

Teng-Teng Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2145868/publications.pdf>

Version: 2024-02-01

33
papers

1,180
citations

471509

17
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Boron-lead multiple bonds in the PbB_2O_6 and PbB_3O_2 clusters. <i>Communications Chemistry</i> , 2022, 5, .	4.5	4
3	B_{48} : a bilayer boron cluster. <i>Nanoscale</i> , 2021, 13, 3868-3876.	5.6	43
4	Expanded Inverse-Sandwich Complexes of Lanthanum Borides: La_2B_{10} and La_2B_{11} . <i>Journal of Physical Chemistry A</i> , 2021, 125, 2622-2630.	2.5	15
5	Transition-metal-like bonding behaviors of a boron atom in a boron-cluster boronyl complex $[(\text{B}_7\text{-B-BO})]$. <i>Chemical Science</i> , 2021, 12, 8157-8164.	7.4	11
6	Monovalent lanthanide(I) in borozene complexes. <i>Nature Communications</i> , 2021, 12, 6467.	12.8	18
7	Observation of Transition-Metal Boron Triple Bonds in IrB_2O and ReB_2O . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15260-15265.	13.8	7
8	Observation of Transition-Metal Boron Triple Bonds in IrB_2O and ReB_2O . <i>Angewandte Chemie</i> , 2020, 132, 15372-15377.	2.0	0
9	Spherical trihedral metallo-borosphenes. <i>Nature Communications</i> , 2020, 11, 2766.	12.8	43
10	Observation of Four-Fold Boron-Metal Bonds in $\text{RhB}(\text{BO})$ and RhB . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 659-663.	4.6	46
11	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
12	$[\text{La}(\text{B}_x\text{-B}_x\text{La})]$ ($x = 7-9$): a new class of inverse sandwich complexes. <i>Chemical Science</i> , 2019, 10, 2534-2542.	7.4	65
13	$\text{Re}@\text{B}_8$ and $\text{Re}@\text{B}_9$: 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
14	La_3B_{14} : an inverse triple-decker lanthanide boron cluster. <i>Chemical Communications</i> , 2019, 55, 7864-7867.	4.1	36
15	B_{31} and B_{32} : chiral quasi-planar boron clusters. <i>Nanoscale</i> , 2019, 11, 9698-9704.	5.6	22
16	Planar B_{41} and B_{42} clusters with double-hexagonal vacancies. <i>Nanoscale</i> , 2019, 11, 23286-23295.	5.6	44
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Observation of highly stable and symmetric lanthanide octa-boron inverse sandwich complexes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6972-E6977.	7.1	72
20	Recent Progress on the investigations of boron clusters and boron-based materials (I): borophene. Scientia Sinica Chimica, 2018, 48, 98-107.	0.4	12
21	PrB_7 : A Praseodymium-Doped Boron Cluster with a Pr Center Coordinated by a Doubly Aromatic Planar $\text{I}_7\text{B}_7\text{I}_3$ Ligand. Angewandte Chemie - International Edition, 2017, 56, 6916-6920.	13.8	63
22	PrB_7 : A Praseodymium-Doped Boron Cluster with a Pr Center Coordinated by a Doubly Aromatic Planar $\text{I}_7\text{B}_7\text{I}_3$ Ligand. Angewandte Chemie, 2017, 129, 7020-7024.	2.0	13
23	Bismuth-Boron Multiple Bonding in BiB_2O and Bi_2B . Angewandte Chemie - International Edition, 2017, 56, 9551-9555.	13.8	27
24	Observation of a metal-centered $\text{B}_2\text{-Ta@B}_{18}$ tubular molecular rotor and a perfect Ta@B_{20} boron drum with the record coordination number of twenty. Chemical Communications, 2017, 53, 1587-1590.	4.1	114
25	From planar boron clusters to borophenes and metalloborophenes. Nature Reviews Chemistry, 2017, 1, .	30.2	169
26	Nb_2Au_6 : a molecular wheel with a short Nb-Nb triple bond coordinated by an Au_6 ring and reinforced by f aromaticity. Chemical Science, 2017, 8, 7528-7536.	7.4	16
27	Bismuth-Boron Multiple Bonding in BiB_2O and Bi_2B . Angewandte Chemie, 2017, 129, 9679-9683.	2.0	5
28	Frontispiz: The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. Angewandte Chemie, 2016, 128, .	2.0	1
29	The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. Angewandte Chemie - International Edition, 2016, 55, 7358-7363.	13.8	90
30	Frontispiece: The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
31	The Planar CoB_{18} Cluster as a Motif for Metallo-Borophenes. Angewandte Chemie, 2016, 128, 7484-7489.	2.0	30
32	Competition between drum and quasi-planar structures in RhB_{18} : motifs for metallo-boronanotubes and metallo-borophenes. Chemical Science, 2016, 7, 7020-7027.	7.4	97
33	Bond-bending isomerism of Au_2I_3 : competition between covalent bonding and aurophilicity. Chemical Science, 2016, 7, 475-481.	7.4	16