

# Salman Kahn

## List of Publications by Year in descending order

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27  
papers

2,835  
citations

331259

21  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

5293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum spin Hall state in monolayer 1T'-WTe <sub>2</sub> . Nature Physics, 2017, 13, 683-687.	6.5	596
2	Photoinduced doping in heterostructures of graphene and boron nitride. Nature Nanotechnology, 2014, 9, 348-352.	15.6	287
3	Observation of ultralong valley lifetime in WSe <sub>2</sub> /MoS <sub>2</sub> heterostructures. Science Advances, 2017, 3, e1700518.	4.7	226
4	Characterization and manipulation of individual defects in insulating hexagonal boron nitride using scanning tunnelling microscopy. Nature Nanotechnology, 2015, 10, 949-953.	15.6	192
5	Imaging electrostatically confined Dirac fermions in graphene quantum dots. Nature Physics, 2016, 12, 1032-1036.	6.5	176
6	Direct Growth of Single- and Few-Layer MoS <sub>2</sub> on h-BN with Preferred Relative Rotation Angles. Nano Letters, 2015, 15, 6324-6331.	4.5	172
7	Imaging two-dimensional generalized Wigner crystals. Nature, 2021, 597, 650-654.	13.7	147
8	Strong correlations and orbital texture in single-layer 1T-TaSe <sub>2</sub> . Nature Physics, 2020, 16, 218-224.	6.5	126
9	Imaging moiré flat bands in three-dimensional reconstructed WSe <sub>2</sub> /WS <sub>2</sub> superlattices. Nature Materials, 2021, 20, 945-950.	13.3	118
10	Local spectroscopy of moiré-induced electronic structure in gate-tunable twisted bilayer graphene. Physical Review B, 2015, 92, .	1.1	114
11	Persistent Charge-Density-Wave Order in Single-Layer TaSe <sub>2</sub> . Nano Letters, 2018, 18, 689-694.	4.5	108
12	Optically Discriminating Carrier-Induced Quasiparticle Band Gap and Exciton Energy Renormalization in Monolayer $\text{MoS}_2$ . Physical Review Letters, 2017, 119, 087401.	2.9	74
13	Evidence for quantum spin liquid behaviour in single-layer 1T-TaSe <sub>2</sub> from scanning tunnelling microscopy. Nature Physics, 2021, 17, 1154-1161.	6.5	74
14	Reversible writing of high-mobility and high-carrier-density doping patterns in two-dimensional van der Waals heterostructures. Nature Electronics, 2020, 3, 99-105.	13.1	64
15	Nanoscale Control of Rewriteable Doping Patterns in Pristine Graphene/Boron Nitride Heterostructures. Nano Letters, 2016, 16, 1620-1625.	4.5	60
16	Molecular Arrangement and Charge Transfer in C <sub>60</sub> /Graphene Heterostructures. ACS Nano, 2017, 11, 4686-4693.	7.3	60
17	Efficient Fizeau drag from Dirac electrons in monolayer graphene. Nature, 2021, 594, 517-521.	13.7	48
18	Visualization and Control of Single-Electron Charging in Bilayer Graphene Quantum Dots. Nano Letters, 2018, 18, 5104-5110.	4.5	41

#	ARTICLE	IF	CITATIONS
19	Tuning colour centres at a twisted hexagonal boron nitride interface. <i>Nature Materials</i> , 2022, 21, 896-902.	13.3	31
20	Visualizing delocalized correlated electronic states in twisted double bilayer graphene. <i>Nature Communications</i> , 2021, 12, 2516.	5.8	30
21	Ultrahigh-resolution scanning microwave impedance microscopy of moiré lattices and superstructures. <i>Science Advances</i> , 2020, 6, .	4.7	23
22	Gate-tunable plasmons in mixed-dimensional van der Waals heterostructures. <i>Nature Communications</i> , 2021, 12, 5039.	5.8	20
23	Coupled One-Dimensional Plasmons and Two-Dimensional Phonon Polaritons in Hybrid Silver Nanowire/Silicon Carbide Structures. <i>Nano Letters</i> , 2017, 17, 3662-3667.	4.5	15
24	Layer-Dependent Electronic Structure of Atomically Resolved Two-Dimensional Gallium Selenide Telluride. <i>Nano Letters</i> , 2019, 19, 1782-1787.	4.5	12
25	Fabrication of Gate-tunable Graphene Devices for Scanning Tunneling Microscopy Studies with Coulomb Impurities. <i>Journal of Visualized Experiments</i> , 2015, , e52711.	0.2	7
26	Imaging Quantum Interference in Stadium-Shaped Monolayer and Bilayer Graphene Quantum Dots. <i>Nano Letters</i> , 2021, 21, 8993-8998.	4.5	7
27	Tunneling Spectroscopy in Carbon Nanotube-Hexagonal Boron Nitride-Carbon Nanotube Heterojunctions. <i>Nano Letters</i> , 2020, 20, 6712-6718.	4.5	6