

Lai-Sheng Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

479
papers

34,299
citations

101
h-index

160
g-index

489
ext. papers

36,946
ext. citations

7.6
avg, IF

7.45
L-index

#	Paper	IF	Citations
479	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 ,	15.7	1
478	AuB: an Au-borazene complex.. <i>Chemical Communications</i> , 2022 ,	5.8	1
477	Observation of Core-Excited Dipole-Bound States.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2124-2128.	10.4	3
476	A Heteroleptic Gold Hydride Nanocluster for Efficient and Selective Electrocatalytic Reduction of CO to CO.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	9
475	Probing copper-boron interactions in the Cu ₂ B ₈ bimetallic cluster. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 042201	2.9	
474	Monovalent lanthanide(I) in borazene complexes. <i>Nature Communications</i> , 2021 , 12, 6467	17.4	3
473	Photodetachment spectroscopy and resonant photoelectron imaging of cryogenically cooled 1-pyrenolate. <i>Journal of Chemical Physics</i> , 2021 , 154, 094308	3.9	8
472	Expanded Inverse-Sandwich Complexes of Lanthanum Borides: LaB and LaB. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 2622-2630	2.8	10
471	How O-Binding Affects Structural Evolution of Medium Even-Sized Gold Clusters Au (= 20-34). <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3560-3570	6.4	3
470	Probing the Dipole-Bound State in the 9-Phenanthrolate Anion by Photodetachment Spectroscopy, Resonant Two-Photon Photoelectron Imaging, and Resonant Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 2967-2976	2.8	7
469	Double π -Aromaticity in a Planar Zinc-Doped Gold Cluster: AuZn. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 4606-4613	2.8	9
468	The synthesis and characterization of a new diphosphine-protected gold hydride nanocluster. <i>Journal of Chemical Physics</i> , 2021 , 155, 034307	3.9	3
467	The Synthesis, Bonding, and Transformation of a Ligand-Protected Gold Nanohydride Cluster. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2424-2430	16.4	16
466	The Synthesis, Bonding, and Transformation of a Ligand-Protected Gold Nanohydride Cluster. <i>Angewandte Chemie</i> , 2021 , 133, 2454-2460	3.6	4
465	B: a bilayer boron cluster. <i>Nanoscale</i> , 2021 , 13, 3868-3876	7.7	16
464	Photoelectron Spectroscopy of Size-Selected Bismuth-Boron Clusters: BiB (= 6-8). <i>Journal of Physical Chemistry A</i> , 2021 , 125, 6751-6760	2.8	6
463	Observation of a dipole-bound excited state in 4-ethynylphenoxide and comparison with the quadrupole-bound excited state in the isoelectronic 4-cyanophenoxide. <i>Journal of Chemical Physics</i> , 2021 , 155, 124305	3.9	4

