

# 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	Hybrid Spintronic Materials from Conducting Polymers with Molecular Quantum Bits. <i>Advanced Functional Materials</i> , 2021, 31, 2006882.	7.8	6
2	Nanoengineering of an Si/MnGe quantum dot superlattice for high Curie-temperature ferromagnetism. <i>Nanoscale</i> , 2017, 9, 3086-3094.	2.8	13
3	Versatile Fabrication of Self-Aligned Nanoscale Hall Devices Using Nanowire Masks. <i>Nano Letters</i> , 2016, 16, 3109-3115.	4.5	4
4	Electrical detection of spin transport in Si two-dimensional electron gas systems. <i>Nanotechnology</i> , 2016, 27, 365701.	1.3	12
5	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
6	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016, 11, 352-359.	15.6	212
7	Superlattice of $\text{Fe}_x\text{Ge}_{1-x}$ nanodots and nanolayers for spintronics application. <i>Nanotechnology</i> , 2014, 25, 505702.	1.3	6
8	Hanle-effect measurements of spin injection from $\text{Mn}_{0.5}\text{Ge}_{0.3}\text{C}_{0.8}\text{Al}_2\text{O}_3$ -contacts into degenerately doped Ge channels on Si. <i>Applied Physics Letters</i> , 2014, 105, 222408.	1.5	22
9	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
10	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
11	Spin accumulation in n-Ge on Si with sputtered $\text{Mn}_{0.5}\text{Ge}_{0.3}\text{C}_{0.8}$ -contacts. , 2014, , .		0
12	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
13	Electric-Field Control of Ferromagnetism in Mn-Doped ZnO Nanowires. <i>Nano Letters</i> , 2014, 14, 1823-1829.	4.5	76
14	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
15	Electrical Spin Injection and Detection in $\text{Mn}_{0.5}\text{Ge}_{0.3}\text{Ge}/\text{Mn}_{0.5}\text{Ge}_{0.3}$ Nanowire Transistors. <i>Nano Letters</i> , 2013, 13, 4036-4043.	4.5	54
16	Mapping the domain wall pinning profile by stochastic imaging reconstruction. <i>Physical Review B</i> , 2013, 87, .	1.1	7
17	Electrical Probing of Magnetic Phase Transition and Domain Wall Motion in Single-Crystalline $\text{Mn}_{0.5}\text{Ge}_{0.3}$ Nanowire. <i>Nano Letters</i> , 2012, 12, 6372-6379.	4.5	12
18	Ferromagnetic Germanide in Ge Nanowire Transistors for Spintronics Application. <i>ACS Nano</i> , 2012, 6, 5710-5717.	7.3	63

#	ARTICLE	IF	CITATIONS
19	Manipulating surface states in topological insulator nanoribbons. Nature Nanotechnology, 2011, 6, 216-221.	15.6	382
20	Electrical spin injection and transport in germanium. Physical Review B, 2011, 84, .	1.1	158