

Lai-Sheng Wang

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479
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ext. papers

36,946
ext. citations

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L-index

#	Paper	IF	Citations
479	Au ₂₀ : a tetrahedral cluster. <i>Science</i> , 2003 , 299, 864-7	33.3	990
478	Observation of an all-boron fullerene. <i>Nature Chemistry</i> , 2014 , 6, 727-31	17.6	590
477	On the Electronic and Atomic Structures of Small Au _N - (N = 4-14) Clusters: A Photoelectron Spectroscopy and Density-Functional Study. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 6168-6175	2.8	572
476	Hydrocarbon analogues of boron clusters--planarity, aromaticity and antiaromaticity. <i>Nature Materials</i> , 2003 , 2, 827-33	27	567
475	Observation of all-metal aromatic molecules. <i>Science</i> , 2001 , 291, 859-61	33.3	531
474	All-boron aromatic clusters as potential new inorganic ligands and building blocks in chemistry. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 2811-2866	23.2	509
473	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
472	Synthesis of the H-cluster framework of iron-only hydrogenase. <i>Nature</i> , 2005 , 433, 610-3	50.4	467
471	All-metal aromaticity and antiaromaticity. <i>Chemical Reviews</i> , 2005 , 105, 3716-57	68.1	457
470	Planar-to-tubular structural transition in boron clusters: B ₂₀ as the embryo of single-walled boron nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 961-4	11.5	428
469	A concentric planar doubly aromatic B ₁₀ cluster. <i>Nature Chemistry</i> , 2010 , 2, 202-6	17.6	424
468	Hepta- and octacoordinate boron in molecular wheels of eight- and nine-atom boron clusters: observation and confirmation. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 6004-8	16.4	419
467	Understanding boron through size-selected clusters: structure, chemical bonding, and fluxionality. <i>Accounts of Chemical Research</i> , 2014 , 47, 1349-58	24.3	382
466	Evidence of hollow golden cages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8326-30	11.5	345
465	s- p Hybridization and Electron Shell Structures in Aluminum Clusters: A Photoelectron Spectroscopy Study. <i>Physical Review Letters</i> , 1998 , 81, 1909-1912	7.4	301
464	Experimental observation and confirmation of icosahedral W@Au ₁₂ and Mo@Au ₁₂ molecules. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4786-9	16.4	299
463	Threshold photodetachment of cold C ₆₀ . <i>Chemical Physics Letters</i> , 1991 , 182, 5-11	2.5	294

462	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
461	Structure of the Na(x)Cl(x+1) (-) (x=1-4) clusters via ab initio genetic algorithm and photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2004 , 121, 5709-19	3.9	247
460	Photoelectron spectra of aluminum cluster anions: Temperature effects and ab initio simulations. <i>Physical Review B</i> , 1999 , 60, R11297-R11300	3.3	247
459	First experimental photoelectron spectra of superhalogens and their theoretical interpretations. <i>Journal of Chemical Physics</i> , 1999 , 110, 4763-4771	3.9	243
458	All-boron analogues of aromatic hydrocarbons: B17- and B18-. <i>Journal of Chemical Physics</i> , 2011 , 134, 224304	3.9	242
457	Tetracoordinated Planar Carbon in the Al4C- Anion. A Combined Photoelectron Spectroscopy and ab Initio Study. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6033-6038	16.4	242
456	Development of a low-temperature photoelectron spectroscopy instrument using an electrospray ion source and a cryogenically controlled ion trap. <i>Review of Scientific Instruments</i> , 2008 , 79, 073108	1.7	241
455	Helical Crystalline SiC/SiO2 CoreShell Nanowires. <i>Nano Letters</i> , 2002 , 2, 941-944	11.5	238
454	A photoelectron spectroscopic and theoretical study of B16- and B16(2-): an all-boron naphthalene. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7244-6	16.4	231
453	All-metal antiaromatic molecule: rectangular Al4(4-) in the Li3Al4(-) anion. <i>Science</i> , 2003 , 300, 622-5	33.3	205
452	On the aromaticity of square planar Ga4(2-) and In4(2-) in gaseous NaGa4- and NaIn4- clusters. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8825-31	16.4	201
451	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
450	Experimental and theoretical evidence of an axially chiral borospherene. <i>ACS Nano</i> , 2015 , 9, 754-60	16.7	195
449	Photodetachment photoelectron spectroscopy of multiply charged anions using electrospray ionization. <i>Review of Scientific Instruments</i> , 1999 , 70, 1957-1966	1.7	195
448	Electronic structure and chemical bonding of B5 and B5- by photoelectron spectroscopy and ab initio calculations. <i>Journal of Chemical Physics</i> , 2002 , 117, 7917-7924	3.9	193
447	Observation of negative electron-binding energy in a molecule. <i>Nature</i> , 1999 , 400, 245-248	50.4	190
446	Experimental Observation of Pentaatomic Tetracoordinate Planar Carbon-Containing Molecules. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7681-7687	16.4	188
445	Controlling gold nanoclusters by diphospine ligands. <i>Journal of the American Chemical Society</i> , 2014 , 136, 92-5	16.4	187

