

# 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	Electrons and holes in phosphorene. Physical Review B, 2014, 90, .	3.2	148
2	Optical Spin Injection and Spin Lifetime in Ge Heterostructures. Physical Review Letters, 2012, 108, 156603.	7.8	89
3	Silicon spin communication. Applied Physics Letters, 2011, 99, 082502.	3.3	81
4	Spin-Orbit Symmetries of Conduction Electrons in Silicon. Physical Review Letters, 2011, 107, 107203.	7.8	79
5	Intrinsic spin lifetime of conduction electrons in germanium. Physical Review B, 2012, 86, .	3.2	64
6	Symmetry, distorted band structure, and spin-orbit coupling of group-III metal-monochalcogenide monolayers. Physical Review B, 2015, 92, .	3.2	51
7	Anisotropy-Driven Spin Relaxation in Germanium. Physical Review Letters, 2013, 111, 257204.	7.8	44
8	Theory of Spin-Dependent Phonon-Assisted Optical Transitions in Silicon. Physical Review Letters, 2010, 105, 037204.	7.8	38
9	Inelastic electron tunneling spectroscopy of local spin accumulation devices. Applied Physics Letters, 2014, 104, .	3.3	34
10	Interpreting current-induced spin polarization in topological insulator surface states. Physical Review B, 2016, 93, .	3.2	25
11	Electrons, holes, and spin in the IV-VI monolayer four-six-enes. Physical Review B, 2016, 94, .	3.2	21
12	Spin-dependent optical properties in strained silicon and germanium. Physical Review B, 2013, 87, .	3.2	18
13	Self-consistent model of spin accumulation magnetoresistance in ferromagnet/insulator/semiconductor tunnel junctions. Physical Review B, 2014, 90, .	3.2	11
14	Illuminating "spin-polarized" Bloch wave-function projection from degenerate bands in decomposable centrosymmetric lattices. Physical Review B, 2018, 97, .	3.2	9
15	Spin-Polarization Control in a Two-Dimensional Semiconductor. Physical Review Applied, 2016, 5, .	3.8	8
16	Excitons without effective mass: Biased bilayer graphene. Physical Review B, 2019, 99, .	3.2	8
17	Intrinsic two-dimensional states on the pristine surface of tellurium. Physical Review B, 2018, 97, .	3.2	7
18	Tunable spin junction. Applied Physics Letters, 2009, 94, 192108.	3.3	5

#	ARTICLE	IF	CITATIONS
19	Robust zero-energy bound states in a helical lattice. Physical Review B, 2017, 96, .	3.2	5
20	Mid-infrared photoconductivity spectra of single tellurium nanowires. Journal of Applied Physics, 2020, 128, 063105.	2.5	4
21	Origin of the electromagnetic anisotropy in monolayer black phosphorus. Physical Review B, 2019, 100, .	3.2	1
22	Spintronics using Si. , 2011, , .		0
23	<i>g</i> -factor anisotropy driven spin relaxation in germanium. Proceedings of SPIE, 2014, , .	0.8	0