

Fei Yen

List of Publications by Year in descending order

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55
papers

1,596
citations

430754

18
h-index

289141

40
g-index

55
all docs

55
docs citations

55
times ranked

2334
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ferroelectricity driven by orbital resonance of protons in CH ₃ NH ₃ Cl and CH ₃ NH ₃ Br. Journal of Materials Chemistry C, 2022, 10, 1334-1338. | 2.7 | 1 |
| 2 | Magnetic properties of NH ₄ Al(SO ₄) ₂ ·12H ₂ O: Evidence of glass behavior based on proton orbitals. Scripta Materialia, 2021, 205, 114184. | 2.6 | 3 |
| 3 | Magnetic Properties of NH ₄ H ₂ PO ₄ and KH ₂ PO ₄ : Emergence of Multiferroic Salts. Journal of Physical Chemistry Letters, 2020, 11, 8297-8301. | 2.1 | 4 |
| 4 | Magnetoelectric Coupling Based on Protons in Ammonium Sulfate. Journal of Physical Chemistry C, 2020, 124, 17255-17261. | 1.5 | 5 |
| 5 | Magnetic Ordering of Ammonium Cations in NH ₄ I, NH ₄ Br, and NH ₄ Cl. Journal of Physical Chemistry C, 2019, 123, 23655-23660. | 1.5 | 7 |
| 6 | Magnetic properties of hexamethylbenzene. Low Temperature Physics, 2019, 45, 297-300. | 0.2 | 1 |
| 7 | A linear induction motor with a coated conductor superconducting secondary. Physica C: Superconductivity and Its Applications, 2018, 550, 82-84. | 0.6 | 6 |
| 8 | Superconductivity in Pristine H_2 at Ultrahigh Pressure. Physical Review Letters, 2018, 120, 037002. | 0.9 | 100 |
| 9 | Magnetically Driven Structural Phase Transition in Hexamethylbenzene. Journal of Physical Chemistry C, 2018, 122, 29628-29632. | 1.5 | 4 |
| 10 | Modulation of Abnormal Poisson's Ratios and Electronic Properties in Mixed-Valence Perovskite Manganite Films. ACS Applied Materials & Interfaces, 2018, 10, 18029-18035. | 4.0 | 13 |
| 11 | Isotope Effect on the Magnetic Properties of Hexamethylbenzene: Evidence of Magnetism Based on Correlated Motion of Deuterons. Journal of Physical Chemistry C, 2018, 122, 16304-16308. | 1.5 | 5 |
| 12 | Molecular Dynamics of Hexamethylbenzene at Low Temperatures: Evidence of Unconventional Magnetism Based on Rotational Motion of Protons. Angewandte Chemie - International Edition, 2017, 56, 13675-13678. | 7.2 | 9 |
| 13 | Molecular Dynamics of Hexamethylbenzene at Low Temperatures: Evidence of Unconventional Magnetism Based on Rotational Motion of Protons. Angewandte Chemie, 2017, 129, 13863-13866. | 1.6 | 1 |
| 14 | Pressure-driven dome-shaped superconductivity and electronic structural evolution in tungsten ditelluride. Nature Communications, 2015, 6, 7805. | 5.8 | 324 |
| 15 | Dielectric Anomaly in Ice near 20 K: Evidence of Macroscopic Quantum Phenomena. Journal of Physical Chemistry Letters, 2015, 6, 2822-2825. | 2.1 | 27 |
| 16 | Backbone N _x H compounds at high pressures. Journal of Chemical Physics, 2015, 142, 214308. | 1.2 | 38 |
| 17 | Proton ordering dynamics of H ₂ O ice. Physical Chemistry Chemical Physics, 2015, 17, 12458-12461. | 1.3 | 23 |
| 18 | Dielectric Anomalies in Crystalline Ice: Indirect Evidence of the Existence of a Liquid-Liquid Critical Point in H ₂ O. Journal of Physical Chemistry C, 2015, 119, 20618-20622. | 1.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Electromagnetic Forces of High-T _c Superconducting Coated Conductor Coils Subjected to Sinusoidal Traveling Magnetic Fields. Journal of Low Temperature Physics, 2014, 174, 87-95. | 0.6 | 3 |
| 20 | Induced Currents in Close-Ended Type-II Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2013, 23, 86-89. | 1.1 | 7 |
| 21 | Growth anisotropy effect of bulk high temperature superconductors on the levitation performance in the applied magnetic field. Physica C: Superconductivity and Its Applications, 2013, 493, 52-54. | 0.6 | 4 |
| 22 | Normal Force Analysis on a High Temperature Superconducting Linear Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200304-5200304. | 1.1 | 8 |
| 23 | Superconducting Excitation System of a Small Scale Linear Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2012, 22, 5201103-5201103. | 1.1 | 6 |
| 24 | Performance of a Small-Scale High Temperature Superconducting Linear Synchronous Motor Prototype. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200104-5200104. | 1.1 | 15 |
| 25 | A Measurement Testing Setup of the Characteristic Properties for High Temperature Superconducting bearing Systems. Physics Procedia, 2012, 36, 1020-1024. | 1.2 | 0 |
| 26 | Anisotropy Effect on Levitation Performance of Bulk High-T _c Superconductors Above a Permanent Magnet Guideway. Physics Procedia, 2012, 36, 1043-1048. | 1.2 | 7 |
| 27 | Hydrostatic Pressure Effects on the Critical Current of YBCO Coated Conductor Wire. IEEE Transactions on Applied Superconductivity, 2012, 22, 8401103-8401103. | 1.1 | 6 |
