Xing-Yi Tan

List of Publications by Year
in descending order

23 papers	124 citations	1478505 6 h-index	1372567 10 g-index
23 all docs	23 docs citations	23 times ranked	95 citing authors

#	Article	IF	Citations
1	Robust type-I band alignment in ZnS nanowire/MoTe2 nanotube van der Waals heterostructures. Chemical Physics Letters, 2022, 791, 139370.	2.6	1
2	The Magnetic and Thermally-Induced Spin-Related Transport Features Using Germanene Nanoribbons With Zigzag and Klein Edges. Frontiers in Physics, 2022, 10, .	2.1	0
3	Computational Study of Metal-Free Magnetism and Spin-Dependent Seebeck Effect in Silicene Nanoribbons with Zigzag and Klein Edges. Advances in Condensed Matter Physics, 2022, 2022, 1-7.	1.1	0
4	Strain-induced spin-gapless semiconductors and pure thermal spin-current in magnetic black arsenic-phosphorus monolayers. Physical Chemistry Chemical Physics, 2022, 24, 13897-13904.	2.8	2
5	The thermal spin molecular logic gates modulated by light. Journal of Magnetism and Magnetic Materials, 2022, 560, 169680.	2.3	0
6	Spin caloritronics in two-dimensional CrI_3 van der Waals heterostructures. Physical Review B, 2021, 103, .	3.2	31
7	Linear and nonlinear thermal spin transport properties of zigzag α-graphyne nanoribbons with sp–sp edges. Chemical Physics Letters, 2021, 777, 138724.	2.6	7
8	Band alignment in carbon-based one-dimensional van der Waals heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114929.	2.7	2
9	Bipolar Magnetic and Thermospin Transport Properties of Graphene Nanoribbons with Zigzag and Klein Edges. Advances in Materials Science and Engineering, 2021, 2021, 1-7.	1.8	1
10	Thermal transport and spin-dependent Seebeck effect in parallel step-like zigzag graphene nanoribbon junctions. Physical Chemistry Chemical Physics, 2020, 22, 19100-19107.	2.8	5
11	One-dimensional transition metal dihalide nanowires as robust bipolar magnetic semiconductors. Nanoscale, 2020, 12, 8942-8948.	5.6	10
12	Tunable electronic structures of C2N/germanane van der waals heterostructures using an external electric field and normal strain. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114334.	2.7	3
13	Bipolar magnetic semiconductor properties and spin-dependent Seebeck effects induced by nanoscale graphene domains doped into armchair boron nitride nanoribbons. Chemical Physics Letters, 2020, 748, 137386.	2.6	2
14	Tunable electronic structures of germanane/antimonene van der Waals heterostructures using an external electric field and normal strain. Chinese Physics B, 2020, 29, 076102.	1.4	8
15	Electronic and optical properties of GaN–MoS$_2$ heterostructure from first-principles calculations*. Chinese Physics B, 2019, 28, 086104.	1.4	9
16	Thermal Spin Transport Properties of F/Cl Edge-Modified Zigzag Graphene Nanoribbons. Journal of Electronic Materials, 2019, 48, 3958-3962.	2.2	1
17	Thermal spin transport properties in a hybrid structure of single-walled carbon nanotubes and zigzag-edge boron nitride nanoribbons. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 057301.	0.5	1
18	Metal-free magnetism, spin-dependent Seebeck effect, and spin-Seebeck diode effect in armchair graphene nanoribbons. Scientific Reports, 2018, 8, 927.	3.3	15

#	Article	IF	Citations
19	Spin-dependent Seebeck effect, spin-dependent Seebeck diode, thermal spin filtering and figure of merit of nitrophenyl diazonium functionalized graphene. Organic Electronics, 2018, 63, 1-6.	2.6	7
20	Spin caloritronics in armchair silicene nanoribbons with sp^3 and sp^2-type alternating hybridizations. Journal of Physics Condensed Matter, 2018, 30, 355303.	1.8	11
21	The spin-dependent Seebeck effect and the charge and spin figure of merit in a hybrid structure of single-walled carbon nanotubes and zigzag-edge graphene nanoribbons. Physical Chemistry Chemical Physics, 2018, 20, 19424-19429.	2.8	7
22	Band alignment in SiC-based one-dimensional van der Waals homojunctions. Chinese Physics B, 0, , .	1.4	1
23	Magnetic and thermospin transport properties of triangular graphene-flake-doped boron nitride nanotubes. Spin, 0, , .	1.3	0