

Ece Uykur

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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. | 6.7 | 63 |
| 2 | Photomolecular High-Temperature Superconductivity. Physical Review X, 2020, 10, . | 8.9 | 59 |
| 3 | Optical detection of the density-wave instability in the kagome metal KV ₃ Sb ₅ . Npj Quantum Materials, 2022, 7, . | 5.2 | 57 |
| 4 | Low-energy optical properties of the nonmagnetic kagome metal CsV_3Sb_5 . Physical Review B, 2021, 104, . | 6.2 | 42 |
| 5 | AXHg ₃ P ₂ S ₈ (A = Rb, Cs; X = Cl, Br): New Excellent Infrared Nonlinear Optical Materials with Mixed Anion Chalcogenide Groups of Trigonal Planar [Hg ₂ X] ³⁺ and Tetrahedral [Hg ₃ X] ⁵⁺ . Advanced Persistent of the Superconducting Condensate Far above the Critical Temperature of CsV_3Sb_5 . Physical Review B, 2021, 104, . | 7.3 | 41 |
| 6 | Highly Distorted Hg ₃ P ₂ S ₈ Motif-Driven Structural Symmetry Degradation and Strengthened Second-Harmonic Generation Response in the Defect Diamond-Like Chalcogenide Hg ₃ P ₂ S ₈ . ACS Applied Materials & Interfaces, 2021, 13, 37331-37338. | 7.8 | 40 |
| 7 | Highly Distorted Hg ₃ P ₂ S ₈ Motif-Driven Structural Symmetry Degradation and Strengthened Second-Harmonic Generation Response in the Defect Diamond-Like Chalcogenide Hg ₃ P ₂ S ₈ . ACS Applied Materials & Interfaces, 2021, 13, 37331-37338. | 8.0 | 34 |
| 8 | Dielectric ordering of water molecules arranged in a dipolar lattice. Nature Communications, 2020, 11, 3927. | 12.8 | 33 |
| 9 | Role of Sb in the superconducting kagome metal CsV ₃ Sb ₅ revealed by its anisotropic compression. SciPost Physics, 2022, 12, . | 4.9 | 29 |
| 10 | Spin-Reorientation-Induced Band Gap in $Fe_3V_2O_8$: Optical Signatures of Weyl Nodes. Physical Review Letters, 2020, 125, 076403. | 11.3 | 27 |
| 11 | Unique interplay between superconducting and ferromagnetic orders in $EuRbFe_4P_2O_{14}$. Physical Review B, 2018, 98, . | 1.7 | 2 |
| 12 | Low-temperature dielectric anomaly arising from electronic phase separation at the Mott insulator-metal transition. Npj Quantum Materials, 2021, 6, . | 5.2 | 24 |
| 13 | Anomalously High Proton Conduction of Interfacial Water. Journal of Physical Chemistry Letters, 2020, 11, 3623-3628. | 4.6 | 21 |
| 14 | Optical conductivity of multifold fermions: The case of RhSi. Physical Review Research, 2020, 2, . | 3.6 | 21 |
| 15 | Two Linear Regimes in Optical Conductivity of a Type-I Weyl Semimetal: The Case of Elemental Tellurium. Physical Review Letters, 2020, 124, 136402. | 7.8 | 17 |
| 16 | Optical signatures of energy gap in correlated Dirac fermions. Npj Quantum Materials, 2019, 4, . | 5.2 | 16 |
| 17 | Revealing excess protons in the infrared spectrum of liquid water. Scientific Reports, 2020, 10, 11320. | 3.3 | 16 |
| 18 | Optical study of $RbVCl_3$: Multiple density-wave gaps and phonon anomalies. Physical Review B, 2022, 105, . | 6.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Pressure-Tuned Interactions in Frustrated Magnets: Pathway to Quantum Spin Liquids?. Crystals, 2020, 10, 4. | 2.2 | 12 |
| 20 | Phase coexistence at the first-order Mott transition revealed by pressure-dependent dielectric spectroscopy of $\text{CaMn}_2\text{P}_2\text{O}_{14}$ | | |

| # | 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. | 5.5 | 3 |
| 38 | Intrinsic gapless superconductivity in overdoped (Y,Ca)Ba ₂ Cu ₃ O _y : Study of in-plane optical spectra. Physica C: Superconductivity and Its Applications, 2011, 471, 701-703. | 1.2 | 2 |
| 39 | Trapped Exciton and Large Birefringence in Cl ₂ â€“NDI Revealed by Optical Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 17829-17835. | 3.1 | 2 |
| 40 | Precursor Superconductivity and Superconducting Fluctuation Regime Revealed by the C-axis Optical Spectra of YBa ₂ (Cu _{1-x} Zn _x) ₃ O _y . Physics Procedia, 2013, 45, 45-48. | 1.2 | 1 |
| 41 | Optical investigation of BaFe_2 : Spin-fluctuation-mediated superconductivity under pres. Physical Review B, 2017, 95, . | 3.2 | 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 ₂ Cu ₃ O _{7-δ} . Journal of the Physical Society of Japan, 2012, 81, SB035. | 1.6 | 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 ₂ S ₃ and BaFe ₂ Se ₃ . Physical Review B, 2020, 102, . | 3.2 | 0 |
| 46 | High Temperature Cuprate Superconductors. Springer Theses, 2015, , 5-32. | 0.1 | 0 |
| 47 | Broad-Band Spectroscopy of Nanoconfined Water Molecules. IFMBE Proceedings, 2020, , 7-11. | 0.3 | 0 |