

Simranjeet Singh

List of Publications by Year in descending order

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papers

778
citations

623188

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642321

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24
all docs

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docs citations

24
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Preparation Conditions on Raman and Photoluminescence of Monolayer WS ₂ . Scientific Reports, 2016, 6, 35154.	1.6	107
2	Giant spin-splitting and gap renormalization driven by trions in single-layer WS ₂ /h-BN heterostructures. Nature Physics, 2018, 14, 355-359.	6.5	83
3	Deterministic switching of a perpendicularly polarized magnet using unconventional spin-orbit torques in WTe ₂ . Nature Materials, 2022, 21, 1029-1034.	13.3	75
4	Strong Modulation of Spin Currents in Bilayer Graphene by Static and Fluctuating Proximity Exchange Fields. Physical Review Letters, 2017, 118, 187201.	2.9	66
5	Spin inversion in graphene spin valves by gate-tunable magnetic proximity effect at one-dimensional contacts. Nature Communications, 2018, 9, 2869.	5.8	65
6	Spectroscopic evaluation of charge-transfer doping and strain in graphene/MoS ₂ heterostructures. Physical Review B, 2019, 99, .	2.1	33
7	Imaging spin dynamics in monolayer WS ₂ by time-resolved Kerr rotation microscopy. 2D Materials, 2018, 5, 011010.	2.0	47
8	Nanosecond spin relaxation times in single layer graphene spin valves with hexagonal boron nitride tunnel barriers. Applied Physics Letters, 2016, 109, 122411.	1.5	41
9	Direct observation of minibands in a twisted graphene/WS ₂ bilayer. Science Advances, 2020, 6, eaay6104.	4.7	39
10	Spatially Resolved Electronic Properties of Single-Layer WS ₂ on Transition Metal Oxides. ACS Nano, 2016, 10, 10058-10067.	7.3	31
11	Observation of Electrically Tunable van Hove Singularities in Twisted Bilayer Graphene from NanoARPES. Advanced Materials, 2020, 32, 2001656.	11.1	25
12	Temperature dependent charge transport across tunnel junctions of single-molecules and self-assembled monolayers: a comparative study. Dalton Transactions, 2016, 45, 17153-17159.	1.6	22
13	Strontium Oxide Tunnel Barriers for High Quality Spin Transport and Large Spin Accumulation in Graphene. Nano Letters, 2017, 17, 7578-7585.	4.5	20
14	Imaging microscopic electronic contrasts at the interface of single-layer WS ₂ with oxide and boron nitride substrates. Applied Physics Letters, 2019, 114, 151601.	1.5	14
15	Momentum-resolved view of highly tunable many-body effects in a graphene/hBN field-effect device. Physical Review B, 2020, 101, .	1.1	13
16	Accessing the Spectral Function in a Current-Carrying Device. Physical Review Letters, 2020, 125, 236403.	2.9	12
17	Transport Spectroscopy of Sublattice-Resolved Resonant Scattering in Hydrogen-Doped Bilayer Graphene. Physical Review Letters, 2018, 121, 136801.	2.9	11
18	Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces. IEEE Transactions on Magnetics, 2013, 49, 3147-3150.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Probing tunneling spin injection into graphene via bias dependence. Physical Review B, 2018, 98, .	1.1	9
20	Visualizing band structure hybridization and superlattice effects in twisted MoS ₂ /WS ₂ heterobilayers. 2D Materials, 2022, 9, 015032.	2.0	9
21	In Operando Angle-Resolved Photoemission Spectroscopy with Nanoscale Spatial Resolution: Spatial Mapping of the Electronic Structure of Twisted Bilayer Graphene. Small Science, 2021, 1, 2000075.	5.8	8
22	Moderate positive spin Hall angle in uranium. Applied Physics Letters, 2015, 107, 232403.	1.5	6
23	Scattering strength of the scatterer inducing variability in graphene on silicon oxide. Journal of Physics Condensed Matter, 2016, 28, 115301.	0.7	3
24	Van Hove Singularities: Observation of Electrically Tunable van Hove Singularities in Twisted Bilayer Graphene from NanoARPES (Adv. Mater. 31/2020). Advanced Materials, 2020, 32, 2070230.	11.1	0