444	Fullerene triplet state production and decay: R2PI probes of C60 and C70 in a supersonic beam. <i>Chemical Physics Letters</i> , 1991 , 179, 449-454	2.5	186
443	Transition-metal-centered monocyclic boron wheel clusters (M ⁿ B _n): a new class of aromatic borometallic compounds. <i>Accounts of Chemical Research</i> , 2013 , 46, 350-8	24.3	184
442	Probing Free Multiply Charged Anions Using Photodetachment Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 1978-1990	2.8	180
441	Synthesis, Characterization, and Manipulation of Helical SiO ₂ Nanosprings. <i>Nano Letters</i> , 2003 , 3, 577-580	1.5	178
440	Electronic Structure, Isomerism, and Chemical Bonding in B ⁷⁻ and B ⁷ . <i>Journal of Physical Chemistry A</i> , 2004 , 108, 3509-3517	2.8	177
439	Structure and Bonding in B ⁶⁻ and B ⁶ : Planarity and Antiaromaticity. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1359-1369	2.8	175
438	High resolution photoelectron spectroscopy of C ₆₀ . <i>Journal of Chemical Physics</i> , 1999 , 110, 8217-8220	3.9	174
437	B ²²⁻ and B ²³⁻ : all-boron analogues of anthracene and phenanthrene. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18065-73	16.4	172
436	Bulk-like features in the photoemission spectra of hydrated doubly charged anion clusters. <i>Science</i> , 2001 , 294, 1322-5	33.3	171
435	Probing the Potential Barriers and Intramolecular Electrostatic Interactions in Free Doubly Charged Anions. <i>Physical Review Letters</i> , 1998 , 81, 2667-2670	7.4	171
434	Photoelectron Spectroscopy and ab Initio Study of B ³⁻ and B ⁴⁻ Anions and Their Neutrals. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 9319-9328	2.8	169
433	Aromaticity and antiaromaticity in transition-metal systems. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 257-67	3.6	166
432	Observation of the highest coordination number in planar species: decacoordinated Ta ⁿ B ¹⁰⁽⁻⁾ and Nb ⁿ B ¹⁰⁽⁻⁾ anions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2101-5	16.4	160
431	Probing the electronic structure and band gap evolution of titanium oxide clusters (TiO ₂) _n ⁽⁻⁾ (n = 1-10) using photoelectron spectroscopy. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3022-6	16.4	159
430	Aromatic metal-centered monocyclic boron rings: Co ⁿ B ⁸⁻ and Ru ⁿ B ⁹⁻ . <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9334-7	16.4	151
429	Vibrationally resolved photoelectron spectroscopy of BO ⁻ and BO ₂ ⁻ : a joint experimental and theoretical study. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 1030-5	2.8	151
428	Magnetic properties in transition-metal-doped gold clusters: M@Au ₆ (M = Ti, V, Cr). <i>Physical Review Letters</i> , 2005 , 95, 253401	7.4	149
427	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

