

# Wei-Li Lee

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1056418/wei-li-lee-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A propellant-free superconducting solenoid thruster driven by geomagnetic field. <i>Journal of Advanced Research</i> , <b>2021</b> , 28, 269-275	13	0
54	High-sensitivity of initial SrO growth on the residual resistivity in epitaxial thin films of SrRuO <sub>2</sub> on SrTiO <sub>3</sub> (001). <i>Scientific Reports</i> , <b>2021</b> , 11, 16070	4.9	2
53	Field-induced resistance peak in a superconducting niobium thin film proximity coupled to a surface reconstructed SrTiO <sub>3</sub> . <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	3
52	Crystal Growth and Magnetic Properties of Topological Nodal-Line Semimetal GdSbTe with Antiferromagnetic Spin Ordering. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11730-11737	5.1	12
51	Impact of strain-field interference on the coexistence of electron and hole gases in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	4
50	Energy scale of Dirac electrons in Cd <sub>3</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	12
49	Anisotropic magnetotransport and extremely large magnetoresistance in NbAs single crystals. <i>Scientific Reports</i> , <b>2018</b> , 8, 6414	4.9	10
48	Influence of SrTiO <sub>3</sub> capping layer on the charge transport at the interfaces of SrTiO <sub>3</sub> /LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (100) heterostructure. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	8
47	3D Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> : A review of material properties. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	53
46	Surface termination dependent quasiparticle scattering interference and magneto-transport study on ZrSiS. <i>New Journal of Physics</i> , <b>2018</b> , 20, 103025	2.9	11
45	Off-Stoichiometry Driven Carrier Density Variation at the Interface of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Scientific Reports</i> , <b>2017</b> , 7, 1770	4.9	6
44	Divergent and Ultrahigh Thermal Conductivity in Millimeter-Long Nanotubes. <i>Physical Review Letters</i> , <b>2017</b> , 118, 135901	7.4	67
43	Polymorphic Layered MoTe <sub>2</sub> from Semiconductor, Topological Insulator, to Weyl Semimetal. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 699-707	9.6	40
42	Evidence for enhanced phase fluctuations in nanostructured niobium thin films. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	1
41	Low-energy electron point projection microscopy/diffraction study of suspended graphene. <i>Applied Surface Science</i> , <b>2017</b> , 423, 266-274	6.7	3
40	Anisotropic superconducting property studies of single crystal PbTaSe. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 095601	1.8	14
39	Unusual imaging properties of superresolution microspheres. <i>Optics Express</i> , <b>2016</b> , 24, 16479-86	3.3	17

38	Thermoelectric Power in Bilayer Graphene Device with Ionic Liquid Gating. <i>Scientific Reports</i> , <b>2016</b> , 6, 20402	4.9	9
37	Large transverse Hall-like signal in topological Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 27487	4.9	13
36	Magnetic Orderings in Li <sub>2</sub> Cu(WO <sub>4</sub> ) <sub>2</sub> with Tungstate-Bridged Quasi-1D Spin-1/2 Chains. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4303-9	5.1	10
35	Metal-to-insulator switching in quantum anomalous Hall states. <i>Nature Communications</i> , <b>2015</b> , 6, 8474	17.4	100
34	Large single crystal growth, transport property, and spectroscopic characterizations of three-dimensional Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 12966	4.9	27
33	A direct and polymer-free method for transferring graphene grown by chemical vapor deposition to any substrate. <i>ACS Nano</i> , <b>2014</b> , 8, 1784-91	16.7	137
32	Room temperature agglomeration for the growth of BiTeI single crystals with a giant Rashba effect. <i>CrystEngComm</i> , <b>2014</b> , 16, 8678-8683	3.3	5
31	Spin-Glass Transition and Giant Paramagnetism in Heavily Hole-Doped Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 024709	1.5	1
30	Scale-invariant quantum anomalous Hall effect in magnetic topological insulators beyond the two-dimensional limit. <i>Physical Review Letters</i> , <b>2014</b> , 113, 137201	7.4	348
29	Dielectric properties of the spin-1/2 dimer compounds Ba <sub>3</sub> Cr <sub>2</sub> O <sub>8</sub> and Sr <sub>3</sub> Cr <sub>2</sub> O <sub>8</sub> . <i>Materials Chemistry and Physics</i> , <b>2014</b> , 145, 461-464	4.4	
28	Periodic anti-ring back reflectors for hydrogenated amorphous silicon thin-film solar cells. <i>Optics Express</i> , <b>2014</b> , 22 Suppl 4, A1128-36	3.3	9
27	Magnetotransport in copper-doped noncentrosymmetric BiTeI. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	22
26	Electronic phase diagram of Li <sub>x</sub> CoO <sub>2</sub> revisited with potentiostatically deintercalated single crystals. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	16
25	Enhanced thermoelectric figure-of-merit ZT for hole-doped Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> through Pb substitution. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 103709	2.5	34
24	Nonstoichiometric doping and Bi antisite defect in single crystal Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	52
23	Enhanced thermoelectric power in dual-gated bilayer graphene. <i>Physical Review Letters</i> , <b>2011</b> , 107, 18666	9.2	60
22	Electrical properties of modulation-doped rf-sputtered polycrystalline MgZnO/ZnO heterostructures. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 455101	3	24
21	Fabrication of monolayer of polymer/nanospheres hybrid at a water-air interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 204-8	9.5	61