| 28 | Hydrostatic Pressure Effect on the Critical Current Density of First-Generation Bi-2223 Superconducting Wire. IEEE Transactions on Applied Superconductivity, 2011, 21, 3488-3490. | 1.1 | 1 |
| 29 | Levitation Force Transition of High-T _c Superconducting Bulks Within a Maglev Vehicle System Under Different Dynamic Operation. IEEE Transactions on Applied Superconductivity, 2011, 21, 1547-1550. | 1.1 | 15 |
| 30 | Recent Developments of the High Temperature Superconducting Maglev at ASCLab. IEEE Transactions on Applied Superconductivity, 2011, 21, 1551-1555. | 1.1 | 9 |
| 31 | Influence of Re-magnetized HTS Bulk Samples on the Levitation Performances of a Maglev System. Journal of Superconductivity and Novel Magnetism, 2010, 23, 999-1002. | 0.8 | 2 |
| 32 | A single-sided linear synchronous motor with a high temperature superconducting coil as the excitation system. Superconductor Science and Technology, 2010, 23, 105015. | 1.8 | 28 |
| 33 | Magnetoelastic coupling in magnetically frustrated Co_3Mn_7 Physical Review B, 2010, 81, . | 1.1 | 17 |
| 34 | Experimental Study of the Electromagnetic Forces of a HTS Bulk Magnet Subjected to Sinusoidal Traveling Magnetic Field. IEEE Transactions on Applied Superconductivity, 2010, 20, 929-932. | 1.1 | 12 |
| 35 | Magnetolectric effect and spontaneous polarization in $HoFe_3$ Physical Review B, 2009, 80, . | 1.1 | 83 |
| 36 | Thermal expansion and pressure effect in. Physica B: Condensed Matter, 2008, 403, 1428-1430. | 1.3 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Magnetic phase diagrams of the Kagomé staircase compound. <i>Physica B: Condensed Matter</i> , 2008, 403, 1487-1489. | 1.3 | 19 |
| 38 | Magnetic hysteretic phenomena in multiferroic HoMnO_3 single crystals and polycrystals with nano- and micrometer particle size. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 325241. | 0.7 | 30 |
| 39 | Phonons and magnetoelectric interactions in $\text{Ni}_3\text{V}_2\text{O}_8$. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 434214. | 0.7 | 9 |
| 40 | Magnetic phase diagram of $\text{Ce}(\text{Mn}_{1-x}\text{Cu}_x)_2\text{Si}_2$. <i>Journal of Applied Physics</i> , 2008, 103, 07B719. | 1.1 | 2 |
| 41 | Magnetic phase diagrams of multiferroic hexagonal RMnO_3 (R = Er, Yb, Tm, and Ho). <i>Journal of Materials Research</i> , 2007, 22, 2163-2173. | 1.2 | 81 |
| 42 | Negative effects of crystalline-SiC doping on the critical current density in Ti-sheathed $\text{MgB}_2(\text{SiC})$ superconducting wires. <i>Superconductor Science and Technology</i> , 2007, 20, 697-703. | 1.8 | 7 |
| 43 | Pressure-temperature phase diagram of multiferroic $\text{Ni}_3\text{V}_2\text{O}_8$. <i>Physical Review B</i> , 2007, 75, . | 1.1 | 45 |
| 44 | Multiple-order Raman scattering from rare-earth manganites: Oxygen isotope and rare-earth substitution effects. <i>Physical Review B</i> , 2007, 75, . | 1.1 | 18 |
| 45 | Effects of MgO impurities and micro-cracks on the critical current density of Ti-sheathed MgB_2 wires. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 457, 47-54. | 0.6 | 6 |
| 46 | Magnetic ordering in CeMnCuSi_2 . <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 314, 52-59. | 1.0 | 3 |
| 47 | Evidence for strong spin-lattice coupling in multiferroic RMn_2O_5 (R=Tb,Dy,Ho) via thermal expansion anomalies. <i>Journal of Applied Physics</i> , 2006, 99, 08R103. | 1.1 | 15 |
| 48 | Structural anomalies at the magnetic and ferroelectric transitions in RMn_2O_5 (R=Tb,Dy,Ho). <i>Physical Review B</i> , 2006, 73, . | 1.1 | 89 |
| 49 | Development of Ti-sheathed MgB_2 wires with high critical current density. <i>Superconductor Science and Technology</i> , 2006, 19, 1146-1151. | 1.8 | 17 |
| 50 | Magnetic field effect and dielectric anomalies at the spin reorientation phase transition of $\text{GdFe}_3(\text{BO}_3)_4$. <i>Physical Review B</i> , 2006, 73, . | 1.1 | 64 |
| 51 | Temperature-dependent Raman spectra of HoMn_2O_5 and TbMn_2O_5 . <i>Physical Review B</i> , 2005, 71, . | 1.1 | 60 |
| 52 | Low-temperature dielectric anomalies in HoMnO_3 : The complex phase diagram. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 68 |
| 53 | Field-induced phases in HoMnO_3 at low temperatures. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 98 |
| 54 | Strong spin-lattice coupling in multiferroic HoMnO_3 : Thermal expansion anomalies and pressure effect. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 111 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Magnetization Method Design of Bulk Multi-Seeded High Temperature Superconductors. Materials Science Forum, 0, 745-746, 185-190. | 0.3 | 1 |