Murong Lang

List of Publications by Year
in descending order

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Version: 2024-02-01

27	4,297	331259	552369
papers	citations	21 h-index	26 g-index

28	28	28	4990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetization switching through giant spinâ€“orbit torque in a magnetically doped topological insulator heterostructure. Nature Materials, 2014, 13, 699-704.	13.3	773
2	Switching of perpendicular magnetization by spinâ€“orbit torques in the absence of external magnetic fields. Nature Nanotechnology, 2014, 9, 548-554.	15.6	753
3	Scale-Invariant Quantum Anomalous Hall Effect in Magnetic Topological Insulators beyond the Two-Dimensional Limit. Physical Review Letters, 2014, 113, 137201.	2.9	453
4	Manipulating surface states in topological insulator nanoribbons. Nature Nanotechnology, 2011, 6, 216-221.	15.6	382
5	Electric-field control of spinâ€“orbit torque in a magnetically doped topological insulator. Nature Nanotechnology, 2016, 11, 352-359.	15.6	212
6	Proximity Induced High-Temperature Magnetic Order in Topological Insulator - Ferrimagnetic Insulator Heterostructure. Nano Letters, 2014, 14, 3459-3465.	4.5	192
7	Surface-Dominated Conduction in a 6 nm thick Bi₂Se₃ Thin Film. Nano Letters, 2012, 12, 1486-1490.	4.5	162
8	Electrical Detection of Spin-Polarized Surface States Conduction in (Bi_{0.53}Sb_{0.47})₂Te₃ Topological Insulator. Nano Letters, 2014, 14, 5423-5429.	4.5	150
9	Competing Weak Localization and Weak Antilocalization in Ultrathin Topological Insulators. Nano Letters, 2013, 13, 48-53.	4.5	128
10	Epitaxial growth of Bi2Se3 topological insulator thin films on Si (111). Journal of Applied Physics, 2011, 109, .	1.1	126
11	Gate-Controlled Surface Conduction in Na-Doped Bi₂Te₃ Topological Insulator Nanoplates. Nano Letters, 2012, 12, 1170-1175.	4.5	126
12	Direct Imaging of Thermally Driven Domain Wall Motion in Magnetic Insulators. Physical Review Letters, 2013, 110, 177202.	2.9	124
13	Interplay between Different Magnetisms in Cr-Doped Topological Insulators. ACS Nano, 2013, 7, 9205-9212.	7.3	114
14	Revelation of Topological Surface States in Bi₂Se₃ Thin Films by In Situ Al Passivation. ACS Nano, 2012, 6, 295-302.	7.3	102
15	Magnetic topological insulators and quantum anomalous hall effect. Solid State Communications, 2015, 215-216, 34-53.	0.9	90
16	Magneto-optical investigation of spinâ€“orbit torques in metallic and insulating magnetic heterostructures. Nature Communications, 2015, 6, 8958.	5.8	80
17	Enhancing Magnetic Ordering in Cr-Doped Bi₂Se₃ Using High-T_C Ferrimagnetic Insulator. Nano Letters, 2015, 15, 764-769.	4.5	80
18	Manipulating Surface-Related Ferromagnetism in Modulation-Doped Topological Insulators. Nano Letters, 2013, 13, 4587-4593.	4.5	77

#	Article	IF	Citations
19	Separation of top and bottom surface conduction in Bi2Te3thin films. Nanotechnology, 2013, 24, 015705.	1.3	44
20	Evidence of the two surface states of (Bi0.53Sb0.47)2Te3 films grown by van der Waals epitaxy. Scientific Reports, 2013, 3, 3406.	1.6	36
21	Quantum Capacitance in Topological Insulators. Scientific Reports, 2012, 2, 669.	1.6	25
22	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
23	Visibility and Raman spectroscopy of mono and bilayer graphene on crystalline silicon. Applied Physics Letters, 2010, 96, .	1.5	15
24	Tunneling spectroscopy of metal-oxide-graphene structure. Applied Physics Letters, 2010, 97, 032104.	1.5	13
25	Observation of Quantum Hall effect in an ultra-thin (Bi0.53Sb0.47)2Te3 film. Applied Physics Letters, 2017, 110, .	1.5	12
26	Mapping the domain wall pinning profile by stochastic imaging reconstruction. Physical Review B, 2013, 87, .	1.1	7
27	Spintronics of Topological Insulators. , 2015, , 1-25.		0