

Ece Uykur

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optical detection of the density-wave instability in the kagome metal KV ₃ Sb ₅ . Npj Quantum Materials, 2022, 7, .	1.8	57
2	Role of Sb in the superconducting kagome metal CsV ₃ Sb ₅ revealed by its anisotropic compression. SciPost Physics, 2022, 12, .	1.5	29
3	Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice. Physical Chemistry Chemical Physics, 2022, 24, 6890-6904.	1.3	8
4	Distinction of charge transfer and Frenkel excitons in pentacene traced via infrared spectroscopy. Journal of Materials Chemistry C, 2022, 10, 5582-5589.	2.7	3
5	Ba ₆ In ₂ Ge ₂ Te ₁₅ : a THz birefringent material with an intriguing quasi-[Te ₅] ⁴⁺ chain possessing large optical anisotropy and an ultrawide transmission range. Inorganic Chemistry Frontiers, 2022, 9, 3421-3427.	3.0	4
6	Effect of hydrostatic pressure on the quantum paraelectric state of dipolar coupled water molecular network. Physical Review Research, 2022, 4, .	1.3	6
7	Optical study of RbV_3Sb_5 : Multiple density-wave gaps and phonon anomalies. Physical Review B, 2022, 105, .	1.3	15
8	Optical Response of Chiral Multifold Semimetal PdGa. Crystals, 2021, 11, 80.	1.0	4
9	Phase coexistence at the first-order Mott transition revealed by pressure-dependent dielectric spectroscopy of $\text{Rb}_2\text{V}_3\text{Sb}_5$		

#	ARTICLE	IF	CITATIONS
19	Three-dimensional hopping conduction triggered by magnetic ordering in the quasi-one-dimensional iron-ladder compounds BaFe ₂ S ₃ and BaFe ₂ Se ₃ . Physical Review B, 2020, 102, .	1.1	0
20	Dielectric ordering of water molecules arranged in a dipolar lattice. Nature Communications, 2020, 11, 3927.	5.8	33
21	Photomolecular High-Temperature Superconductivity. Physical Review X, 2020, 10, .	2.8	59
22	Spin-Reorientation-Induced Band Gap in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \text{193} \langle \text{mml:mn} \rangle \langle \text{mml:mn} \text{17} \rangle \rangle \rangle \rangle \rangle$: Optical Signatures of Weyl Nodes. Physical Review Letters, 2020, 125, 076403.	2.9	17
23	Trapped Exciton and Large Birefringence in Cl ₂ â€“NDI Revealed by Optical Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 17829-17835.	1.5	2
24	Optical signatures of phase transitions and structural modulation in elemental tellurium under pressure. Physical Review B, 2020, 101, .	1.1	3
25	Two Linear Regimes in Optical Conductivity of a Type-I Weyl Semimetal: The Case of Elemental Tellurium. Physical Review Letters, 2020, 124, 136402.	2.9	17
26	Molecular Construction from AgGaS ₂ to CuZnPS ₄ : Defect-Induced Second Harmonic Generation Enhancement and Cosubstitution-Driven Band Gap Enlargement. Chemistry of Materials, 2020, 32, 3288-3296.	3.2	63
27	Revealing excess protons in the infrared spectrum of liquid water. Scientific Reports, 2020, 10, 11320.	1.6	16
28	Anomalously High Proton Conduction of Interfacial Water. Journal of Physical Chemistry Letters, 2020, 11, 3623-3628.	2.1	21
29	Optical conductivity of multifold fermions: The case of RhSi. Physical Review Research, 2020, 2, .	1.3	21
30	Broad-Band Spectroscopy of Nanoconfined Water Molecules. IFMBE Proceedings, 2020, , 7-11.	0.2	0
31	Quantum Critical Behavior of Nanoconfined Water Molecules. , 2019, , .		0
32	Optical signatures of energy gap in correlated Dirac fermions. Npj Quantum Materials, 2019, 4, .	1.8	16
33	Magneto-optical probe of the fully gapped Dirac band in ZrSiS. Physical Review Research, 2019, 1, .	1.3	9
34	Unique interplay between superconducting and ferromagnetic orders in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{EuRbFe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \text{4} \langle \text{mml:mn} \rangle \langle \text{mml:mn} \text{10} \rangle \rangle \rangle \rangle$. Physical Review B, 2018, 98, .	1.1	10
35	Optical spectroscopy study on pressure-induced phase transitions in the three-dimensional Dirac semimetal $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{Cd} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \text{3} \langle \text{mml:mn} \rangle \langle \text{mml:mn} \text{10} \rangle \rangle \rangle \rangle$. Physical Review B, 2018, 97, .	1.1	10
36	Pressure cell for radio-frequency dielectric measurements at low temperatures. Review of Scientific Instruments, 2018, 89, 054708.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Optical investigation of BaFeAs_2 : Spin-fluctuation-mediated superconductivity under pres. Physical Review B, 2017, 95, .	1.1	1
38	Optical study of BaFeAs_2 under pressure: Coexistence of spin-density-wave gap and superconductivity. Physical Review B, 2015, 92, .	1.1	7
39	High Temperature Cuprate Superconductors. Springer Theses, 2015, , 5-32. Persistence of the Superconducting Condensate Far above the Critical Temperature of	0.0	0
40	$\text{YBa}_2\text{Cu}_x\text{Zn}_{1-x}\text{O}_{7-\delta}$ stretchy="false">(Cu , Zn) mathvaria. Physical Review Letters, 2014, 112, 127003.	1.2	1
41	Precursor Superconductivity and Superconducting Fluctuation Regime Revealed by the C-axis Optical Spectra of $\text{YBa}_2(\text{Cu}_{1-x}\text{Zn}_x)_3\text{O}_y$. Physics Procedia, 2013, 45, 45-48.	0.7	9
42	Coexistence of the Pseudogap and the Superconducting Gap Revealed by the <i>c</i> -Axis Optical Study of $\text{YBa}_2(\text{Cu}_{1-x}\text{Zn}_x)_3\text{O}_{7-\delta}$. Journal of the Physical Society of Japan, 2013, 82, 033701.	0.7	3
43	Cr- and Mo-Doping Effects on Structural and Orbital Order Phase Transition in Spinel-Type MnV_2O_4 . Journal of the Physical Society of Japan, 2012, 81, SB030.	0.7	0
44	Pseudogap Study Using <i>c</i> -axis Optical Spectra of Underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Journal of the Physical Society of Japan, 2012, 81, SB035.	0.6	2
45	Intrinsic gapless superconductivity in overdoped (Y,Ca) $\text{Ba}_2\text{Cu}_3\text{O}_y$: Study of in-plane optical spectra. Physica C: Superconductivity and Its Applications, 2011, 471, 701-703.	1.1	6
46	In-plane optical spectra of $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$: Overdoping and disorder effects on residual conductivity. Physical Review B, 2011, 84, .	1.8	7
47	Peculiarities of $\hat{\Gamma}^-$ - and $\hat{\Gamma}^\pm$ -relaxations in thermotropic side chain liquid crystalline polymers with and without nematic reentrant phase. Polymer, 2010, 51, 1450-1456.		