

Murong Lang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

4,297
citations

331259

21
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

4990
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Observation of Quantum Hall effect in an ultra-thin (Bi _{0.53} Sb _{0.47}) ₂ Te ₃ film. Applied Physics Letters, 2017, 110, . | 1.5 | 12 |
| 2 | Competing effect of spin-orbit torque terms on perpendicular magnetization switching in structures with multiple inversion asymmetries. Scientific Reports, 2016, 6, 23956. | 1.6 | 21 |
| 3 | Electric-field control of spin-orbit torque in a magnetically doped topological insulator. Nature Nanotechnology, 2016, 11, 352-359. | 15.6 | 212 |
| 4 | Magneto-optical investigation of spin-orbit torques in metallic and insulating magnetic heterostructures. Nature Communications, 2015, 6, 8958. | 5.8 | 80 |
| 5 | Enhancing Magnetic Ordering in Cr-Doped Bi ₂ Se ₃ Using High- <i>T_C</i> Ferrimagnetic Insulator. Nano Letters, 2015, 15, 764-769. | 4.5 | 80 |
| 6 | Magnetic topological insulators and quantum anomalous hall effect. Solid State Communications, 2015, 215-216, 34-53. | 0.9 | 90 |
| 7 | Spintronics of Topological Insulators. , 2015, , 1-25. | | 0 |
| 8 | Switching of perpendicular magnetization by spin-orbit torques in the absence of external magnetic fields. Nature Nanotechnology, 2014, 9, 548-554. | 15.6 | 753 |
| 9 | Electrical Detection of Spin-Polarized Surface States Conduction in (Bi _{0.53} Sb _{0.47}) ₂ Te ₃ Topological Insulator. Nano Letters, 2014, 14, 5423-5429. | 4.5 | 150 |
| 10 | Scale-Invariant Quantum Anomalous Hall Effect in Magnetic Topological Insulators beyond the Two-Dimensional Limit. Physical Review Letters, 2014, 113, 137201. | 2.9 | 453 |
| 11 | Proximity Induced High-Temperature Magnetic Order in Topological Insulator - Ferrimagnetic Insulator Heterostructure. Nano Letters, 2014, 14, 3459-3465. | 4.5 | 192 |
| 12 | Magnetization switching through giant spin-orbit torque in a magnetically doped topological insulator heterostructure. Nature Materials, 2014, 13, 699-704. | 13.3 | 773 |
| 13 | Manipulating Surface-Related Ferromagnetism in Modulation-Doped Topological Insulators. Nano Letters, 2013, 13, 4587-4593. | 4.5 | 77 |
| 14 | Interplay between Different Magnetisms in Cr-Doped Topological Insulators. ACS Nano, 2013, 7, 9205-9212. | 7.3 | 114 |
| 15 | Separation of top and bottom surface conduction in Bi ₂ Te ₃ thin films. Nanotechnology, 2013, 24, 015705. | 1.3 | 44 |
| 16 | Competing Weak Localization and Weak Antilocalization in Ultrathin Topological Insulators. Nano Letters, 2013, 13, 48-53. | 4.5 | 128 |
| 17 | Direct Imaging of Thermally Driven Domain Wall Motion in Magnetic Insulators. Physical Review Letters, 2013, 110, 177202. | 2.9 | 124 |
| 18 | Mapping the domain wall pinning profile by stochastic imaging reconstruction. Physical Review B, 2013, 87, . | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Evidence of the two surface states of (Bi _{0.53} Sb _{0.47}) ₂ Te ₃ films grown by van der Waals epitaxy. Scientific Reports, 2013, 3, 3406. | 1.6 | 36 |
| 20 | Quantum Capacitance in Topological Insulators. Scientific Reports, 2012, 2, 669. | 1.6 | 25 |
| 21 | Revelation of Topological Surface States in Bi ₂ Se ₃ Thin Films by <i>In Situ</i> Al Passivation. ACS Nano, 2012, 6, 295-302. | 7.3 | 102 |
| 22 | Surface-Dominated Conduction in a 6 nm thick Bi ₂ Se ₃ Thin Film. Nano Letters, 2012, 12, 1486-1490. | 4.5 | 162 |
| 23 | Gate-Controlled Surface Conduction in Na-Doped Bi ₂ Te ₃ Topological Insulator Nanoplates. Nano Letters, 2012, 12, 1170-1175. | 4.5 | 126 |
| 24 | Epitaxial growth of Bi ₂ Se ₃ topological insulator thin films on Si (111). Journal of Applied Physics, 2011, 109, . | 1.1 | 126 |
| 25 | Manipulating surface states in topological insulator nanoribbons. Nature Nanotechnology, 2011, 6, 216-221. | 15.6 | 382 |
| 26 | Visibility and Raman spectroscopy of mono and bilayer graphene on crystalline silicon. Applied Physics Letters, 2010, 96, . | 1.5 | 15 |
| 27 | Tunneling spectroscopy of metal-oxide-graphene structure. Applied Physics Letters, 2010, 97, 032104. | 1.5 | 13 |