

# Tom Fennell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2424940/publications.pdf>

Version: 2024-02-01

70  
papers

3,350  
citations

172457

29  
h-index

138484

58  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2444  
citing authors



| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Candidate quantum spin ice in the pyrochlore $\text{Pr}_2\text{O}_7$ . Physical Review B, 2016, 94, .  | 3.2  | 52        |
| 20 | Crystal-field parameters of the rare-earth pyrochlores $\text{R}_2\text{Ti}_2\text{O}_7$ (R=Tb, Dy, and Ho). Physical Review B, 2016, 94, .  | 3.2  | 50        |
| 21 | Topological-Sector Fluctuations and Curie-Law Crossover in Spin Ice. Physical Review X, 2013, 3, .   | 8.9  | 42        |
| 22 | Coulomb spin liquid in anion-disordered pyrochlore $\text{Tb}_2\text{Hf}_2\text{O}_7$ . Nature Communications, 2017, 8, 892.   | 12.8 | 40        |
| 23 | Magnetodielectric detection of magnetic quadrupole order in $\text{Ba}(\text{TiO})\text{Cu}_4(\text{PO}_4)_4$ with $\text{Cu}_4\text{O}_{12}$ square cupolas. Nature Communications, 2016, 7, 13039. | 12.8 | 37        |
| 24 | Universal fluctuations of the Danube water level: A link with turbulence, criticality and company growth. Europhysics Letters, 2002, 57, 310-314.  | 2.0  | 36        |
| 25 | Magnetic Excitations and Electronic Interactions in $\text{Sr}_2\text{O}$ . Physical Review Letters, 2002, 89, 057202.   | 7.8  | 36        |
| 26 | A Spin-Coexistence of long- and short-range magnetic order in the frustrated magnet $\text{Sr}_2\text{O}$ . Physical Review Letters, 2012, 108, 057202.  | 3.2  | 34        |
| 27 | Field-induced partial order in the spin ice dysprosium titanate. Applied Physics A: Materials Science and Processing, 2002, 74, s889-s891.   | 2.3  | 31        |
| 28 | Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. Advanced Functional Materials, 2018, 28, 1801846.   | 14.9 | 31        |
| 29 | First-principles calculation and experimental investigation of lattice dynamics in the rare-earth pyrochlores $\text{R}_2\text{O}_7$ .   |      |           |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Magnetic properties of $BaMn_2O_7$ a frustrated lattice geometry. Physical Review B, 2010, 81, .   | 12.8 | 20        |
| 38 | Sample independence of magnetoelastic excitations in the rare-earth pyrochlore $Tb_2O_7$ . Physical Review B, 2016, 93, .  | 3.2  | 22        |
| 39 | Special temperatures in frustrated ferromagnets. Nature Communications, 2018, 9, 1999.   | 12.8 | 20        |
| 40 | Spangolite: $1/2$ maple leaf lattice antiferromagnet?. Journal of Physics Condensed Matter, 2011, 23, 164201.  | 1.8  | 16        |
| 41 | Wavevector and energy resolution of the polarized diffuse scattering spectrometer D7. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 857, 24-30. | 1.6  | 16        |
| 42 | Phonon-mediated spin-flipping mechanism in the spin ices $Dy_2O_7$ and $Ho_2O_7$ and $HfO_2$ .   | 3.2  | 15        |
| 43 | Phonon-mediated spin-flipping mechanism in the spin ices $Dy_2O_7$ and $Ho_2O_7$ and $HfO_2$ .   |      |           |

