

# Frédéric Joucken

## List of Publications by Year in descending order

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24  
papers

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citations

687363

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docs citations

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times ranked

1051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sublattice Dependence and Gate Tunability of Midgap and Resonant States Induced by Native Dopants in Bernal-Stacked Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 106401.	7.8	4
2	Direct Visualization of Native Defects in Graphite and Their Effect on the Electronic Properties of Bernal-Stacked Bilayer Graphene. <i>Nano Letters</i> , 2021, 21, 7100-7108.	9.1	13
3	Control of Giant Topological Magnetic Moment and Valley Splitting in Trilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 136402.	7.8	14
4	Surface states and quasiparticle interference in Bernal and rhombohedral graphite with and without trigonal warping. <i>Physical Review B</i> , 2021, 104, .	3.2	4
5	Imaging Quantum Interference in Stadium-Shaped Monolayer and Bilayer Graphene Quantum Dots. <i>Nano Letters</i> , 2021, 21, 8993-8998.	9.1	7
6	Quasiparticle interference patterns in bilayer graphene with trigonal warping. <i>Physical Review B</i> , 2021, 104, .	3.2	6
7	Visualization and Manipulation of Bilayer Graphene Quantum Dots with Broken Rotational Symmetry and Nontrivial Topology. <i>Nano Letters</i> , 2020, 20, 8682-8688.	9.1	20
8	Intraconfigurational Transition due to Surface-Induced Symmetry Breaking in Noncovalently Bonded Molecules. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9329-9335.	4.6	11
9	Direct Observation of the Reduction of a Molecule on Nitrogen Pairs in Doped Graphene. <i>Nano Letters</i> , 2020, 20, 6908-6913.	9.1	8
10	Control of Dipolar Switches on Graphene by a Local Electric Field. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15639-15645.	3.1	9
11	Comprehensive Electrostatic Modeling of Exposed Quantum Dots in Graphene/Hexagonal Boron Nitride Heterostructures. <i>Nanomaterials</i> , 2020, 10, 1154.	4.1	5
12	Persistent and reversible electrostatic control of doping in graphene/hexagonal boron nitride heterostructures. <i>Journal of Applied Physics</i> , 2020, 127, 044303.	2.5	8
13	Determination of the trigonal warping orientation in Bernal-stacked bilayer graphene via scanning tunneling microscopy. <i>Physical Review B</i> , 2020, 101, .	3.2	16
14	Controlling Hydrogen-Transfer Rate in Molecules on Graphene by Tunable Molecular Orbital Levels. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6897-6903.	4.6	12
15	Selective control of molecule charge state on graphene using tip-induced electric field and nitrogen doping. <i>Npj 2D Materials and Applications</i> , 2019, 3, .	7.9	19
16	Nanospot angle-resolved photoemission study of Bernal-stacked bilayer graphene on hexagonal boron nitride: Band structure and local variation of lattice alignment. <i>Physical Review B</i> , 2019, 99, .	3.2	13
17	Visualizing the Effect of an Electrostatic Gate with Angle-Resolved Photoemission Spectroscopy. <i>Nano Letters</i> , 2019, 19, 2682-2687.	9.1	32
18	Electronic properties of chemically doped graphene. <i>Physical Review Materials</i> , 2019, 3, .	2.4	36

#	ARTICLE	IF	CITATIONS
19	Molecular adsorbates as probes of the local properties of doped graphene. Scientific Reports, 2016, 6, 24796.	3.3	13
20	Giant tunnel-electron injection in nitrogen-doped graphene. Physical Review B, 2015, 91, .	3.2	15
21	Charge transfer and electronic doping in nitrogen-doped graphene. Scientific Reports, 2015, 5, 14564.	3.3	79
22	Electronic Interaction between Nitrogen Atoms in Doped Graphene. ACS Nano, 2015, 9, 670-678.	14.6	69
23	Electronic Interaction between Nitrogen-Doped Graphene and Porphyrin Molecules. ACS Nano, 2014, 8, 9403-9409.	14.6	52
24	Localized state and charge transfer in nitrogen-doped graphene. Physical Review B, 2012, 85, .	3.2	134