

Dong-Sheng Yang

List of Publications by Year in descending order

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77
papers

1,305
citations

394421

19
h-index

434195

31
g-index

78
all docs

78
docs citations

78
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-phase laser ablation synthesis of graphene quantum dots from carbon nano-onions: Comparison with chemical oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 132-140.	9.4	117
2	Pulsed-field ionization electron spectroscopy of group 6 metal (Cr, Mo, and W) bis(benzene) sandwich complexes. <i>Journal of Chemical Physics</i> , 2006, 124, 134305.	3.0	54
3	Controlled Nitrogen Doping of Graphene Quantum Dots through Laser Ablation in Aqueous Solutions for Photoluminescence and Electrocatalytic Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 6948-6959.	5.0	54
4	Zero Electron Kinetic Energy Spectroscopy and Theoretical Calculations of InNH ₃ . <i>Journal of Physical Chemistry A</i> , 2000, 104, 8178-8182.	2.5	49
5	High-Resolution Electron Spectroscopy of Gas-Phase Metal ⁺ -Aromatic Complexes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 25-33.	4.6	49
6	Pulsed-field ionization electron spectroscopy and binding energies of alkali metal-dimethyl ether and -dimethoxyethane complexes. <i>Journal of Chemical Physics</i> , 2005, 123, 014318.	3.0	42
7	Electron-spin multiplicities and molecular structures of neutral and ionic scandium-benzene complexes. <i>Journal of Chemical Physics</i> , 2005, 123, 214306.	3.0	42
8	ZEKE spectroscopy of free transition metal clusters. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 106, 153-169.	1.7	39
9	Electronic states of neutral and cationic bis(benzene) titanium and vanadium sandwich complexes studied by pulsed field ionization electron spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 114302.	3.0	38
10	La-Activated Bicyclo-oligomerization of Acetylene to Naphthalene. <i>Journal of the American Chemical Society</i> , 2016, 138, 2468-2471.	13.7	35
11	Conversion of soybean waste to sub-micron porous-hollow carbon spheres for supercapacitor via a reagent and template-free route. <i>Materials Today Energy</i> , 2019, 13, 50-55.	4.7	33
12	Photoelectron spectra of metal-containing molecules with resolutions better than 1 meV. <i>Coordination Chemistry Reviews</i> , 2001, 214, 187-213.	18.8	28
13	Soybean-derived blue photoluminescent carbon dots. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 606-619.	2.8	28
14	Zero kinetic energy spectroscopy of AlNH ₃ complex. <i>Chemical Physics Letters</i> , 1999, 313, 514-518.	2.6	26
15	A photoionization and photoelectron study of vibrational and electronic cooling in metal molecular beams. <i>Chemical Physics Letters</i> , 2002, 366, 141-146.	2.6	26
16	High-resolution electron spectroscopy and $\tilde{J}/\tilde{I}\epsilon$ structures of M(pyridine) and M ⁺ (pyridine) (M=Li, Ca, Tl) ETQq0 0 0 rgBT /Overlock 10 T	3.6	22
17	Spectroscopic Characterization of Lanthanum-Mediated Dehydrogenation and C \equiv C Bond Coupling of Ethylene. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4482-4489.	2.5	22
18	Spectroscopy and calculations of weakly bound gallium complexes with ammonia and monomethylamine. <i>Journal of Chemical Physics</i> , 2001, 115, 7968-7974.	3.0	19

