

Li-Te Chang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,809
citations

686830

13
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

3811
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetization switching through giant spin-orbit torque in a magnetically doped topological insulator heterostructure. <i>Nature Materials</i> , 2014, 13, 699-704.	13.3	773
2	Switching of perpendicular magnetization by spin-orbit torques in the absence of external magnetic fields. <i>Nature Nanotechnology</i> , 2014, 9, 548-554.	15.6	753
3	Manipulating surface states in topological insulator nanoribbons. <i>Nature Nanotechnology</i> , 2011, 6, 216-221.	15.6	382
4	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016, 11, 352-359.	15.6	212
5	Electrical spin injection and transport in germanium. <i>Physical Review B</i> , 2011, 84, .	1.1	158
6	Electrical Detection of Spin-Polarized Surface States Conduction in $(\text{Bi}_{0.53}\text{Sb}_{0.47})_2\text{Te}_3$ Topological Insulator. <i>Nano Letters</i> , 2014, 14, 5423-5429.	4.5	150
7	Electric-Field Control of Ferromagnetism in Mn-Doped ZnO Nanowires. <i>Nano Letters</i> , 2014, 14, 1823-1829.	4.5	76
8	Current-driven perpendicular magnetization switching in Ta/CoFeB/[TaOx or MgO/TaOx] films with lateral structural asymmetry. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	71
9	Ferromagnetic Germanide in Ge Nanowire Transistors for Spintronics Application. <i>ACS Nano</i> , 2012, 6, 5710-5717.	7.3	63
10	Electrical Spin Injection and Detection in $\text{Mn}_5\text{Ge}_3/\text{Ge}/\text{Mn}_5\text{Ge}_3$ Nanowire Transistors. <i>Nano Letters</i> , 2013, 13, 4036-4043.	4.5	54
11	Enhancing electric-field control of ferromagnetism through nanoscale engineering of high-Tc $\text{Mn}_x\text{Ge}_{1-x}$ nanomesh. <i>Nature Communications</i> , 2016, 7, 12866.	5.8	35
12	Hanle-effect measurements of spin injection from $\text{Mn}_5\text{Ge}_3\text{C}_{0.8}/\text{Al}_2\text{O}_3$ -contacts into degenerately doped Ge channels on Si. <i>Applied Physics Letters</i> , 2014, 105, 222408.	1.5	22
13	Nanoengineering of an Si/MnGe quantum dot superlattice for high Curie-temperature ferromagnetism. <i>Nanoscale</i> , 2017, 9, 3086-3094.	2.8	13
14	Electrical Probing of Magnetic Phase Transition and Domain Wall Motion in Single-Crystalline Mn_5Ge_3 Nanowire. <i>Nano Letters</i> , 2012, 12, 6372-6379.	4.5	12
15	Electrical detection of spin transport in Si two-dimensional electron gas systems. <i>Nanotechnology</i> , 2016, 27, 365701.	1.3	12
16	Mapping the domain wall pinning profile by stochastic imaging reconstruction. <i>Physical Review B</i> , 2013, 87, .	1.1	7
17	Superlattice of $\text{Fe}_x\text{Ge}_{1-x}$ nanodots and nanolayers for spintronics application. <i>Nanotechnology</i> , 2014, 25, 505702.	1.3	6
18	Hybrid Spintronic Materials from Conducting Polymers with Molecular Quantum Bits. <i>Advanced Functional Materials</i> , 2021, 31, 2006882.	7.8	6

#	ARTICLE	IF	CITATIONS
19	Versatile Fabrication of Self-Aligned Nanoscale Hall Devices Using Nanowire Masks. Nano Letters, 2016, 16, 3109-3115.	4.5	4
20	Spin accumulation in n-Ge on Si with sputtered Mn ₅ Ge ₃ C _{0.8} -contacts. , 2014, , .		0