

# Pengke Li

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

750  
citations

759233

12  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-infrared photoconductivity spectra of single tellurium nanowires. Journal of Applied Physics, 2020, 128, 063105.	2.5	4
2	Excitons without effective mass: Biased bilayer graphene. Physical Review B, 2019, 99, .	3.2	8
3	Origin of the electromagnetic anisotropy in monolayer black phosphorus. Physical Review B, 2019, 100, .	3.2	1
4	Illuminating "spin-polarized" Bloch wave-function projection from degenerate bands in decomposable centrosymmetric lattices. Physical Review B, 2018, 97, .	3.2	9
5	Intrinsic two-dimensional states on the pristine surface of tellurium. Physical Review B, 2018, 97, .	3.2	7
6	Robust zero-energy bound states in a helical lattice. Physical Review B, 2017, 96, .	3.2	5
7	Spin-Polarization Control in a Two-Dimensional Semiconductor. Physical Review Applied, 2016, 5, .	3.8	8
8	Interpreting current-induced spin polarization in topological insulator surface states. Physical Review B, 2016, 93, .	3.2	25
9	Electrons, holes, and spin in the IV-VI monolayer four-six-enes. Physical Review B, 2016, 94, .	3.2	21
10	Symmetry, distorted band structure, and spin-orbit coupling of group-III metal-monochalcogenide monolayers. Physical Review B, 2015, 92, .	3.2	51
11	Self-consistent model of spin accumulation magnetoresistance in ferromagnet/insulator/semiconductor tunnel junctions. Physical Review B, 2014, 90, .	3.2	11
12	Inelastic electron tunneling spectroscopy of local "spin accumulation" devices. Applied Physics Letters, 2014, 104, .	3.3	34
13	Electrons and holes in phosphorene. Physical Review B, 2014, 90, .	3.2	148
14	$\langle i \rangle g \langle /i \rangle$ -factor anisotropy driven spin relaxation in germanium. Proceedings of SPIE, 2014, , .	0.8	0
15	Spin-dependent optical properties in strained silicon and germanium. Physical Review B, 2013, 87, .	3.2	18
16	Anisotropy-Driven Spin Relaxation in Germanium. Physical Review Letters, 2013, 111, 257204.	7.8	44
17	Optical Spin Injection and Spin Lifetime in Ge Heterostructures. Physical Review Letters, 2012, 108, 156603.	7.8	89
18	Intrinsic spin lifetime of conduction electrons in germanium. Physical Review B, 2012, 86, .	3.2	64

#	ARTICLE	IF	CITATIONS
19	Spin-Orbit Symmetries of Conduction Electrons in Silicon. <i>Physical Review Letters</i> , 2011, 107, 107203.	7.8	79
20	Silicon spin communication. <i>Applied Physics Letters</i> , 2011, 99, 082502.	3.3	81
21	Spintronics using Si. , 2011, , .		0
22	Theory of Spin-Dependent Phonon-Assisted Optical Transitions in Silicon. <i>Physical Review Letters</i> , 2010, 105, 037204.	7.8	38
23	Tunable spin junction. <i>Applied Physics Letters</i> , 2009, 94, 192108.	3.3	5