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19	Metal coordination converts the tub-shaped cyclo-octatetraene into an aromatic molecule: Electronic states and half-sandwich structures of group III metal-cyclo-octatetraene complexes. <i>Journal of Chemical Physics</i> , 2009, 131, .	3.0	19
20	High-resolution electron spectroscopy and structures of lithium-nucleobase (adenine, uracil, and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7</i>	3.0	19
21	Conformational Isomers and Isomerization of Group 6 (Cr, Mo, and W) Metal ⁺ Bis(toluene) Sandwich Complexes Probed by Variable-Temperature Electron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11277-11284.	2.5	19
22	High-resolution electron spectroscopy, preferential metal-binding sites, and thermochemistry of lithium complexes of polycyclic aromatic hydrocarbons. <i>Journal of Chemical Physics</i> , 2011, 134, 024301.	3.0	19
23	Electronic states and pseudo Jahn-Teller distortion of heavy metal-monobenzene complexes: M(C ₆ H ₆) (M = Y, La, and Lu). <i>Journal of Chemical Physics</i> , 2012, 136, 134310.	3.0	19
24	Clamshell Structure of Sc(biphenyl) from High Resolution Photoelectron Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 10692-10693.	13.7	18
25	Spectroscopy and formation of lanthanum-hydrocarbon radicals formed by C ⁺ C bond cleavage and coupling of propene. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	18
26	Zero electron kinetic energy photoelectron spectroscopy of weakly bound In ⁺ NH ₂ CH ₃ , In ⁺ NH(CH ₃) ₂ , and In ⁺ N(CH ₃) ₃ complexes. <i>Journal of Chemical Physics</i> , 2001, 115, 4565-4572.	3.0	17
27	Lanthanum-Mediated C ⁺ H Bond Activation of Propyne and Identification of La(C ₃ H ₂) ₃ Isomers. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2857-2862.	2.5	17
28	Threshold Ionization and Spin-Orbit Coupling of Ceracyclopropene Formed by Ethylene Dehydrogenation. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6963-6969.	2.5	16
29	Mass-analyzed threshold ionization spectroscopy of lanthanum-hydrocarbon radicals formed by C ⁺ H bond activation of propene. <i>Journal of Chemical Physics</i> , 2017, 146, 074305.	3.0	16
30	ZEKE spectroscopy of the AgNH ₃ complex. <i>Chemical Physics Letters</i> , 2003, 372, 627-631.	2.6	14
31	A Hydrogen-Bond Stabilized Copper Complex: Cu ⁺ Ethylenediamine. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6449-6451.	2.5	14
32	Spectroscopy and Structures of Copper Complexes with Ethylenediamine and Methyl-Substituted Derivatives. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7568-7576.	2.5	14
33	Pulsed-field ionization photoelectron and IR-UV resonant photoionization spectroscopy of Al-thymine. <i>Journal of Chemical Physics</i> , 2008, 129, 124309.	3.0	14
34	Pulsed-field ionization zero electron kinetic energy spectroscopy and theoretical calculations of copper complexes: Cu ⁺ X(CH ₃) ₃ (X=N,P,As). <i>Journal of Chemical Physics</i> , 2003, 119, 5406-5413.	3.0	13
35	Pulsed-field ionization electron spectroscopy and molecular structures of copper-(pyridine) _n (n = 1, 2) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 13</i>	1.1	13
36	Electronic States and Metal ⁺ Ligand Bonding of Gadolinium Complexes of Benzene and Cyclooctatetraene. <i>Journal of Physical Chemistry A</i> , 2012, 116, 839-845.	2.5	13