462	Transition-metal-like bonding behaviors of a boron atom in a boron-cluster boronyl complex [(EB)-B-BO]. <i>Chemical Science</i> , 2021 , 12, 8157-8164	9.4	4
461	The nature of the chemical bonding in 5d transition-metal diatomic borides MB (M = Ir, Pt, Au). <i>Journal of Chemical Physics</i> , 2020 , 152, 174301	3.9	6
460	Observation of Transition-Metal-Boron Triple Bonds in IrB O and ReB O. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15260-15265	16.4	3
459	Observation of Transition-Metal-Boron Triple Bonds in IrB ₂ O and ReB ₂ O. <i>Angewandte Chemie</i> , 2020 , 132, 15372-15377	3.6	
458	Spherical trihedral metallo-borosphenenes. <i>Nature Communications</i> , 2020 , 11, 2766	17.4	20
457	MnB: An Open-Shell Metallaboron Analog of 3d Metallabenzenes. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 2820-2825	2.8	7
456	High-Resolution Photoelectron Imaging and Photodetachment Spectroscopy of Cryogenically Cooled IO. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5720-5726	2.8	1
455	Photodetachment spectroscopy and resonant photoelectron imaging of the 2-naphthoxide anion via dipole-bound excited states. <i>Journal of Chemical Physics</i> , 2020 , 152, 214307	3.9	6
454	High-resolution photoelectron imaging of MnB : Probing the bonding between the aromatic B cluster and 3d transition metals. <i>Journal of Chemical Physics</i> , 2020 , 152, 244306	3.9	2
453	Observation of M π Aromatic Planar Metallaborocycles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3356-3360	16.4	13
452	Observation of Four-Fold Boron-Metal Bonds in RhB(BO) and RhB. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 659-663	6.4	21
451	Observation of π Backbonding in a Boronyl-Coordinated Transition Metal Complex TaBO. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 10001-10007	2.8	
450	Observation of a Symmetry-Forbidden Excited Quadrupole-Bound State. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20240-20246	16.4	6
449	Observation of a π Type Dipole-Bound State in Molecular Anions. <i>Physical Review Letters</i> , 2020 , 125, 073003	7.4	16
448	Halogen effects on the electronic and optical properties of Au ₁₃ nanoclusters. <i>Nanoscale Advances</i> , 2020 , 2, 4902-4907	5.1	8
447	Polarization of Valence Orbitals by the Intramolecular Electric Field from a Diffuse Dipole-Bound Electron. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7914-7919	6.4	11
446	Probing the electronic structure of the CoB ₁₆ drum complex: Unusual oxidation state of Co ^{III} . <i>Chinese Journal of Chemical Physics</i> , 2019 , 32, 241-247	0.9	3
445	Probing the coupling of a dipole-bound electron with a molecular core. <i>Chemical Science</i> , 2019 , 10, 1386-1391	4.39	13

444	Facile Synthesis of Unsolvated Alkali Metal Octahydrotriborate Salts MB ₃ H ₈ (M=K, Rb, and Cs), Mechanisms of Formation, and the Crystal Structure of KB ₃ H ₈ . <i>Angewandte Chemie</i> , 2019 , 131, 2746-2750	3.6	11
443	Facile Synthesis of Unsolvated Alkali Metal Octahydrotriborate Salts MB ₃ H ₈ (M=K, Rb, and Cs), Mechanisms of Formation, and the Crystal Structure of KB ₃ H ₈ . <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2720-2724	16.4	29
442	[La(η^5 -C ₅ H ₅) ₂ La] ($n = 7-9$): a new class of inverse sandwich complexes. <i>Chemical Science</i> , 2019 , 10, 2534-2542	9.4	42
441	Double- and multi-slit interference in photodetachment from nanometer organic molecular anions. <i>Journal of Chemical Physics</i> , 2019 , 150, 244302	3.9	
440	Re η^5 -C ₅ H ₅ and Re η^5 -C ₅ H ₅ : New Members of the Transition-Metal-Centered Borometallic Molecular Wheel Family. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5317-5324	2.8	23
439	LaB: an inverse triple-decker lanthanide boron cluster. <i>Chemical Communications</i> , 2019 , 55, 7864-7867	5.8	25
438	Probing the structures and bonding of size-selected boron and doped-boron clusters. <i>Chemical Society Reviews</i> , 2019 , 48, 3550-3591	58.5	90
437	B and B: chiral quasi-planar boron clusters. <i>Nanoscale</i> , 2019 , 11, 9698-9704	7.7	18
436	High-Resolution Photoelectron Imaging of IrB ₃ : Observation of a η^5 -Aromatic B Ring Coordinated to a Transition Metal. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8877-8881	16.4	19
435	High-Resolution Photoelectron Imaging of IrB ₃ η^5 : Observation of a η^5 -Aromatic B ₃ ⁺ Ring Coordinated to a Transition Metal. <i>Angewandte Chemie</i> , 2019 , 131, 8969-8973	3.6	5
434	Tautomer-Specific Resonant Photoelectron Imaging of Deprotonated Cytosine Anions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7856-7860	16.4	7
433	Tautomer-Specific Resonant Photoelectron Imaging of Deprotonated Cytosine Anions. <i>Angewandte Chemie</i> , 2019 , 131, 7938-7942	3.6	
432	Au: The Smallest Gold Cluster with the High-Symmetry Icosahedral Core Au. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1820-1827	6.4	12
431	Resonant Two-Photon Photoelectron Imaging and Intersystem Crossing from Excited Dipole-Bound States of Cold Anions. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4339-4344	6.4	19
430	Probing the Critical Dipole Moment To Support Excited Dipole-Bound States in Valence-Bound Anions. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6472-6477	6.4	30
429	ReB: A Metallaboron Analog of Metallabenzenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17854-17860	16.4	12
428	High resolution photoelectron imaging of boron-bismuth binary clusters: BiB _n ($n = 2-4$). <i>Journal of Chemical Physics</i> , 2019 , 150, 064304	3.9	7
427	Planar B and B clusters with double-hexagonal vacancies. <i>Nanoscale</i> , 2019 , 11, 23286-23295	7.7	29

