

# Gil-Ho Lee

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6041945/gil-ho-lee-publications-by-citations.pdf>

**Version:** 2024-04-18

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.

45  
papers

895  
citations

16  
h-index

29  
g-index

51  
ext. papers

1,216  
ext. citations

10  
avg, IF

4.41  
L-index

#	Paper	IF	Citations
45	Observation of negative refraction of Dirac fermions in graphene. <i>Nature Physics</i> , <b>2015</b> , 11, 925-929	16.2	138
44	Inducing superconducting correlation in quantum Hall edge states. <i>Nature Physics</i> , <b>2017</b> , 13, 693-698	16.2	77
43	Ultimately short ballistic vertical graphene Josephson junctions. <i>Nature Communications</i> , <b>2015</b> , 6, 6181	17.4	73
42	Observation of supercurrent in PbIn-graphene-PbIn Josephson junction. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	69
41	Electrically tunable macroscopic quantum tunneling in a graphene-based Josephson junction. <i>Physical Review Letters</i> , <b>2011</b> , 107, 146605	7.4	56
40	Imaging Cyclotron Orbits of Electrons in Graphene. <i>Nano Letters</i> , <b>2016</b> , 16, 1690-4	11.5	55
39	Complete gate control of supercurrent in graphene p-n junctions. <i>Nature Communications</i> , <b>2013</b> , 4, 2525	17.4	53
38	Graphene-Based Josephson-Junction Single-Photon Detector. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4.3	47
37	Strong Proximity Josephson Coupling in Vertically Stacked NbSe-Graphene-NbSe van der Waals Junctions. <i>Nano Letters</i> , <b>2017</b> , 17, 6125-6130	11.5	34
36	Graphene-based Josephson junction microwave bolometer. <i>Nature</i> , <b>2020</b> , 586, 42-46	50.4	32
35	Proximity coupling in superconductor-graphene heterostructures. <i>Reports on Progress in Physics</i> , <b>2018</b> , 81, 056502	14.4	25
34	Evidence of higher-order topology in multilayer WTe from Josephson coupling through anisotropic hinge states. <i>Nature Materials</i> , <b>2020</b> , 19, 974-979	27	22
33	Molecular beam epitaxial growth and electronic transport properties of high quality topological insulator Bi <sub>2</sub> Se <sub>3</sub> thin films on hexagonal boron nitride. <i>2D Materials</i> , <b>2016</b> , 3, 035029	5.9	22
32	Graphene transistor based on tunable Dirac fermion optics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 6575-6579	11.5	19
31	Local and nonlocal Fraunhofer-like pattern from an edge-stepped topological surface Josephson current distribution. <i>Nano Letters</i> , <b>2014</b> , 14, 5029-34	11.5	19
30	Josephson junction infrared single-photon detector. <i>Science</i> , <b>2021</b> , 372, 409-412	33.3	17
29	Short Ballistic Josephson Coupling in Planar Graphene Junctions with Inhomogeneous Carrier Doping. <i>Physical Review Letters</i> , <b>2018</b> , 120, 077701	7.4	14

28	Imaging electron flow from collimating contacts in graphene. <i>2D Materials</i> , <b>2018</b> , 5, 021003	5.9	11
27	Impact of geometry and non-idealities on electron optics-based graphene p-n junction devices. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 013507	3.4	11
26	Spin-orbit Torque Switching in an All-Van der Waals Heterostructure.. <i>Advanced Materials</i> , <b>2021</b> , e2101730	11.5	10
25	Asymmetric Josephson effect in inversion symmetry breaking topological materials. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	10
24	Dielectric Properties of Strained Nickel Oxide Thin Films. <i>Journal of the Korean Physical Society</i> , <b>2019</b> , 74, 984-988	0.6	9
23	Electrical control of anisotropic and tightly bound excitons in bilayer phosphorene. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	6
22	Analysis of Scanned Probe Images for Magnetic Focusing in Graphene. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 3837-3841	1.9	5
21	Edge-Limited Valley-Preserved Transport in Quasi-1D Constriction of Bilayer Graphene. <i>Nano Letters</i> , <b>2018</b> , 18, 5961-5966	11.5	5
20	Continuous and reversible tuning of the disorder-driven superconductor-insulator transition in bilayer graphene. <i>Scientific Reports</i> , <b>2015</b> , 5, 13466	4.9	5
19	Tuning locality of pair coherence in graphene-based Andreev interferometers. <i>Scientific Reports</i> , <b>2015</b> , 5, 8715	4.9	5
18	Anisotropic Angstrom-Wide Conductive Channels in Black Phosphorus by Top-down Cu Intercalation. <i>Nano Letters</i> , <b>2021</b> , 21, 6336-6342	11.5	5
17	Engineering Crossed Andreev Reflection in Double-Bilayer Graphene. <i>Nano Letters</i> , <b>2019</b> , 19, 9002-9007	11.5	5
16	Deep-ultraviolet electroluminescence and photocurrent generation in graphene/hBN/graphene heterostructures. <i>Nature Communications</i> , <b>2021</b> , 12, 7134	17.4	5
15	Strain-Induced Increase of Dielectric Constant in EuO Thin Film. <i>Materials Research Express</i> , <b>2019</b> , 6, 106321	3.7	4
14	Imaging Andreev Reflection in Graphene. <i>Nano Letters</i> , <b>2020</b> , 20, 4890-4894	11.5	4
13	Pulsed Laser Deposition of Rocksalt Magnetic Binary Oxides. <i>Thin Solid Films</i> , <b>2019</b> , 692, 137606	2.2	4
12	Mapping current profiles of point-contacted graphene devices using single-spin scanning magnetometer. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 033101	3.4	4
11	Planar graphene Josephson coupling via van der Waals superconducting contacts. <i>Current Applied Physics</i> , <b>2019</b> , 19, 251-255	2.6	3

10	Josephson Coupling Realized in Graphite-Based Vertical Junction. <i>Applied Physics Express</i> , <b>2013</b> , 6, 0251024	3.4	3
9	Coexisting multiple dynamic states generated by magnetic field in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + stacked Josephson junctions. <i>Europhysics Letters</i> , <b>2009</b> , 88, 27007	1.6	3
8	Current distribution of collective thermal depinning of Josephson vortices in naturally stacked Josephson junctions. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	2
7	Non-collective Josephson-Vortex Motion Induced by Pancake-Vortex Pinning in Stacked Josephson Junctions. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2010</b> , 23, 1071-1074	1.5	2
6	Stacking-Specific Reversible Oxidation of Bilayer Graphene. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1249-1256	9.6	1
5	Steady Floquet-Andreev states in graphene Josephson junctions.. <i>Nature</i> , <b>2022</b> , 603, 421-426	50.4	0
4	Strain effect on magnetic-exchange-induced phonon splitting in NiO films. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 405607	1.8	
3	Spin-phonon interaction increased by compressive strain in antiferromagnetic MnO thin films. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 175402	1.8	
2	Switching dynamics in a short and a long natural Josephson junction of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S815-S816	1.3	
1	Imaging the flow of holes from a collimating contact in graphene. <i>Semiconductor Science and Technology</i> , <b>2020</b> , 35, 09LT02	1.8	