20	Superconducting to spin-glass state transformation in Epyrochlore $KxOs_2O_6$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	3
19	High-performance space-charge-limited transistors with well-ordered nanoporous aluminum base electrode. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 093306	3-4	18
18	Nonmagnetic impurity perturbation to the quasi-two-dimensional quantum helimagnet $LiCu_2O_2$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	11
17	Two dimensional electron gases in polycrystalline $MgZnO/ZnO$ heterostructures grown by rf-sputtering process. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 054503	2-5	64
16	Oxygen nonstoichiometry and the origin of Na ion ordering in $P2-NaxCoO_2$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	13
15	Reduced saturation magnetization in cobalt antidot thin films prepared by polyethylene oxide-assisted self-assembly of polystyrene nanospheres. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 122504	3-4	17
14	Transverse thermoelectric conductivity of bilayer graphene in the quantum Hall regime. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	13
13	Disrupted long-range spin-spiral ordering and electric polarization in the Zn-substituted quantum helimagnet $LiCu_2-xZn_xO_2$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	12
12	Sodium ion ordering of $Na_{0.77}CoO_2$ under competing multivacancy cluster, superlattice, and domain formation. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	2
11	Determination of domain wall resistance in a cobalt thin film by thickness modulation. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 122503	3-4	11
10	Ferromagnetism below 10K in Mn-doped $BiTe$ . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	27
9	Synthesis, structure and physical properties of Ru ferrites: $BaMRu_5O_{11}$ ( $M=Li$ and $Cu$ ) and $BaM_2Ru_4O_{11}$ ( $M=Mn, Fe$ and $Co$ ). <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 563-572	3-3	42
8	Controlling the size of magnetic nanoparticles using pluronic block copolymer surfactants. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 15-8	3-4	70
7	Synthesis and properties of the $Co_7Se_8-xS_x$ and $Ni_7Se_8-xS_x$ solid solutions. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1508-1512	3-3	12
6	Anomalous hall heat current and nernst effect in the $CuCr_2Se_4-xBr_x$ ferromagnet. <i>Physical Review Letters</i> , <b>2004</b> , 93, 226601	7-4	112
5	Synthesis and magnetic properties of $(Ba,Bi)_{1.54}Rh_8O_{16}$ hollandite. <i>Materials Research Bulletin</i> , <b>2004</b> , 39, 1671-1677	5-1	11
4	Electronic characterization of alkali ruthenium hollandites: $KRu_4O_8$ , $RbRu_4O_8$ and $Cs_{0.8}Li_{0.2}Ru_4O_8$ . <i>Materials Research Bulletin</i> , <b>2004</b> , 39, 1663-1670	5-1	17
3	Formation of transition metal boride and carbide perovskites related to superconducting $MgCNi_3$ . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 1244-1251	3-3	59

- 2 Dissipationless anomalous Hall current in the ferromagnetic spinel  $\text{CuCr}_2\text{Se}_4\text{-xBr}_x$ . *Science*, **2004**, 303, 1647-9 33.3 182
- 1 Field tuning of the electron and hole populations in the ruthenate  $\text{Bi}_3\text{Ru}_3\text{O}_{11}$ . *Europhysics Letters*, **2003**, 63, 860-866 1.6 6