426	High-resolution photoelectron imaging and resonant photoelectron spectroscopy noncovalently bound excited states of cryogenically cooled anions. <i>Chemical Science</i> , 2019 , 10, 9409-9423	9.4	31
425	Lanthanides with Unusually Low Oxidation States in the PrB and PrB Boride Clusters. <i>Inorganic Chemistry</i> , 2019 , 58, 411-418	5.1	23
424	Structural Evolution of Gold-Doped Bismuth Clusters AuBin[(n = 48)]. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6947-6954	3.8	13
423	A high-resolution photoelectron imaging and theoretical study of CP and CP. <i>Journal of Chemical Physics</i> , 2018 , 148, 044301	3.9	7
422	[(CpM)BH] (M = Zr or Hf): early transition metal 'guarded' heptaborane with strong covalent and electrostatic bonding. <i>Chemical Science</i> , 2018 , 9, 1976-1981	9.4	14
421	Toward Solution Syntheses of the Tetrahedral Au Pyramid and Atomically Precise Gold Nanoclusters with Uncoordinated Sites. <i>Accounts of Chemical Research</i> , 2018 , 51, 2159-2168	24.3	48
420	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	11.5	59
419	Elucidation of the Formation Mechanisms of the Octahydrotriborate Anion (BH) through the Nucleophilicity of the B-H Bond. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6718-6726	16.4	49
418	Probing the interaction between the encapsulated water molecule and the fullerene cages in HO@C and HO@CN. <i>Chemical Science</i> , 2018 , 9, 5666-5671	9.4	13
417	Recent Progress on the investigations of boron clusters and boron-based materials (I): borophene. <i>Scientia Sinica Chimica</i> , 2018 , 48, 98-107	1.6	10
416	Dipole-bound excited states and resonant photoelectron imaging of phenoxide and thiophenoxide anions. <i>Journal of Chemical Physics</i> , 2018 , 149, 164301	3.9	22
415	Probing the structures and bonding of auropolyynes, Au-(C?C)-Au (= 1-3), using high-resolution photoelectron imaging. <i>Journal of Chemical Physics</i> , 2018 , 149, 144307	3.9	7
414	Determination of CO Adsorption Sites on Gold Clusters Au (n = 21-25): A Size Region That Bridges the Pyramidal and Core-Shell Structures. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5430-5439	6.4	5
413	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	1.9	1
412	Photodetachment spectroscopy and resonant photoelectron imaging of cryogenically-cooled deprotonated 2-hydroxypyrimidine anions. <i>Journal of Molecular Spectroscopy</i> , 2017 , 332, 86-93	1.3	12
411	B ₂₆ —The smallest planar boron cluster with a hexagonal vacancy and a complicated potential landscape. <i>Chemical Physics Letters</i> , 2017 , 683, 336-341	2.5	33
410	Planar B and B clusters with a double-hexagonal vacancy: molecular motifs for borophenes. <i>Nanoscale</i> , 2017 , 9, 4550-4557	7.7	61
409	Conformation-selective resonant photoelectron imaging from dipole-bound states of cold 3-hydroxyphenoxide. <i>Journal of Chemical Physics</i> , 2017 , 147, 013910	3.9	20

