Daniel P Miller

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	553 citations	840585 11 h-index	642610 23 g-index
30 all docs	30 docs citations	30 times ranked	1051 citing authors

#	Article	IF	Citations
1	Interplay of Halogen and Weak Hydrogen Bonds in the Formation of Magic Nanoclusters on Surfaces. Journal of Physical Chemistry C, 2022, 126, 588-596.	1.5	7
2	Halogen and structure sensitivity of halobenzene adsorption on copper surfaces. Physical Chemistry Chemical Physics, 2022, 24, 4485-4492.	1.3	2
3	Insight into the Adsorption Structure of TIPS-Pentacene on Noble Metal Surfaces. Journal of Physical Chemistry C, 2022, 126, 2689-2698.	1.5	0
4	Superalkaliâ€“Alkalide Interactions and Ion Pairing in Low-Polarity Solvents. Journal of the American Chemical Society, 2021, 143, 3934-3943.	6.6	17
5	Reliable folding of hybrid tetrapeptides into short Î²-hairpins. Chinese Chemical Letters, 2021, , .	4.8	0
6	Seeking Out Heterogeneous Hydrogen Bonding in a Self-Assembled 2D Cocrystal of Croconic Acid and Benzimidazole on Au(111). Journal of Physical Chemistry C, 2021, 125, 2403-2410.	1.5	8
7	Stable pseudo[3]rotaxanes with strong positive binding cooperativity based on shape-persistent aromatic oligoamide macrocycles. Chemical Communications, 2021, 57, 11645-11648.	2.2	7
8	Self-Assembly and Molecular Recognition in Water: Tubular Stacking and Guest-Templated Discrete Assembly of Water-Soluble, Shape-Persistent Macrocycles. Journal of the American Chemical Society, 2020, 142, 2915-2924.	6.6	44
9	Major Factors for the Persistent Folding of Hybrid Î±, Î², Î³-Hybrid Peptides Into Hairpins. Frontiers in Chemistry, 2020, 8, 530083.	1.8	2
10	Reverse Turn Foldamers: An Expanded Î²-Turn Motif Reinforced by Double Hydrogen Bonds. Organic Letters, 2020, 22, 1003-1007.	2.4	9
11	The Computational Design of Two-Dimensional Materials. Journal of Chemical Education, 2019, 96, 2308-2314.	1.1	8
12	Folding and Assembly of Short Î±, Î², Î³-Hybrid Peptides: Minor Variations in Sequence and Drastic Differences in Higher-Level Structures. Journal of the American Chemical Society, 2019, 141, 14239-14248.	6.6	18
13	Silanization of superficially porous silica particles with p-aminophenyltrimethoxysilane. Microchemical Journal, 2019, 147, 263-268.	2.3	8
14	Materials genome approach to organic ferroelectrics and piezoelectrics. International Journal of Nanotechnology, 2018, 15, 784.	0.1	1
15	Electrochemical Atomic Force Microscopy and First-Principles Calculations of Ferriprotoporphyrin Adsorption and Polymerization. Langmuir, 2018, 34, 11335-11346.	1.6	0
16	Graphene-like Boronâ€“Carbonâ€“Nitrogen Monolayers. ACS Nano, 2017, 11, 2486-2493.	7.3	154
17	Superconducting Phases of Phosphorus Hydride Under Pressure: Stabilization by Mobile Molecular Hydrogen. Angewandte Chemie, 2017, 129, 10326-10329.	1.6	13
18	Helical Folding of Meta-Connected Aromatic Oligoureas. Organic Letters, 2017, 19, 2666-2669.	2.4	11

#	Article	IF	Citations
19	Epitaxial growth of aligned atomically precise chevron graphene nanoribbons on Cu(111). Chemical Communications, 2017, 53, 8463-8466.	2.2	36
20	Locking and Unlocking the Molecular Spin Crossover Transition. Advanced Materials, 2017, 29, 1702257.	11.1	55
21	Superconducting Phases of Phosphorus Hydride Under Pressure: Stabilization by Mobile Molecular Hydrogen. Angewandte Chemie - International Edition, 2017, 56, 10192-10195.	7.2	27
22	Electronic Structure of Iron Porphyrin Adsorbed to the Pt(111) Surface. Journal of Physical Chemistry C, 2016, 120, 29173-29181.	1.5	13
23	Modulating Bond Lengths via Backdonation: A First-Principles Investigation of a Quinonoid Zwitterion Adsorbed to Coinage Metal Surfaces. Journal of Physical Chemistry C, 2016, 120, 6633-6641.	1.5	11
24	Charge-Transfer-Induced Magic Cluster Formation of Azaborine Heterocycles on Noble Metal Surfaces. Journal of Physical Chemistry C, 2016, 120, 6020-6030.	1.5	23
25	Structure and Proton-Transfer Mechanism in One-Dimensional Chains of Benzimidazoles. Journal of Physical Chemistry C, 2016, 120, 5804-5809.	1.5	8
26	Effect of BN/CC Isosterism on the Thermodynamics of Surface and Bulk Binding: 1,2-Dihydro-1,2-azaborine vs Benzene. Journal of Physical Chemistry C, 2015, 119, 14624-14631.	1.5	11
27	Self-assembly of strongly dipolar molecules on metal surfaces. Journal of Chemical Physics, 2015, 142, 101921.	1.2	38
28	Benzene derivatives adsorbed to the Ag(111) surface: Binding sites and electronic structure. Journal of Chemical Physics, 2015, 142, 101924.	1.2	22
29	Influence of the Lattice Structure of Copper Surfaces on Ammonia Dimer Formation. Journal of Physical Chemistry C, 0, , .	1.5	0