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37	Threshold ionization, structural isomers, and electronic states of M ₂ O ₂ (M = Sc, Y, and La). <i>Journal of Chemical Physics</i> , 2014, 140, 224307.	3.0	13
38	Pulsed-field ionization electron spectroscopy and conformation of copper-diammonia. <i>Journal of Chemical Physics</i> , 2005, 122, 214316.	3.0	12
39	ZEKE Spectroscopy and Theoretical Calculations of Copper ⁺ Methylamine Complexes. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6697-6701.	2.5	12
40	Pulsed Field Ionization Electron Spectroscopy and Molecular Structure of Aluminum Uracil. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10567-10573.	2.5	12
41	Electronic states and spin-orbit splitting of lanthanum dimer. <i>Journal of Chemical Physics</i> , 2011, 135, 034309.	3.0	12
42	High-resolution electron spectroscopy of lanthanide (Ce, Pr, and Nd) complexes of cyclooctatetraene: The role of 4 <i>f</i> electrons. <i>Journal of Chemical Physics</i> , 2013, 138, 164307.	3.0	12
43	Spectroscopic Characterization of Nonconcerted [4 + 2] Cycloaddition of 1,3-Butadiene with Lanthanacyclopentadiene To Form Lanthanum ⁺ Benzene in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1233-1239.	2.5	12
44	Electron Spectroscopy, Molecular Structures, and Binding Energies of Al- and Cu-Imidazole. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12777-12784.	2.5	11
45	Mass-analyzed threshold ionization spectroscopy of lanthanide imide LnNH (Ln = La and Ce) radicals from N-H bond activation of ammonia. <i>Journal of Chemical Physics</i> , 2018, 149, 234301.	3.0	11
46	Zero electron kinetic energy photoelectron spectroscopy and density functional calculations of Al ⁺ P(CH ₃) ₃ and Al ⁺ As(CH ₃) ₃ . <i>Journal of Chemical Physics</i> , 2002, 116, 6589-6594.	3.0	10
47	Photoelectron and photoionization spectroscopy of weakly bound aluminum ⁺ methylamine complexes. <i>Journal of Chemical Physics</i> , 2003, 118, 8636-8644.	3.0	10
48	Binding sites, rotational conformers, and electronic states of Sc ⁺ C ₆ H ₅ X (X=F, CH ₃ ,) <i>Journal of Chemical Physics</i> , 2009, 131, 054303.	3.0	10
49	Photoelectron spectroscopy and density functional theory of puckered ring structures of Group 13 metal-ethylenediamine. <i>Journal of Chemical Physics</i> , 2004, 121, 7692.	3.0	9
50	High-Resolution Electron Spectroscopy and Rotational Conformers of Group 6 Metal (Cr, Mo, and W) Bis(mesitylene) Sandwich Complexes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13336-13344.	2.5	9
51	Threshold Ionization Spectroscopy and Theoretical Calculations of LnO (Ln = La and Ce). <i>Journal of Physical Chemistry A</i> , 2021, 125, 1941-1948.	2.5	9
52	Zero-electron-kinetic-energy photoelectron spectroscopy of transition-metal ⁺ ether complexes: Y-O(CH ₃) ₂ , Y-O(CD ₃) ₂ , Y-[O(CH ₃) ₂] ₂ , and Y-[O(CD ₃) ₂] ₂ . <i>Journal of Chemical Physics</i> , 2002, 117, 8800-8804.	3.0	8
53	Zero electron kinetic energy photoelectron spectroscopy and density functional theory calculations of gallium ⁺ methylamine complexes. <i>Journal of Chemical Physics</i> , 2003, 119, 8882-8889.	3.0	8
54	Pulsed-field ionization electron spectroscopy and ab initio calculations of copper-diazine complexes. <i>Journal of Chemical Physics</i> , 2006, 125, 014309.	3.0	8

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55	High-spin electronic states of lanthanide-arene complexes: Nd(benzene) and Nd(naphthalene). Journal of Chemical Physics, 2012, 136, 204311.	3.0	8

56 Electron Spin Multiplicities of Transition-Metal Aromatic Radicals and Ions: $M[C_6(CH_3)_3]_6$ and

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73	High-resolution electron spectroscopy and molecular structures of Cu(2,2'-bipyridine) and Cu-(4,4'-bipyridine). Canadian Journal of Chemistry, 2013, 91, 613-620.	1.1	2
74	Spectroscopy and formation of lanthanum-hydrocarbon radicals formed by C-H and C-C bond activation of 1-pentene and 2-pentene. Journal of Chemical Physics, 2018, 149, 034303.	3.0	2
75	Excited states of lutetium oxide and its singly charged cation. Journal of Chemical Physics, 2022, 156, 084303.	3.0	2
76	Zero electron kinetic energy photoelectron and threshold photoionization spectroscopy of M-X(CH ₃) ₃ (M=Ga, In; X=P, As). Canadian Journal of Chemistry, 2004, 82, 1067-1076.	1.1	1
77	High-Resolution Photoelectron Spectroscopy. , 2021, , 217-240.		0