

# Luke R Fleet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5646564/publications.pdf>

Version: 2024-02-01

34  
papers

478  
citations

759233

12  
h-index

713466

21  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1075  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | High-temperature antiferromagnetism in molecular semiconductor thin films and nanostructures. Nature Communications, 2014, 5, 3079.                        | 12.8 | 76        |
| 2  | Heusler-alloy films for spintronic devices. Applied Physics A: Materials Science and Processing, 2013, 111, 423-430.                                       | 2.3  | 70        |
| 3  | Big data needs a hardware revolution. Nature, 2018, 554, 145-146.  | 27.8 | 47        |
| 4  | Uniaxial anisotropy of two-magnon scattering in an ultrathin epitaxial Fe layer on GaAs. Applied Physics Letters, 2013, 102, 062415.                       | 3.3  | 40        |
| 5  | The quasiparticle zoo. Nature Physics, 2016, 12, 1085-1089.  | 16.7 | 35        |
| 6  | Correlating the interface structure to spin injection in abrupt Fe/GaAs(001) films. Physical Review B, 2013, 87, .   | 3.2  | 23        |
| 7  | Heusler Alloy Films for Spintronic Devices. Springer Series in Materials Science, 2016, , 219-248.   | 0.6  | 15        |
| 8  | Over 50% reduction in the formation energy of Co-based Heusler alloy films by two-dimensional crystallisation. Applied Physics Letters, 2014, 105, .       | 3.3  | 14        |
| 9  | Growth and characterization of thin Cu-phthalocyanine films on MgO(001) layer for organic light-emitting diodes. Nanoscale Research Letters, 2012, 7, 650. | 5.7  | 13        |
| 10 | Self-Assembled Molecular Nanowires for High-Performance Organic Transistors. ACS Applied Materials & Interfaces, 2017, 9, 20686-20695.                     | 8.0  | 13        |
| 11 | Schottky Barrier Height in Fe/GaAs Films. IEEE Transactions on Magnetics, 2010, 46, 1737-1740.   | 2.1  | 12        |
| 12 | Interfacial structure and transport properties of Fe/GaAs(001). Journal of Applied Physics, 2011, 109, 07C504.   | 2.5  | 11        |
| 13 | Layer-by-layer crystallization of Co <sub>2</sub> FeSi Heusler alloy thin films. Journal Physics D: Applied Physics, 2012, 45, 032001.                     | 2.8  | 10        |
| 14 | Effect of grain size on exchange-biased Heusler alloys. Journal Physics D: Applied Physics, 2011, 44, 345003.  | 2.8  | 9         |
| 15 | Effect of Interface Structure on Exchange Biased Heusler Alloy Films. IEEE Transactions on Magnetics, 2012, 48, 2896-2898.                                 | 2.1  | 8         |
| 16 | Activation Volumes in Co <sub>2</sub> FeSi Thin Films. IEEE Transactions on Magnetics, 2011, 47, 2440-2443.  | 2.1  | 6         |
| 17 | Deposition of low sheet resistance indium tin oxide directly onto functional small molecules. Thin Solid Films, 2014, 570, 129-133.                        | 1.8  | 6         |
| 18 | The next wave. Nature Physics, 2015, 11, 437-437.  | 16.7 | 5         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Topology on top. Nature Physics, 2016, 12, 615-615.   | 16.7 | 5         |
| 20 | POLYCRYSTALLINE CO-BASED FULL-HEUSLER-ALLOY FILMS FOR SPINTRONIC DEVICES. Spin, 2014, 04, 1440021.  | 1.3  | 4         |
| 21 | After a Weyl. Nature Physics, 2015, 11, 697-697.  | 16.7 | 4         |
| 22 | Controlling Ferromagnetic Ground States and Solitons in Thin Films and Nanowires Built from Iron Phthalocyanine Chains. Advanced Functional Materials, 2019, 29, 1902550. | 14.9 | 4         |
| 23 | An experiment on the Purcell effect in a wedge cavity. European Journal of Physics, 2009, 30, S81-S88.  | 0.6  | 3         |
| 24 | Atomic Interfacial Structures in Fe/GaAs Films. IEEE Transactions on Magnetics, 2011, 47, 2756-2759.  | 2.1  | 2         |
| 25 | Mux ado about magnons. Nature Physics, 2014, 10, 337-337.   | 16.7 | 1         |
| 26 | Keep the ball rolling. Nature Physics, 2014, 10, 787-787.   | 16.7 | 1         |
| 27 | Fly out of the traps. Nature Methods, 2015, 12, 9-9.  | 19.0 | 1         |
| 28 | 15 years of Nature Physics. Nature Physics, 2020, 16, 999-1005.   | 16.7 | 1         |
| 29 | Magnetic Properties of Epitaxial Co-Evaporated Fe:MgO Anti-Granular Films. IEEE Transactions on Magnetics, 2012, 48, 4010-4013.   | 2.1  | 0         |
| 30 | Improve your virality. Nature Physics, 2014, 10, 415-415.   | 16.7 | 0         |
| 31 | Forge ahead. Nature Physics, 2015, 11, 981-981.   | 16.7 | 0         |
| 32 | Fantastic beasts. Nature Physics, 2016, 12, 1083-1083.  | 16.7 | 0         |
| 33 | Foundation check. Nature Physics, 2016, 12, 289-289.  | 16.7 | 0         |
| 34 | Spin-Polarised Electron Transport across an Abrupt or Partially Intermixed Fe/GaAs(001) Interface. Journal of the Magnetism Society of Japan, 2014, 38, 66-70.            | 0.9  | 0         |