## Simranjeet Singh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Effect of Preparation Conditions on Raman and Photoluminescence of Monolayer WS2. Scientific Reports, 2016, 6, 35154.	3.3	107
2	Giant spin-splitting and gap renormalization driven by trions in single-layer WS2/h-BN heterostructures. Nature Physics, 2018, 14, 355-359.	16.7	83
3	Deterministic switching of a perpendicularly polarized magnet using unconventional spin–orbit torques in WTe2. Nature Materials, 2022, 21, 1029-1034.	27.5	75
4	Strong Modulation of Spin Currents in Bilayer Graphene by Static and Fluctuating Proximity Exchange Fields. Physical Review Letters, 2017, 118, 187201.	7.8	66
5	Spin inversion in graphene spin valves by gate-tunable magnetic proximity effect at one-dimensional contacts. Nature Communications, 2018, 9, 2869.	12.8	65
6	Spectroscopic evaluation of charge-transfer doping and strain in graphene/ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt; <mml:msub> <mml:mi>MoS </mml:mi> <mml:mn>2 heterostructures. Physical Review B, 2019, 99, .</mml:mn></mml:msub></mml:math 	m <b>a<i>x</i>m</b>	ll:m <b>as</b> ub>
7	Imaging spin dynamics in monolayer WS <sub>2</sub> by time-resolved Kerr rotation microscopy. 2D Materials, 2018, 5, 011010.	4.4	47
8	Nanosecond spin relaxation times in single layer graphene spin valves with hexagonal boron nitride tunnel barriers. Applied Physics Letters, 2016, 109, 122411.	3.3	41
9	Direct observation of minibands in a twisted graphene/WS <sub>2</sub> bilayer. Science Advances, 2020, 6, eaay6104.	10.3	39
10	Spatially Resolved Electronic Properties of Single-Layer WS <sub>2</sub> on Transition Metal Oxides. ACS Nano, 2016, 10, 10058-10067.	14.6	31
11	Observation of Electrically Tunable van Hove Singularities in Twisted Bilayer Graphene from NanoARPES. Advanced Materials, 2020, 32, 2001656.	21.0	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.	3.3	22
13	Strontium Oxide Tunnel Barriers for High Quality Spin Transport and Large Spin Accumulation in Graphene. Nano Letters, 2017, 17, 7578-7585.	9.1	20
14	Imaging microscopic electronic contrasts at the interface of single-layer WS2 with oxide and boron nitride substrates. Applied Physics Letters, 2019, 114, 151601.	3.3	14
15	Momentum-resolved view of highly tunable many-body effects in a graphene/hBN field-effect device. Physical Review B, 2020, 101, .	3.2	13
16	Accessing the Spectral Function in a Current-Carrying Device. Physical Review Letters, 2020, 125, 236403.	7.8	12
17	Transport Spectroscopy of Sublattice-Resolved Resonant Scattering in Hydrogen-Doped Bilayer Graphene. Physical Review Letters, 2018, 121, 136801.	7.8	11
18	Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces. IEEE Transactions on Magnetics. 2013. 49. 3147-3150.	2.1	9

SIMRANJEET SINGH

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19	Probing tunneling spin injection into graphene via bias dependence. Physical Review B, 2018, 98, .	3.2	9
20	Visualizing band structure hybridization and superlattice effects in twisted MoS <sub>2</sub> /WS <sub>2</sub> heterobilayers. 2D Materials, 2022, 9, 015032.	4.4	9
21	In Operando Angleâ€Resolved Photoemission Spectroscopy with Nanoscale Spatial Resolution: Spatial Mapping of the Electronic Structure of Twisted Bilayer Graphene. Small Science, 2021, 1, 2000075.	9.9	8
22	Moderate positive spin Hall angle in uranium. Applied Physics Letters, 2015, 107, 232403.	3.3	6
23	Scattering strength of the scatterer inducing variability in graphene on silicon oxide. Journal of Physics Condensed Matter, 2016, 28, 115301.	1.8	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.	21.0	0