426	Probing the 2D to 3D structural transition in gold cluster anions using argon tagging. <i>Physical Review Letters</i> , 2009 , 102, 153401	7.4	145
425	B ₂ (BO) ₂ (²⁻)-diboronyl diborene: a linear molecule with a triple boron-boron bond. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2573-9	16.4	142
424	MX ₃ (-) superhalogens (M = Be, Mg, Ca; X = Cl, Br): a photoelectron spectroscopic and ab initio theoretical study. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 11560-7	2.8	142
423	Sn ₁₂ (²⁻): stannaspherene. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8390-1	16.4	140
422	A study of the structure and bonding of small aluminum oxide clusters by photoelectron spectroscopy: Al _x O _y (x=1-10, y=1-5). <i>Journal of Chemical Physics</i> , 1997 , 106, 1309-1317	3.9	139
421	Carbon avoids hypercoordination in CB ₆ (-), CB ₆ (²⁻), and C ₂ B ₅ (-) planar carbon-boron clusters. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9248-50	16.4	138
420	Evidence of significant covalent bonding in Au(CN) ₂ (²⁻). <i>Journal of the American Chemical Society</i> , 2009 , 131, 16368-70	16.4	137
419	Molecular wheel B ₈ (²⁻) as a new inorganic ligand. photoelectron spectroscopy and ab initio characterization of LiB ₈ (-). <i>Inorganic Chemistry</i> , 2004 , 43, 3552-4	5.1	135
418	Aromatic Mercury Clusters in Ancient Amalgams Work done at Utah State University is supported by the donors to The Petroleum Research Fund, administered by the American Chemical Society. Work done at Iowa State University is supported by Basic Energy Sciences, the U.S. Department of Energy. Work done at Washington State University is supported by the National Science Foundation.	16.4	134
417	Transition-metal-centered nine-membered boron rings: M(c)B ₉ and M(c)B ₉ (-) (M = Rh, Ir). <i>Journal of the American Chemical Society</i> , 2012 , 134, 1165-8	16.4	132
416	High resolution UV photoelectron spectroscopy of CO+ ₂ , COS+ and CS+ ₂ using supersonic molecular beams. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1988 , 47, 167-186	1.7	132
415	Unraveling the mechanisms of O ₂ activation by size-selected gold clusters: transition from superoxo to peroxo chemisorption. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9438-45	16.4	129
414	Icosahedral gold cage clusters: M@Au ₁₂ - (M=V, Nb, and Ta). <i>Journal of Chemical Physics</i> , 2004 , 121, 8369-74	3.74	127
413	Photodetachment Spectroscopy of a Doubly Charged Anion: Direct Observation of the Repulsive Coulomb Barrier. <i>Physical Review Letters</i> , 1998 , 81, 3351-3354	7.4	125
412	Origin of the unusual stability of MnO ₄ ⁻ . <i>Chemical Physics Letters</i> , 1999 , 312, 598-605	2.5	125
411	Facile syntheses of monodisperse ultrasmall Au clusters. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2141-48	16.4	124
410	Direct experimental observation of the low ionization potentials of guanine in free oligonucleotides by using photoelectron spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 17588-92	11.5	124
409	Experimental and theoretical investigation of the electronic and geometrical structures of the Au ₃₂ cluster. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7119-23	16.4	124

