Cuneyt Sahin

List of Publications by Year
in descending order

13 papers	257 citations	1163117 8 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	445 citing authors

#	Article	IF	Citations
1	Tunable Giant Spin Hall Conductivities in a Strong Spin-Orbit Semimetal:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sb</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>. Physical Review Letters, 2015, 114, 107201.	7.8	57
2	Thermal chiral anomaly in the magnetic-field-induced ideal Weyl phase of Bi1â^'xSbx. Nature Materials, 2021, 20, 1525-1531.	27.5	34
3	Fermi level dependent spin pumping from a magnetic insulator into a topological insulator. Physical Review Research, 2019, 1, .	3.6	33
4	Pancharatnam-Berry phase and kinetic magnetoelectric effect in trigonal tellurium. Physical Review B, 2018, 97, .	3.2	29
5	Derivation of effective spin-orbit Hamiltonians and spin lifetimes with application to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2014, 89, .	3.2	21
6	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	24.0	21
7	Core-state manipulation of single Fe impurities in GaAs with a scanning tunneling microscope. Physical Review B, 2013, 87, .	3.2	18
8	Kinetic orbital moments and nonlocal transport in disordered metals with nontrivial band geometry. Physical Review B, 2017, 96, .	3.2	12
9	Opposite current-induced spin polarizations in bulk-metallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> and bulk-insulating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> Physical Review B, 2021, 103, .	3.2	8
10	Strain engineering of the intrinsic spin Hall conductivity in a SrTiO3 quantum well. Physical Review Materials, 2019, 3, .	2.4	8
11	Nanometer-scale exchange interactions between spin centers in diamond. Physical Review B, 2016, 93, .	3.2	7
12	Nanoscale Tunnel Field-Effect Transistor Based on a Complex-Oxide Lateral Heterostructure. Physical Review Applied, 2019, 11, .	3.8	5
13	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">N</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>n</mml:mi><mml:mi mathvariant="normal">H</mml:mi></mml:math> complexes in GaAs studied at the atomic scale by cross-sectional scanning tunneling microscopy. Physical Review B, 2020, 102, .	3.2	4