

Fasil Kidane Dejene

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

868
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1351
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the Spin Peltier Effect for Magnetic Insulators. Physical Review Letters, 2014, 113, 027601.	7.8	191
2	Direct observation of the spin-dependent Peltier effect. Nature Nanotechnology, 2012, 7, 166-168.	31.5	187
3	Exchange coupling torque in ferrimagnetic Co/Gd bilayer maximized near angular momentum compensation temperature. Nature Communications, 2018, 9, 4984.	12.8	78
4	Comparison between charge and spin transport in few-layer graphene. Physical Review B, 2011, 83, .	3.2	76
5	Spin-dependent Seebeck coefficients of $\text{Ni}_{80}\text{Fe}_{20}$ and Co in nanopillar spin valves. Physical Review B, 2012, 86, .	3.2	69
6	Spin heat accumulation and spin-dependent temperatures in nanopillar spin valves. Nature Physics, 2013, 9, 636-639.	16.7	60
7	Direct electronic measurement of Peltier cooling and heating in graphene. Nature Communications, 2016, 7, 11525.	12.8	39
8	Comparison of the magneto-Peltier and magneto-Seebeck effects in magnetic tunnel junctions. Physical Review B, 2015, 92, .	3.2	27
9	Anisotropic Hanle line shape via magnetothermoelectric phenomena. Physical Review B, 2016, 94, .	3.2	24
10	Control of spin current by a magnetic YIG substrate in NiFe/Al nonlocal spin valves. Physical Review B, 2015, 91, .	3.2	22
11	Thermal control of the magnon-photon coupling in a notch filter coupled to a yttrium iron garnet/platinum system. Physical Review B, 2017, 96, .	3.2	22
12	Verification of the Thomson-Onsager reciprocity relation for spin caloritronics. Physical Review B, 2014, 90, .	3.2	20
13	Comparison between thermal and current driven spin-transfer torque in nanopillar metallic spin valves. Physical Review B, 2014, 90, .	3.2	12
14	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn ₃ Ir. Applied Physics Letters, 2019, 115, 062403.	3.3	12
15	Temperature dependence of the effective spin-mixing conductance probed with lateral non-local spin valves. Applied Physics Letters, 2019, 114, .	3.3	10
16	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic Mn_3Ir thin films. Physical Review Materials, 2019, 3, .	2.4	10
17	Detection of spin pumping from YIG by spin-charge conversion in a $\text{Au}/\text{Mn}_3\text{Ir}/\text{YIG}$ structure. Physical Review B, 2016, 94, .	3.2	10