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. Nature Communications, 2021, 12, 4837.	12.8	39
9	A versatile sample fabrication method for ultrafast electron diffraction. Ultramicroscopy, 2021, 230, 113389.	1.9	10
10	Role of Equilibrium Fluctuations in Light-Induced Order. Physical Review Letters, 2021, 127, 227401.	7.8	16
11	Light-induced charge density wave in LaTe3. Nature Physics, 2020, 16, 159-163.	16.7	157
12	Unconventional ferroelectricity in moiré heterostructures. Nature, 2020, 588, 71-76.	27.8	165
13	Self-similar dynamics of order parameter fluctuations in pump-probe experiments. Physical Review B, 2020, 101, .	3.2	27
14	Room Temperature Terahertz Electroabsorption Modulation by Excitons in Monolayer Transition Metal Dichalcogenides. Nano Letters, 2020, 20, 5214-5220.	9.1	14
15	Second harmonic generation as a probe of broken mirror symmetry. Physical Review B, 2020, 101, .	3.2	14
16	Discovery of the soft electronic modes of the trimeron order in magnetite. Nature Physics, 2020, 16, 541-545.	16.7	26
17	Spontaneous gyrotropic electronic order in a transition-metal dichalcogenide. Nature, 2020, 578, 545-549.	27.8	80
18	Amplitude dynamics of the charge density wave in LaTe3 : Theoretical description of pump-probe experiments. Physical Review B, 2020, 101, .	3.2	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.	1.3	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.	12.8	69
22	Magnetic field-dependent low-energy magnon dynamics in RuCl_2 . Physical Review B, 2019, 100, .	8.2	16
23	Dynamical Slowing-Down in an Ultrafast Photoinduced Phase Transition. Physical Review Letters, 2019, 123, 097601.	7.8	50
24	Asymmetric hot-carrier thermalization and broadband photoresponse in graphene-2D semiconductor lateral heterojunctions. Science Advances, 2019, 5, eaav1493.	10.3	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.	7.1	61
26	Giant intrinsic photoresponse in pristine graphene. Nature Nanotechnology, 2019, 14, 145-150.	31.5	61
27	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	27.8	372
28	Evidence for topological defects in a photoinduced phase transition. Nature Physics, 2019, 15, 27-31.	16.7	128
29	Lighting up superconducting stripes. Science, 2018, 359, 519-519.	12.6	1
30	Observation of Exciton-Exciton Interaction Mediated Valley Depolarization in Monolayer MoSe_2 . Nano Letters, 2018, 18, 223-228.	9.1	39
31	Topological crystalline insulator states in the CaMn_2P_2 family. Physical Review B, 2018, 98, .	12.8	28
32	Ultrafast manipulation of mirror domain walls in a charge density wave. Science Advances, 2018, 4, eaau5501.	10.3	70
33	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe_2 . Nature Physics, 2018, 14, 900-906.	16.7	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, .	8.2	12
35	Valleytronics: Opportunities, Challenges, and Paths Forward. Small, 2018, 14, e1801483.	10.0	221
36	Large, valley-exclusive Bloch-Siegert shift in monolayer WS_2 . Science, 2017, 355, 1066-1069.	12.6	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 Revealed by Pump-Probe Spectroscopy. Physical Review Letters, 2010, 105, 027005.	3.2	29
56	Nonequilibrium Phase Transitions in Cuprates Observed by Ultrafast Electron Crystallography. Science, 2007, 316, 425-429.	12.6	210
57	Absolute phase measurement in heterodyne detection of transient gratings. Optics Letters, 2004, 29, 2109.	3.3	32