

Wei-Li Lee

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55
papers

1,893
citations

20
h-index

43
g-index

63
ext. papers

2,133
ext. citations

5.2
avg, IF

4.3
L-index

#	Paper	IF	Citations
55	Scale-invariant quantum anomalous Hall effect in magnetic topological insulators beyond the two-dimensional limit. <i>Physical Review Letters</i> , 2014 , 113, 137201	7.4	348
54	Dissipationless anomalous Hall current in the ferromagnetic spinel CuCr ₂ Se _{4-x} Br _x . <i>Science</i> , 2004 , 303, 1647-9	33.3	182
53	A direct and polymer-free method for transferring graphene grown by chemical vapor deposition to any substrate. <i>ACS Nano</i> , 2014 , 8, 1784-91	16.7	137
52	Anomalous hall heat current and nernst effect in the CuCr ₂ Se _{4-x} Br _x ferromagnet. <i>Physical Review Letters</i> , 2004 , 93, 226601	7.4	112
51	Metal-to-insulator switching in quantum anomalous Hall states. <i>Nature Communications</i> , 2015 , 6, 8474	17.4	100
50	Controlling the size of magnetic nanoparticles using pluronic block copolymer surfactants. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15-8	3.4	70
49	Divergent and Ultrahigh Thermal Conductivity in Millimeter-Long Nanotubes. <i>Physical Review Letters</i> , 2017 , 118, 135901	7.4	67
48	Two dimensional electron gases in polycrystalline MgZnO/ZnO heterostructures grown by rf-sputtering process. <i>Journal of Applied Physics</i> , 2010 , 108, 054503	2.5	64
47	Fabrication of monolayer of polymer/nanospheres hybrid at a water-air interface. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 204-8	9.5	61
46	Enhanced thermoelectric power in dual-gated bilayer graphene. <i>Physical Review Letters</i> , 2011 , 107, 186602	9.2	60
45	Formation of transition metal boride and carbide perovskites related to superconducting MgCNi ₃ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1244-1251	3.3	59
44	3D Dirac semimetal Cd ₃ As ₂ : A review of material properties. <i>Physical Review Materials</i> , 2018 , 2,	3.2	53
43	Nonstoichiometric doping and Bi antisite defect in single crystal Bi ₂ Se ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	52
42	Synthesis, structure and physical properties of Ru ferrites: BaMRu ₅ O ₁₁ (M=Li and Cu) and BaM ₂ Ru ₄ O ₁₁ (M=Mn, Fe and Co). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 563-572	3.3	42
41	Polymorphic Layered MoTe ₂ from Semiconductor, Topological Insulator, to Weyl Semimetal. <i>Chemistry of Materials</i> , 2017 , 29, 699-707	9.6	40
40	Enhanced thermoelectric figure-of-merit ZT for hole-doped Bi ₂ Sr ₂ Co ₂ O _y through Pb substitution. <i>Journal of Applied Physics</i> , 2012 , 111, 103709	2.5	34
39	Large single crystal growth, transport property, and spectroscopic characterizations of three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>Scientific Reports</i> , 2015 , 5, 12966	4.9	27

38	Ferromagnetism below 10K in Mn-doped BiTe. <i>Physical Review B</i> , 2006 , 74,	3-3	27
37	Electrical properties of modulation-doped rf-sputtered polycrystalline MgZnO/ZnO heterostructures. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 455101	3	24
36	Magnetotransport in copper-doped noncentrosymmetric BiTeI. <i>Physical Review B</i> , 2013 , 88,	3-3	22
35	High-performance space-charge-limited transistors with well-ordered nanoporous aluminum base electrode. <i>Applied Physics Letters</i> , 2011 , 99, 093306	3-4	18
34	Reduced saturation magnetization in cobalt antidot thin films prepared by polyethylene oxide-assisted self-assembly of polystyrene nanospheres. <i>Applied Physics Letters</i> , 2010 , 96, 122504	3-4	17
33	Electronic characterization of alkali ruthenium hollandites: KRu4O8, RbRu4O8 and Cs0.8Li0.2Ru4O8. <i>Materials Research Bulletin</i> , 2004 , 39, 1663-1670	5-1	17
32	Unusual imaging properties of superresolution microspheres. <i>Optics Express</i> , 2016 , 24, 16479-86	3-3	17
31	Electronic phase diagram of Li _x CoO ₂ revisited with potentiostatically deintercalated single crystals. <i>Physical Review B</i> , 2012 , 85,	3-3	16
30	Anisotropic superconducting property studies of single crystal PbTaSe. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 095601	1.8	14
29	Oxygen nonstoichiometry and the origin of Na ion ordering in P2-NaxCoO2. <i>Physical Review B</i> , 2010 , 82,	3-3	13
28	Transverse thermoelectric conductivity of bilayer graphene in the quantum Hall regime. <i>Physical Review B</i> , 2010 , 82,	3-3	13
27	Large transverse Hall-like signal in topological Dirac semimetal Cd3As2. <i>Scientific Reports</i> , 2016 , 6, 27484.9	4.9	13
26	Energy scale of Dirac electrons in Cd3As2. <i>Physical Review B</i> , 2018 , 97,	3-3	12
25	Crystal Growth and Magnetic Properties of Topological Nodal-Line Semimetal GdSbTe with Antiferromagnetic Spin Ordering. <i>Inorganic Chemistry</i> , 2019 , 58, 11730-11737	5-1	12
24	Disrupted long-range spin-spiral ordering and electric polarization in the Zn-substituted quantum helimagnet LiCu ₂ Zn _x O ₂ . <i>Physical Review B</i> , 2010 , 81,	3-3	12
23	Synthesis and properties of the Co ₇ Se ₈ S _x and Ni ₇ Se ₈ S _x solid solutions. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1508-1512	3-3	12
22	Nonmagnetic impurity perturbation to the quasi-two-dimensional quantum helimagnet LiCu ₂ O ₂ . <i>Physical Review B</i> , 2010 , 82,	3-3	11
21	Determination of domain wall resistance in a cobalt thin film by thickness modulation. <i>Applied Physics Letters</i> , 2006 , 88, 122503	3-4	11

