

# Cuneyt Sahin

## List of Publications by Year in descending order

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13  
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#	ARTICLE	IF	CITATIONS
1	Opposite current-induced spin polarizations in bulk-metallic $\text{Bi}_2$ and bulk-insulating $\text{Bi}_2$ . <i>Physical Review B</i> , 2021, 103, .	3.2	8
2	Thermal chiral anomaly in the magnetic-field-induced ideal Weyl phase of $\text{Bi}_2\text{Sb}$ . <i>Nature Materials</i> , 2021, 20, 1525-1531.	27.5	34
3	Large magnon-induced anomalous Nernst conductivity in single-crystal $\text{MnBi}$ . <i>Joule</i> , 2021, 5, 3057-3067.	24.0	21
4	$N_n$ complexes in GaAs studied at the atomic scale by cross-sectional scanning tunneling microscopy. <i>Physical Review B</i> , 2020, 102, .	3.2	4
5	Nanoscale Tunnel Field-Effect Transistor Based on a Complex-Oxide Lateral Heterostructure. <i>Physical Review Applied</i> , 2019, 11, .	3.8	5
6	Strain engineering of the intrinsic spin Hall conductivity in a $\text{SrTiO}_3$ quantum well. <i>Physical Review Materials</i> , 2019, 3, .	2.4	8
7	Fermi level dependent spin pumping from a magnetic insulator into a topological insulator. <i>Physical Review Research</i> , 2019, 1, .	3.6	33
8	Pancharatnam-Berry phase and kinetic magnetoelectric effect in trigonal tellurium. <i>Physical Review B</i> , 2018, 97, .	3.2	29
9	Kinetic orbital moments and nonlocal transport in disordered metals with nontrivial band geometry. <i>Physical Review B</i> , 2017, 96, .	3.2	12
10	Nanometer-scale exchange interactions between spin centers in diamond. <i>Physical Review B</i> , 2016, 93, .	3.2	7
11	Tunable Giant Spin Hall Conductivities in a Strong Spin-Orbit Semimetal: $\text{Bi}_2$ . <i>Physical Review Letters</i> , 2015, 114, 107201.	7.8	57
12	Derivation of effective spin-orbit Hamiltonians and spin lifetimes with application to $\text{SrTiO}_3$ . <i>Physical Review B</i> , 2014, 89, .	3.2	21
13	Core-state manipulation of single Fe impurities in GaAs with a scanning tunneling microscope. <i>Physical Review B</i> , 2013, 87, .	3.2	18