408	Al(6)(2-) - fusion of two aromatic Al(3)(-) units. A combined photoelectron spectroscopy and ab initio study of M(+)[Al(6)(2-)] (M = Li, Na, K, Cu, and Au). <i>Journal of the American Chemical Society</i> , 2002 , 124, 11791-801	16.4	121
407	[SiAu4]: Aurosilane. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2125-9	16.4	120
406	Sequential oxygen atom chemisorption on surfaces of small iron clusters. <i>Physical Review Letters</i> , 1996 , 76, 4853-4856	7.4	120
405	Relativistic effects and the unique low-symmetry structures of gold nanoclusters. <i>ACS Nano</i> , 2008 , 2, 897-904	16.7	119
404	Observation and characterization of the smallest borospherene, B28(-) and B28. <i>Journal of Chemical Physics</i> , 2016 , 144, 064307	3.9	119
403	From planar boron clusters to borophenes and metalborophenes. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	118
402	Chemical Bonding between Cu and Oxygen Copper Oxides vs O2 Complexes: A Study of CuOx(x=0B) Species by Anion Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 2103-2111	2.8	117
401	Dimer Growth, Structural Transition, and Antiferromagnetic Ordering of Small Chromium Clusters. <i>Physical Review Letters</i> , 1996 , 77, 51-54	7.4	117
400	[B1P]: a quasiplanar chiral boron cluster. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5540-5	16.4	116
399	A photoelectron spectroscopy and ab initio study of B21-: negatively charged boron clusters continue to be planar at 21. <i>Journal of Chemical Physics</i> , 2012 , 136, 104310	3.9	112
398	Probing the interactions of O(2) with small gold cluster anions (Au(n)(-), n = 1-7): chemisorption vs physisorption. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4344-51	16.4	112
397	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
396	A combined photoelectron spectroscopy and ab initio study of the quasi-planar B24(-) cluster. <i>Journal of Chemical Physics</i> , 2013 , 139, 144307	3.9	111
395	Probing the structural evolution of medium-sized gold clusters: Au(n)(-) (n = 27-35). <i>Journal of the American Chemical Society</i> , 2010 , 132, 6596-605	16.4	111
394	Electronic instability of isolated SO42- and its solvation stabilization. <i>Journal of Chemical Physics</i> , 2000 , 113, 10837-10840	3.9	111
393	Beyond Classical Stoichiometry: Experiment and Theory. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 10759-10775	16.4	111
392	Observation and Photoelectron Spectroscopic Study of Novel Mono- and Diiron Oxide Molecules: FeOy- (y = 1A) and Fe2Oy- (y = 1B). <i>Journal of the American Chemical Society</i> , 1996 , 118, 5296-5301	16.4	111
391	Pd(2)@Sn(18)(4-): fusion of two endohedral stannaspherenes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9560-1	16.4	109

390	Photoelectron spectroscopy of multiply charged anions. <i>Annual Review of Physical Chemistry</i> , 2009 , 60, 105-26	15.7	108
389	CB7 ⁻ : experimental and theoretical evidence against hypercoordinate planar carbon. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4550-3	16.4	108
388	Gold apes hydrogen. The structure and bonding in the planar B7Au ²⁻ and B7Au ² clusters. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 1689-93	2.8	108
387	The design and construction of a high-resolution velocity-map imaging apparatus for photoelectron spectroscopy studies of size-selected clusters. <i>Review of Scientific Instruments</i> , 2014 , 85, 083106	1.7	107
386	A study of nickel monoxide (NiO), nickel dioxide (ONiO), and Ni(O ₂) complex by anion photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1997 , 107, 16-21	3.9	106
385	Doping golden buckyballs: Cu@Au ¹⁶⁻ and Cu@Au ¹⁷⁻ cluster anions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2915-8	16.4	106
384	Si ₃ O _y (y=1-8) Clusters: Models for Oxidation of Silicon Surfaces and Defect Sites in Bulk Oxide Materials. <i>Physical Review Letters</i> , 1997 , 78, 4450-4453	7.4	105
383	Probing the electronic structure of early transition-metal oxide clusters: polyhedral cages of (V ₂ O ₅) _n ⁻ (n = 2-4) and (M ₂ O ₅ (2)) ⁻ (M = Nb, Ta). <i>Journal of the American Chemical Society</i> , 2007 , 129, 13270-6	16.4	105
382	Pb ₁₂ ²⁻ : plumbaspherene. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 10169-72	2.8	105
381	Electronic structure of chromium oxides, CrO _n [±] and CrO _n (n=1-8) from photoelectron spectroscopy and density functional theory calculations. <i>Journal of Chemical Physics</i> , 2001 , 115, 7935-7944	7.9	105
380	Aluminum cluster anions: Photoelectron spectroscopy and ab initio simulations. <i>Physical Review B</i> , 2000 , 62, 13216-13228	3.3	105
379	Electronic structure and chemical bonding in MO _n ⁻ and MO _n clusters (M = Mo, W; n = 3-5): a photoelectron spectroscopy and ab initio study. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16134-41	16.4	104
378	Structural transition of gold nanoclusters: from the golden cage to the golden pyramid. <i>ACS Nano</i> , 2009 , 3, 1225-30	16.7	99
377	Experimental Search for the Smallest Stable Multiply Charged Anions in the Gas Phase. <i>Physical Review Letters</i> , 1999 , 83, 3402-3405	7.4	99
376	Au ₃₄ ⁻ : A Fluxional Core-Shell Cluster. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8228-8232	3.8	98
375	A photoelectron spectroscopic study of monovanadium oxide anions (VO _x) _{x=1-8} . <i>Journal of Chemical Physics</i> , 1998 , 108, 5310-5318	3.9	98
374	Electronic structure of small copper oxide clusters: From Cu ₂ O to Cu ₂ O ₄ . <i>Physical Review B</i> , 1996 , 53, 8028-8031	3.3	97
373	Gold as hydrogen. An experimental and theoretical study of the structures and bonding in disilicon gold clusters Si ₂ Au _n ⁻ and Si ₂ Au _n (n = 2 and 4) and comparisons to Si ₂ H ₂ and Si ₂ H ₄ . <i>Journal of Physical Chemistry A</i> , 2005 , 109, 4366-74	2.8	96

