

Teng-Teng Chen

List of Publications by Year in descending order

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33
papers

1,180
citations

471509

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434195

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34
docs citations

34
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	From planar boron clusters to borophenes and metalloborophenes. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	169
2	Observation of a metal-centered $B_{20}Ta@B_{18}$ tubular molecular rotor and a perfect $Ta@B_{20}$ boron drum with the record coordination number of twenty. <i>Chemical Communications</i> , 2017, 53, 1587-1590.	4.1	114
3	Competition between drum and quasi-planar structures in RhB_{18} : motifs for metallo-boronanotubes and metallo-borophenes. <i>Chemical Science</i> , 2016, 7, 7020-7027.	7.4	97
4	The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7358-7363.	13.8	90
5	Observation of highly stable and symmetric lanthanide octa-boron inverse sandwich complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6972-E6977.	7.1	72
6	$[La(\mu-x-B_x)La]$ ($x = 7-9$): a new class of inverse sandwich complexes. <i>Chemical Science</i> , 2019, 10, 2534-2542.	7.4	65
7	PrB_7 : A Praseodymium-Doped Boron Cluster with a Pr Center Coordinated by a Doubly Aromatic Planar $\mu_7 B_7$ Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6916-6920.	13.8	63
8	Observation of Four-Fold Boron-Metal Bonds in $RhB(BO)$ and RhB . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 659-663.	4.6	46
9	Planar B_{41} and B_{42} clusters with double-hexagonal vacancies. <i>Nanoscale</i> , 2019, 11, 23286-23295.	5.6	44
10	Spherical trihedral metallo-borosphenes. <i>Nature Communications</i> , 2020, 11, 2766.	12.8	43
11	B_{48} : a bilayer boron cluster. <i>Nanoscale</i> , 2021, 13, 3868-3876.	5.6	43
12	$Re@B_8$ and $Re@B_9$: New Members of the Transition-Metal-Centered Borometallic Molecular Wheel Family. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5317-5324.	2.5	40
13	Lanthanides with Unusually Low Oxidation States in the PrB_3 and PrB_4 Boride Clusters. <i>Inorganic Chemistry</i> , 2019, 58, 411-418.	4.0	39
14	La_3B_{14} : an inverse triple-decker lanthanide boron cluster. <i>Chemical Communications</i> , 2019, 55, 7864-7867.	4.1	36
15	The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie</i> , 2016, 128, 7484-7489.	2.0	30
16	Bismuth-Boron Multiple Bonding in BiB_2O and Bi_2B . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9551-9555.	13.8	27
17	B_{31} and B_{32} : chiral quasi-planar boron clusters. <i>Nanoscale</i> , 2019, 11, 9698-9704.	5.6	22
18	Monovalent lanthanide(I) in borozene complexes. <i>Nature Communications</i> , 2021, 12, 6467.	12.8	18

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19	Bond-bending isomerism of Au ₂ I ₃ ⁺ : competition between covalent bonding and aurophilicity. <i>Chemical Science</i> , 2016, 7, 475-481.	7.4	16
20	Nb ₂ ⊙Au ₆ : a molecular wheel with a short Nb≡Nb triple bond coordinated by an Au ₆ ring and reinforced by f aromaticity. <i>Chemical Science</i> , 2017, 8, 7528-7536.	7.4	16
21	Expanded Inverse-Sandwich Complexes of Lanthanum Borides: La ₂ B ₁₀ ⁺ and La ₂ B ₁₁ ⁺ . <i>Journal 2.5 of Physical Chemistry A</i> , 2021, 125, 2622-2630.		15
22	Probing the Nature of the Transition-Metal-Boron Bonds and Novel Aromaticity in Small Metal-Doped Boron Clusters Using Photoelectron Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2022, 73, 233-253.	10.8	14
23	PrB ₇ ⁺ : A Praseodymium-Doped Boron Cluster with a Pr ^{II} Center Coordinated by a Doubly Aromatic Planar f ₇ B ₇ ³⁺ Ligand. <i>Angewandte Chemie</i> , 2017, 129, 7020-7024.	2.0	13
24	Recent Progress on the investigations of boron clusters and boron-based materials (I): borophene. <i>Scientia Sinica Chimica</i> , 2018, 48, 98-107.	0.4	12
25	Transition-metal-like bonding behaviors of a boron atom in a boron-cluster boronyl complex [(f ₇ B ₇)-B-BO] ⁺ . <i>Chemical Science</i> , 2021, 12, 8157-8164.	7.4	11
26	Observation of Transition-Metal-Boron Triple Bonds in IrB ₂ O ⁺ and ReB ₂ O ⁺ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15260-15265.	13.8	7
27	Bismuth-Boron Multiple Bonding in BiB ₂ O ⁺ and Bi ₂ B ⁺ . <i>Angewandte Chemie</i> , 2017, 129, 9679-9683.	2.0	5
28	Probing the electronic structure of the CoB ₁₆ ⁺ drum complex: Unusual oxidation state of Co ⁺¹ . <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 241-247.	1.3	5
29	Boron-lead multiple bonds in the PbB ₂ O ⁺ and PbB ₃ O ₂ ⁺ clusters. <i>Communications Chemistry</i> , 2022, 5, .	4.5	4
30	Di-niobium gold clusters: Multiply-bonded Nb ₂ dimer coordinated equatorially by Au atoms. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 7-16.	1.5	3
31	Frontispiz: The Planar CoB ₁₈ ⁺ Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	1
32	Frontispiece: The Planar CoB ₁₈ ⁺ Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	0
33	Observation of Transition-Metal-Boron Triple Bonds in IrB ₂ O ⁺ and ReB ₂ O ⁺ . <i>Angewandte Chemie</i> , 2020, 132, 15372-15377.	2.0	0