408	PrB : A Praseodymium-Doped Boron Cluster with a Pr Center Coordinated by a Doubly Aromatic Planar η^6 B Ligand. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6916-6920	16.4	46
407	PrB7 η^6 A Praseodymium-Doped Boron Cluster with a PrII Center Coordinated by a Doubly Aromatic Planar η^6 -B73 Ligand. <i>Angewandte Chemie</i> , 2017 , 129, 7020-7024	3.6	12
406	Bismuth-Boron Multiple Bonding in BiB O and Bi B. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9551-9555	16.4	19
405	Recent progresses of global minimum searches of nanoclusters with a constrained Basin-Hopping algorithm in the TGMIn program. <i>Computational and Theoretical Chemistry</i> , 2017 , 1107, 57-65	2	59
404	Observation of a metal-centered B-Ta@B tubular molecular rotor and a perfect Ta@B boron drum with the record coordination number of twenty. <i>Chemical Communications</i> , 2017 , 53, 1587-1590	5.8	90
403	Probing the Structures of Neutral B11 and B12 Using High-Resolution Photoelectron Imaging of B11 η^6 and B12 η^6 . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10752-10759	3.8	14
402	From planar boron clusters to borophenes and metalloborophenes. <i>Nature Reviews Chemistry</i> , 2017 , 1, 1, 1-17	34.6	118
401	Nb η^6 Au: a molecular wheel with a short Nb-Au bond. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12622-12625	9.4	12
400	Observation of Excited Quadrupole-Bound States in Cold Anions. <i>Physical Review Letters</i> , 2017 , 119, 023002	7.4	28
399	B33 and B34 Aromatic Planar Boron Clusters with a Hexagonal Vacancy. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4546-4551	2.3	28
398	High-Resolution Photoelectron Imaging of Cryogenically-Cooled CN and (CN) Azafullerene Anions. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 6220-6225	6.4	4
397	Bismuth-Boron Multiple Bonding in BiB2O η^6 and Bi2B η^6 . <i>Angewandte Chemie</i> , 2017 , 129, 9679-9683	3.6	4
396	Resonant photoelectron imaging of deprotonated uracil anion via vibrational levels of a dipole-bound excited state. <i>Chemical Physics</i> , 2017 , 482, 374-383	2.3	24
395	Probing the Structural Evolution of Gold-Aluminum Bimetallic Clusters (Au2Aln, n = 3-11) Using Photoelectron Spectroscopy and Theoretical Calculations. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18234-18243	3.8	17
394	Bond-bending isomerism of Au1: competition between covalent bonding and aurophilicity. <i>Chemical Science</i> , 2016 , 7, 475-481	9.4	14
393	Structural Evolution of Core-Shell Gold Nanoclusters: Au (n = 42-50). <i>ACS Nano</i> , 2016 , 10, 10013-10022	16.7	32
392	Polymorphism of Phosphine-Protected Gold Nanoclusters: Synthesis and Characterization of a New 22-Gold-Atom Cluster. <i>Small</i> , 2016 , 12, 2518-25	11	27
391	All-Metal Antiaromaticity in Sb4 -Type Lanthanocene Anions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5531-5	16.4	46