- 372 Unique CO chemisorption properties of gold hexamer: Au₆(CO)_n- (n = 0-3). *Journal of the American Chemical Society*, **2005**, 127, 12098-106 16.4 96
- 371 Toward the Solution Synthesis of the Tetrahedral Au₂₀ Cluster. *Journal of Physical Chemistry B*, **2004**, 108, 12259-12263 3.4 96
- 370 Electronic structure and chemical bonding between the first row transition metals and C₂: A photoelectron spectroscopy study of MC₂[M=Sc, V, Cr, Mn, Fe, and Co]. *Journal of Chemical Physics*, **1999**, 111, 8389-8395 3.9 95
- 369 Probing the structures of neutral boron clusters using infrared/vacuum ultraviolet two color ionization: B₁₁, B₁₆, and B₁₇. *Journal of Chemical Physics*, **2012**, 137, 014317 3.9 94
- 368 Covalent gold. *Physical Chemistry Chemical Physics*, **2010**, 12, 8694-705 3.6 94
- 367 Probing the electronic and structural properties of chromium oxide clusters (CrO₃)_n(-) and (CrO₃)_n (n = 1-5): photoelectron spectroscopy and density functional calculations. *Journal of the American Chemical Society*, **2008**, 130, 5167-77 16.4 92
- 366 Photoelectron spectroscopy and ab initio study of the doubly antiaromatic B(6) (2-) dianion in the LiB(6) (-) cluster. *Journal of Chemical Physics*, **2005**, 122, 54313 3.9 92
- 365 Boronyls as key structural units in boron oxide clusters: B(BO)₂⁻ and B(BO)₃⁻. *Journal of the American Chemical Society*, **2007**, 129, 9254-5 16.4 91
- 364 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. *Chemical Communications*, **2017**, 53, 1587-1590 5.8 90
- 363 Probing the structures and bonding of size-selected boron and doped-boron clusters. *Chemical Society Reviews*, **2019**, 48, 3550-3591 58.5 90
- 362 Probing the electronic structure of early transition metal oxide clusters: Molecular models towards mechanistic insights into oxide surfaces and catalysis. *Chemical Physics Letters*, **2010**, 500, 185-195 2.5 90
- 361 Beyond organic chemistry: aromaticity in atomic clusters. *Physical Chemistry Chemical Physics*, **2016**, 18, 11589-605 3.6 88
- 360 Probing the electronic properties and structural evolution of anionic gold clusters in the gas phase. *Nanoscale*, **2012**, 4, 4038-53 7.7 88
- 359 Formation of monodisperse (WO₃)₃ clusters on TiO₂(110). *Angewandte Chemie - International Edition*, **2006**, 45, 4786-9 16.4 88
- 358 Al₃O_y (y=0-8) clusters: Sequential oxidation, metal-to-oxide transformation, and photoisomerization. *Journal of Chemical Physics*, **1998**, 109, 449-458 3.9 88
- 357 Photodetachment of free hexahalogenometallate doubly charged anions in the gas phase: [ML₆]₂[M=Re, Os, Ir, Pt; L=Cl and Br]. *Journal of Chemical Physics*, **1999**, 111, 4497-4509 3.9 88
- 356 Structural evolution of doped gold clusters: MAu(x)(-) (M = Si, Ge, Sn; x = 5-8). *Journal of the American Chemical Society*, **2009**, 131, 3396-404 16.4 87
- 355 Doping the golden cage Au₁₆(-) with Si, Ge, and Sn. *Journal of the American Chemical Society*, **2007**, 129, 15136-7 16.4 87

