Julian Gebhardt

List of Publications by Year
in descending order

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29	945	567281 15	477307 29
papers	citations	h-index	g-index

29	29	29	2106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Observation of Electronâ€“Phonon Coupling and Slow Vibrational Relaxation in Organicâ€“Inorganic Hybrid Perovskites. Journal of the American Chemical Society, 2016, 138, 13798-13801.	13.7	196
2	Hierarchical on-surface synthesis and electronic structure of carbonyl-functionalized one- and two-dimensional covalent nanoarchitectures. Nature Communications, 2017, 8, 14765.	12.8	120
3	[2,2â€²]Paracyclophane-Based ‹i›Ï€‹/i›-Conjugated Molecular Wires Reveal Molecular-Junction Behavior. Journal of the American Chemical Society, 2011, 133, 2370-2373.	13.7	72
4	Reversible Hydrogenation of Graphene on Ni(111)â€”Synthesis of â€œGraphoneâ€• Chemistry - A European Journal, 2015, 21, 3347-3358.	3.3	57
5	Doping of ‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"›‹mml:msub›‹mml:mi›BiFeO‹/mml:mi›‹mml:mn›3‹/mml:mn›‹/mml:msub›‹/mml : A comprehensive study on substitutional doping. Physical Review B, 2018, 98, .	3.2	51
6	Influence of the Dimensionality and Organic Cation on Crystal and Electronic Structure of Organometallic Halide Perovskites. Journal of Physical Chemistry C, 2017, 121, 6569-6574.	3.1	47
7	Large-area epitaxial growth of curvature-stabilized ABC trilayer graphene. Nature Communications, 2020, 11, 546.	12.8	47
8	Mix and Match: Organic and Inorganic Ions in the Perovskite Lattice. Advanced Materials, 2019, 31, e1802697.	21.0	37
9	Influence of the surface dipole layer and Pauli repulsion on band energies and doping in graphene adsorbed on metal surfaces. Physical Review B, 2012, 86, .	3.2	35
10	Two-dimensional delocalized states in organometallic bis-acetylide networks on Ag(111). Nanoscale, 2018, 10, 3769-3776.	5.6	32
11	Adding to the Perovskite Universe: Inverse-Hybrid Perovskites. ACS Energy Letters, 2017, 2, 2681-2685.	17.4	30
12	Hydrogenation and hydrogen intercalation of hexagonal boron nitride on Ni(1â€‰1â€‰1): reactivity and electronic structure. 2D Materials, 2017, 4, 035026.	4.4	28
13	Hydrogen storage on metal oxide model clusters using density-functional methods and reliable van der Waals corrections. Physical Chemistry Chemical Physics, 2014, 16, 5382.	2.8	21
14	Onâ€Surface Assembly of Hydrogenâ€•and Halogenâ€Bonded Supramolecular Graphyneâ€Like Networks. Angewandte Chemie - International Edition, 2020, 59, 9549-9555.	13.8	21
15	Screened van der Waals correction to density functional theory for solids. Physical Review Materials, 2017, 1, .	2.4	19
16	Metalated Graphyne-Based Networks as Two-Dimensional Materials: Crystallization, Topological Defects, Delocalized Electronic States, and Site-Specific Doping. ACS Nano, 2020, 14, 16887-16896.	14.6	17
17	The contact of graphene with Ni(111) surface: description by modern dispersive forces approaches. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	15
18	The Electronic Structure of Cs‹sub›2‹/sub›AgBiBr‹sub›6‹/sub› at Room Temperature. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	13

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19	Gold intercalation of boron-doped graphene on Ni(111): XPS and DFT study. Journal of Physics Condensed Matter, 2013, 25, 445002.	1.8	12
20	Transition metal inverse-hybrid perovskites. Journal of Materials Chemistry A, 2018, 6, 14560-14565.	10.3	11
21	Selective reduction of SWCNTs â€“ concepts and insights. Journal of Materials Chemistry C, 2017, 5, 3937-3947.	5.5	10
22	Big data approach for effective ionic radii. Computer Physics Communications, 2019, 237, 238-243.	7.5	10
23	Design of Metal-Halide Inverse-Hybrid Perovskites. Journal of Physical Chemistry C, 2018, 122, 13872-13883.	3.1	9
24	Triethynylmethanol Derivatives: Stable Acetylenic Building Blocks for Surface Chemistry. Chemistry - A European Journal, 2017, 23, 1846-1852.	3.3	8
25	Efficient Modeling Workflow for Accurate Electronic Structures of Hybrid Perovskites. Journal of Physical Chemistry C, 2021, 125, 18597-18603.	3.1	8
26	Reactivity of Substrate-Supported Graphene: A Case Study of Hydrogenation. Journal of Physical Chemistry C, 2018, 122, 2761-2772.	3.1	7
27	Host guest chemistry and supramolecular doping in triphenylamine-based covalent frameworks on Au(111). Nanoscale, 2021, 13, 9798-9807.	5.6	5
28	Accuracy and Transferability ofAb InitioElectronic Band Structure Calculations for Doped BiFeO3. Journal of Physics: Conference Series, 2017, 921, 012009.	0.4	4
29	Onâ€Surface Assembly of Hydrogenâ€•and Halogenâ€Bonded Supramolecular Graphyneâ€Like Networks. Angewandte Chemie, 2020, 132, 9636-9642.	2.0	3