

Frédéric Joucken

List of Publications by Year in descending order

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24
papers

599
citations

687363

13
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized state and charge transfer in nitrogen-doped graphene. <i>Physical Review B</i> , 2012, 85, .	3.2	134
2	Charge transfer and electronic doping in nitrogen-doped graphene. <i>Scientific Reports</i> , 2015, 5, 14564.	3.3	79
3	Electronic Interaction between Nitrogen Atoms in Doped Graphene. <i>ACS Nano</i> , 2015, 9, 670-678.	14.6	69
4	Electronic Interaction between Nitrogen-Doped Graphene and Porphyrin Molecules. <i>ACS Nano</i> , 2014, 8, 9403-9409.	14.6	52
5	Electronic properties of chemically doped graphene. <i>Physical Review Materials</i> , 2019, 3, .	2.4	36
6	Visualizing the Effect of an Electrostatic Gate with Angle-Resolved Photoemission Spectroscopy. <i>Nano Letters</i> , 2019, 19, 2682-2687.	9.1	32
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	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
9	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
10	Giant tunnel-electron injection in nitrogen-doped graphene. <i>Physical Review B</i> , 2015, 91, .	3.2	15
11	Control of Giant Topological Magnetic Moment and Valley Splitting in Trilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 136402.	7.8	14
12	Molecular adsorbates as probes of the local properties of doped graphene. <i>Scientific Reports</i> , 2016, 6, 24796.	3.3	13
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Persistent and reversible electrostatic control of doping in graphene/hexagonal boron nitride heterostructures. Journal of Applied Physics, 2020, 127, 044303.	2.5	8
20	Imaging Quantum Interference in Stadium-Shaped Monolayer and Bilayer Graphene Quantum Dots. Nano Letters, 2021, 21, 8993-8998.	9.1	7
21	Quasiparticle interference patterns in bilayer graphene with trigonal warping. Physical Review B, 2021, 104, .	3.2	6
22	Comprehensive Electrostatic Modeling of Exposed Quantum Dots in Graphene/Hexagonal Boron Nitride Heterostructures. Nanomaterials, 2020, 10, 1154.	4.1	5
23	Sublattice Dependence and Gate Tunability of Midgap and Resonant States Induced by Native Dopants in Bernal-Stacked Bilayer Graphene. Physical Review Letters, 2021, 127, 106401.	7.8	4
24	Surface states and quasiparticle interference in Bernal and rhombohedral graphite with and without trigonal warping. Physical Review B, 2021, 104, .	3.2	4