354	Chemisorption sites of CO on small gold clusters and transitions from chemisorption to physisorption. <i>Journal of Chemical Physics</i> , 2005 , 122, 51101	3.9	87
353	Structural Transitions from Pyramidal to Fused Planar to Tubular to Core/Shell Compact in Gold Clusters: Au _n ⁻ (n = 21-25). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4190-4198	3.8	85
352	Photoelectron Spectroscopy and Electronic Structure of ScO _n ⁻ (n= 1-4) and YO _n ⁻ (n= 1-5): Strong Electron Correlation Effects in ScO ⁻ and YO ⁻ . <i>Journal of Physical Chemistry A</i> , 1998 , 102, 9129-9135	2.8	85
351	Observation of mode-specific vibrational autodetachment from dipole-bound states of cold anions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8976-9	16.4	84
350	Probing the Electronic Structure and Aromaticity of Pentapnictogen Cluster Anions P _n ⁵⁻ (P _n = P, As, Sb, and Bi) Using Photoelectron Spectroscopy and ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 5600-5606	2.8	84
349	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
348	Magnetic doping of the golden cage cluster M@Au ₁₆ (M=Fe,Co,Ni). <i>Physical Review B</i> , 2009 , 79,	3.3	82
347	Probing the electronic structure of iron clusters using photoelectron spectroscopy. <i>Chemical Physics</i> , 2000 , 262, 53-63	2.3	82
346	Experimental and theoretical investigations of CB ₈ ⁻ : towards rational design of hypercoordinated planar chemical species. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9840-9	3.6	80
345	Isomer identification and resolution in small gold clusters. <i>Journal of Chemical Physics</i> , 2010 , 132, 054305	3.9	78
344	Electron tunneling through the repulsive Coulomb barrier in photodetachment of multiply charged anions. <i>Chemical Physics Letters</i> , 1999 , 307, 391-396	2.5	78
343	Electronic structure of small titanium clusters: Emergence and evolution of the 3d band. <i>Physical Review Letters</i> , 1996 , 76, 212-215	7.4	78
342	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
341	On the structure and chemical bonding of tri-tungsten oxide clusters W ₃ O _n ⁻ and W ₃ O _n (n=7-10): W ₃ O ₈ as a potential molecular model for O-deficient defect sites in tungsten oxides. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 85-92	2.8	75
340	Electronic structure and chemical bonding of divanadium-oxide clusters (V ₂ O _x , x=3-7) from anion photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2002 , 117, 7882-7888	3.9	75
339	High-resolution photoelectron imaging of cold C _n ⁻ anions and accurate determination of the electron affinity of C _n ⁻ . <i>Journal of Chemical Physics</i> , 2014 , 140, 224315	3.9	73
338	Structural and electronic properties of small titanium clusters: A density functional theory and anion photoelectron spectroscopy study. <i>Journal of Chemical Physics</i> , 2003 , 118, 2116-2123	3.9	73
337	Observation of earlier two-to-three dimensional structural transition in gold cluster anions by isoelectronic substitution: MAu _n (⁻) (n=8-11; M=Ag,Cu). <i>Journal of Chemical Physics</i> , 2010 , 132, 114306	3.9	72

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