390	Beyond organic chemistry: aromaticity in atomic clusters. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 11589-605	3.6	88
389	Probing the Electronic Structure and Chemical Bonding of Mono-Uranium Oxides with Different Oxidation States: UO _x (-) and UO _x (x = 3-5). <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1084-96	2.8	22
388	Photoelectron spectroscopy of size-selected boron clusters: from planar structures to borophenes and borospherenes. <i>International Reviews in Physical Chemistry</i> , 2016 , 35, 69-142	7	195
387	Photoelectron Spectroscopy of BiAu(-) and BiBO(-): Further Evidence of the Analogy between Au and Boronyl. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1635-40	3.4	14
386	Frontispiz: The Planar CoB ₁₈ Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie</i> , 2016 , 128,	3.6	1
385	The Planar CoB ₁₈ (-) Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7358-63	16.4	71
384	Hollow Gold Cages and Their Topological Relationship to Dual Fullerenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 8823-34	4.8	13
383	Hollow Gold Cages and Their Topological Relationship to Dual Fullerenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 8709-8709	4.8	
382	A combined photoelectron spectroscopy and relativistic ab initio studies of the electronic structures of UFO and UFO(-). <i>Journal of Chemical Physics</i> , 2016 , 144, 084309	3.9	4
381	Probing the electronic structure and Au- chemical bonding in AuC _n and AuC _n H _n (n = 2, 4, and 6) using high-resolution photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2016 , 145, 064304	3.9	15
380	Observation and characterization of the smallest borospherene, B ₂₈ (-) and B ₂₈ . <i>Journal of Chemical Physics</i> , 2016 , 144, 064307	3.9	119
379	Time-resolved photoelectron spectroscopy of a dinuclear Pt(II) complex: Tunneling autodetachment from both singlet and triplet excited states of a molecular dianion. <i>Journal of Chemical Physics</i> , 2016 , 144, 054305	3.9	13
378	Manganese-centered tubular boron cluster - MnB ₁₆ (-): A new class of transition-metal molecules. <i>Journal of Chemical Physics</i> , 2016 , 144, 154310	3.9	84
377	Probing the structures of gold-aluminum alloy clusters Au _x Al _y (-): a joint experimental and theoretical study. <i>Nanoscale</i> , 2016 , 8, 9805-14	7.7	22
376	Catalyst design based on agostic interactions: synthesis, characterization, and catalytic activity of bis(pyrazolyl)borate copper complexes. <i>Dalton Transactions</i> , 2016 , 45, 10194-9	4.3	13
375	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au ₂₀ Clusters. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10500-10506	3.9	12
374	Diphosphine-Protected Au Nanoclusters on Oxide Supports Are Active for Gas-Phase Catalysis without Ligand Removal. <i>Nano Letters</i> , 2016 , 16, 6560-6567	11.5	70
373	Competition between quasi-planar and cage-like structures in the B cluster: photoelectron spectroscopy and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29147-29155	3.6	71

372	Competition between drum and quasi-planar structures in RhB: motifs for metallo-boronanotubes and metallo-borophenes. <i>Chemical Science</i> , 2016 , 7, 7020-7027	9.4	78
371	On the gold-ligand covalency in linear [AuX ₂] ⁽⁻⁾ complexes. <i>Dalton Transactions</i> , 2015 , 44, 5535-46	4.3	20
370	Photoelectron spectroscopy and theoretical studies of gaseous uranium hexachlorides in different oxidation states: UCl ₆ (q-) (q = 0-2). <i>Journal of Chemical Physics</i> , 2015 , 142, 134308	3.9	29
369	Conformation-Selective Resonant Photoelectron Spectroscopy via Dipole-Bound States of Cold Anions. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2153-7	6.4	22
368	Cobalt-centred boron molecular drums with the highest coordination number in the CoB ₁₆ - cluster. <i>Nature Communications</i> , 2015 , 6, 8654	17.4	147
367	Communication: Observation of dipole-bound state and high-resolution photoelectron imaging of cold acetate anions. <i>Journal of Chemical Physics</i> , 2015 , 142, 091103	3.9	22
366	Vibrational state-selective autodetachment photoelectron spectroscopy from dipole-bound states of cold 2-hydroxyphenoxide: o-HO(C ₆ H ₄)O ⁽⁻⁾ . <i>Journal of Chemical Physics</i> , 2015 , 142, 124309	3.9	27
365	Perspective: Electrospray photoelectron spectroscopy: From multiply-charged anions to ultracold anions. <i>Journal of Chemical Physics</i> , 2015 , 143, 040901	3.9	55
364	B ₂₇ ⁽⁻⁾ : Appearance of the smallest planar boron cluster containing a hexagonal vacancy. <i>Journal of Chemical Physics</i> , 2015 , 142, 204305	3.9	49
363	Probing the vibrational spectroscopy of the deprotonated thymine radical by photodetachment and state-selective autodetachment photoelectron spectroscopy dipole-bound states. <i>Chemical Science</i> , 2015 , 6, 3129-3138	9.4	29
362	Experimental and theoretical evidence of an axially chiral borospherene. <i>ACS Nano</i> , 2015 , 9, 754-60	16.7	195
361	Vibrational State-Selective Resonant Two-Photon Photoelectron Spectroscopy of AuS ⁽⁻⁾ via a Spin-Forbidden Excited State. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 637-42	6.4	19
360	Communication: Vibrationally resolved photoelectron spectroscopy of the tetracyanoquinodimethane (TCNQ) anion and accurate determination of the electron affinity of TCNQ. <i>Journal of Chemical Physics</i> , 2015 , 143, 221102	3.9	28
359	[B] ₁₇ ⁽⁻⁾ : a quasiplanar chiral boron cluster. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5540-5	16.4	116
358	Strong electron correlation in UO ₂ ⁽⁻⁾ : a photoelectron spectroscopy and relativistic quantum chemistry study. <i>Journal of Chemical Physics</i> , 2014 , 140, 094306	3.9	23
357	Planar hexagonal B ₍₃₆₎ as a potential basis for extended single-atom layer boron sheets. <i>Nature Communications</i> , 2014 , 5, 3113	17.4	503
356	Synthesis and structure determination of a new Au ₍₂₀₎ nanocluster protected by tripodal tetraphosphine ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 3932-4	5.1	68
355	High-resolution photoelectron imaging of cold C ₂ ⁽⁻⁾ anions and accurate determination of the electron affinity of C ₂ . <i>Journal of Chemical Physics</i> , 2014 , 140, 224315	3.9	73