20	Synthesis and magnetic properties of (Ba,Bi) _{1.54} Rh ₈ O ₁₆ hollandite. <i>Materials Research Bulletin</i> , 2004 , 39, 1671-1677	5.1	11
19	Surface termination dependent quasiparticle scattering interference and magneto-transport study on ZrSiS. <i>New Journal of Physics</i> , 2018 , 20, 103025	2.9	11
18	Magnetic Orderings in Li ₂ Cu(WO ₄) ₂ with Tungstate-Bridged Quasi-1D Spin-1/2 Chains. <i>Inorganic Chemistry</i> , 2015 , 54, 4303-9	5.1	10
17	Anisotropic magnetotransport and extremely large magnetoresistance in NbAs single crystals. <i>Scientific Reports</i> , 2018 , 8, 6414	4.9	10
16	Periodic anti-ring back reflectors for hydrogenated amorphous silicon thin-film solar cells. <i>Optics Express</i> , 2014 , 22 Suppl 4, A1128-36	3.3	9
15	Thermoelectric Power in Bilayer Graphene Device with Ionic Liquid Gating. <i>Scientific Reports</i> , 2016 , 6, 20402	4.9	9
14	Influence of SrTiO ₃ capping layer on the charge transport at the interfaces of SrTiO ₃ /LaAlO ₃ /SrTiO ₃ (100) heterostructure. <i>Physical Review Materials</i> , 2018 , 2,	3.2	8
13	Off-Stoichiometry Driven Carrier Density Variation at the Interface of LaAlO ₃ /SrTiO ₃ . <i>Scientific Reports</i> , 2017 , 7, 1770	4.9	6
12	Field tuning of the electron and hole populations in the ruthenate Bi ₃ Ru ₃ O ₁₁ . <i>Europhysics Letters</i> , 2003 , 63, 860-866	1.6	6
11	Room temperature agglomeration for the growth of BiTeI single crystals with a giant Rashba effect. <i>CrystEngComm</i> , 2014 , 16, 8678-8683	3.3	5
10	Impact of strain-field interference on the coexistence of electron and hole gases in SrTiO ₃ /LaAlO ₃ /SrTiO ₃ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
9	Low-energy electron point projection microscopy/diffraction study of suspended graphene. <i>Applied Surface Science</i> , 2017 , 423, 266-274	6.7	3
8	Superconducting to spin-glass state transformation in Epyrochlore K _x O _s 2O ₆ . <i>Physical Review B</i> , 2011 , 83,	3.3	3
7	Field-induced resistance peak in a superconducting niobium thin film proximity coupled to a surface reconstructed SrTiO ₃ . <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
6	Sodium ion ordering of Na _{0.77} CoO ₂ under competing multivacancy cluster, superlattice, and domain formation. <i>Physical Review B</i> , 2009 , 80,	3.3	2
5	High-sensitivity of initial SrO growth on the residual resistivity in epitaxial thin films of SrRuO ₃ on SrTiO ₃ (001). <i>Scientific Reports</i> , 2021 , 11, 16070	4.9	2
4	Spin-Glass Transition and Giant Paramagnetism in Heavily Hole-Doped Bi ₂ Sr ₂ Co ₂ O _y . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 024709	1.5	1
3	Evidence for enhanced phase fluctuations in nanostructured niobium thin films. <i>Physical Review B</i> , 2017 , 96,	3.3	1

- 2 A propellant-free superconducting solenoid thruster driven by geomagnetic field. *Journal of Advanced Research*, **2021**, 28, 269-275 13 0
- 1 Dielectric properties of the spin-1/2 dimer compounds Ba₃Cr₂O₈ and Sr₃Cr₂O₈. *Materials Chemistry and Physics*, **2014**, 145, 461-464 4-4