

# Ece Uykur

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

713  
citations

516561

16  
h-index

552653

26  
g-index

47  
all docs

47  
docs citations

47  
times ranked

809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Construction from AgGaS <sub>2</sub> to CuZnPS <sub>4</sub> : Defect-Induced Second Harmonic Generation Enhancement and Cosubstitution-Driven Band Gap Enlargement. Chemistry of Materials, 2020, 32, 3288-3296.	3.2	63
2	Photomolecular High-Temperature Superconductivity. Physical Review X, 2020, 10, .	2.8	59
3	Optical detection of the density-wave instability in the kagome metal KV <sub>3</sub> Sb <sub>5</sub> . Npj Quantum Materials, 2022, 7, .	1.8	57
4	Low-energy optical properties of the nonmagnetic kagome metal $CsV_3Sb_5$ . Physical Review B, 2021, 104, .	1.3	42
5	AXHg <sub>3</sub> P <sub>2</sub> S <sub>8</sub> (A = Rb, Cs; X = Cl, Br): New Excellent Infrared Nonlinear Optical Materials with Mixed Anion Chalcogenide Groups of Trigonal Planar [Hg <sub>2</sub> X] <sup>3+</sup> and Tetrahedral [Hg <sub>3</sub> X] <sup>5+</sup> . Advanced Persistent of the Superconducting Condensate Far above the Critical Temperature of $CsV_3Sb_5$ . Physical Review B, 2021, 104, .	3.6	41
6	Highly Distorted HgS <sub>4</sub> Motif Drives Structural Symmetry Degradation and Strengthened Second-Harmonic Generation Response in the Defect Diamond-Like Chalcogenide Hg <sub>3</sub> P <sub>2</sub> S <sub>8</sub> . ACS Applied Materials & Interfaces, 2021, 13, 37331-37338.	2.9	40
7	Dielectric ordering of water molecules arranged in a dipolar lattice. Nature Communications, 2020, 11, 3927.	4.0	34
8	Role of Sb in the superconducting kagome metal CsV <sub>3</sub> Sb <sub>5</sub> revealed by its anisotropic compression. SciPost Physics, 2022, 12, .	5.8	33
9	Spin-Reorientation-Induced Band Gap in $EuRbFe_4P_{12}$ : Optical Signatures of Weyl Nodes. Physical Review Letters, 2020, 125, 076403.	1.5	29
10	Unique interplay between superconducting and ferromagnetic orders in $EuRbFe_4P_{12}$ . Physical Review B, 2018, 98, .	1.3	27
11	Low-temperature dielectric anomaly arising from electronic phase separation at the Mott insulator-metal transition. Npj Quantum Materials, 2021, 6, .	1.8	24
12	Anomalously High Proton Conduction of Interfacial Water. Journal of Physical Chemistry Letters, 2020, 11, 3623-3628.	2.1	21
13	Optical conductivity of multifold fermions: The case of RhSi. Physical Review Research, 2020, 2, .	1.3	21
14	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
15	Optical signatures of energy gap in correlated Dirac fermions. Npj Quantum Materials, 2019, 4, .	1.8	16
16	Revealing excess protons in the infrared spectrum of liquid water. Scientific Reports, 2020, 10, 11320.	1.6	16
17	Optical study of $RbV_3Sb_5$ : Multiple density-wave gaps and phonon anomalies. Physical Review B, 2022, 105, .	1.3	15
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#	ARTICLE	IF	CITATIONS
19	Pressure-Tuned Interactions in Frustrated Magnets: Pathway to Quantum Spin Liquids?. Crystals, 2020, 10, 4.	1.0	12
20	Phase coexistence at the first-order Mott transition revealed by pressure-dependent dielectric spectroscopy of $\text{Cu}_2\text{O}$		

#	ARTICLE	IF	CITATIONS
37	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
38	Intrinsic gapless superconductivity in overdoped (Y,Ca)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> : Study of in-plane optical spectra. Physica C: Superconductivity and Its Applications, 2011, 471, 701-703.	0.6	2
39	Trapped Exciton and Large Birefringence in Cl <sub>2</sub> â€“NDI Revealed by Optical Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 17829-17835.	1.5	2
40	Precursor Superconductivity and Superconducting Fluctuation Regime Revealed by the C-axis Optical Spectra of YBa <sub>2</sub> (Cu <sub>1-x</sub> Zn <sub>x</sub> ) <sub>3</sub> O <sub>y</sub> . Physics Procedia, 2013, 45, 45-48.	1.2	1
41	Optical investigation of $\text{BaFe}_2$ : Spin-fluctuation-mediated superconductivity under pres. Physical Review B, 2017, 95, .	1.1	1
42	Charge localization in strongly correlated $\text{N}(\text{CN})_2$ Physical Review B, 2021, 104, .		
43	Pseudogap Study Using c-axis Optical Spectra of Underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Journal of the Physical Society of Japan, 2012, 81, SB035.	0.7	0
44	Quantum Critical Behavior of Nanoconfined Water Molecules. , 2019, , .		0
45	Three-dimensional hopping conduction triggered by magnetic ordering in the quasi-one-dimensional iron-ladder compounds BaFe <sub>2</sub> S <sub>3</sub> and BaFe <sub>2</sub> Se <sub>3</sub> . Physical Review B, 2020, 102, .	1.1	0
46	High Temperature Cuprate Superconductors. Springer Theses, 2015, , 5-32.	0.0	0
47	Broad-Band Spectroscopy of Nanoconfined Water Molecules. IFMBE Proceedings, 2020, , 7-11.	0.2	0