354	The B35 cluster with a double-hexagonal vacancy: a new and more flexible structural motif for borophene. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12257-60	16.4	250
353	A photoelectron spectroscopy and ab initio study of the structures and chemical bonding of the B25(-) cluster. <i>Journal of Chemical Physics</i> , 2014 , 141, 034303	3.9	54
352	Assessment of Quantum Mechanical Methods for Copper and Iron Complexes by Photoelectron Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 1283-1291	6.4	16
351	Controlling gold nanoclusters by diphospine ligands. <i>Journal of the American Chemical Society</i> , 2014 , 136, 92-5	16.4	187
350	[B30]nA Quasiplanar Chiral Boron Cluster. <i>Angewandte Chemie</i> , 2014 , 126, 5646-5651	3.6	28
349	Observation of an all-boron fullerene. <i>Nature Chemistry</i> , 2014 , 6, 727-31	17.6	590
348	Complexes between planar boron clusters and transition metals: a photoelectron spectroscopy and ab initio study of CoB12(-) and RhB12(-). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8098-105	2.8	111
347	Electronic structure and chemical bonding of a highly stable and aromatic auro-aluminum oxide cluster. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5204-11	2.8	7
346	Isomerism and structural fluxionality in the Au26 and Au26(-) nanoclusters. <i>ACS Nano</i> , 2014 , 8, 7413-22	16.7	40
345	Understanding boron through size-selected clusters: structure, chemical bonding, and fluxionality. <i>Accounts of Chemical Research</i> , 2014 , 47, 1349-58	24.3	382
344	Boronyl chemistry: the BO group as a new ligand in gas-phase clusters and synthetic compounds. <i>Accounts of Chemical Research</i> , 2014 , 47, 2435-45	24.3	64
343	Hexagonal Bipyramidal [Ta2B6]n Clusters: B6 Rings as Structural Motifs. <i>Angewandte Chemie</i> , 2014 , 126, 1312-1316	3.6	26
342	Vibrational Spectroscopy of the Dehydrogenated Uracil Radical by Autodetachment of Dipole-Bound Excited States of Cold Anions. <i>Angewandte Chemie</i> , 2014 , 126, 2496-2500	3.6	3
341	Hexagonal bipyramidal [Ta(2)B(6)](-/0) clusters: B(6) rings as structural motifs. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1288-92	16.4	38
340	Vibrational spectroscopy of the dehydrogenated uracil radical by autodetachment of dipole-bound excited states of cold anions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2464-8	16.4	61
339	Probing the electronic and vibrational structure of Au2Al2(-) and Au2Al2 using photoelectron spectroscopy and high resolution photoelectron imaging. <i>Journal of Chemical Physics</i> , 2014 , 141, 224309 ³⁻⁹	3.9	8
338	High resolution photoelectron imaging of UO(-) and UO2(-) and the low-lying electronic states and vibrational frequencies of UO and UO2. <i>Journal of Chemical Physics</i> , 2014 , 141, 244302	3.9	12
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