Hui-Li Xu

List of Publications by Year
in descending order

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202	5,426	81900	114465
papers	citations	39 h-index	63 g-index

203	203	203	3069
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A chromone hydrazide Schiff base fluorescence probe with high selectivity and sensitivity for the detection and discrimination of human serum albumin (HSA) and bovine serum albumin (BSA). Journal of Photochemistry and Photobiology A: Chemistry, 2022, 422, 113576.	3.9	26
2	The role of nitro group on the excited-state relaxation mechanism of P-Z base pair. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120549.	3.9	1
3	Promotion of TH3 (T = Si and Ge) group transfer within a tetrel bond by a cationâ€“Ï€ interaction. Physical Chemistry Chemical Physics, 2022, 24, 1113-1119.	2.8	3
4	Spodium and tetrel bonds involving Zn(II)/Cd(II) and their interplay. Chemical Physics, 2022, 556, 111470.	1.9	6
5	Insight into Spodiumâ€“Ï€ Bonding Characteristics of the MX2â‹¯Ï€ (M = Zn, Cd and Hg; X = Cl, Br and I) Complexesâ€”A Theoretical Study. Molecules, 2022, 27, 2885.	3.8	4
6	AIE mechanism of 2-(2-hydroxyphenyl) benzothiazole derivatives: CASPT2 and spin-flip study. Dyes and Pigments, 2022, 204, 110396.	3.7	2
7	Resonance-assisted intramolecular triel bonds. Physical Chemistry Chemical Physics, 2022, 24, 15015-15024.	2.8	6
8	Unusual substituent effects in the TrÂ·Â·Â·Te triel bond. International Journal of Quantum Chemistry, 2021, 121, e26526.	2.0	6
9	Cooperative effects between triel and halogen bonds in complexes of pyridine derivatives: An opposite effect of the nitrogen oxidation on triel and halogen bonds. International Journal of Quantum Chemistry, 2021, 121, e26429.	2.0	6
10	A theoretical study on the excited-state deactivation paths for the Aâ€“5FU dimer. Physical Chemistry Chemical Physics, 2021, 23, 16089-16106.	2.8	3
11	Theoretical investigation of the nature of Ï€(Bî€,B)â‹¯M interactions in coinage metal Ï€-diborene complexes. New Journal of Chemistry, 2021, 45, 13380-13388.	2.8	5
12	Weak Ïƒâ€Hole Triel Bond between C 5 H 5 Tr (Tr=B, Al, Ga) and Haloethyne: Substituent and Cooperativity Effects. ChemPhysChem, 2021, 22, 481-487.	2.1	15
13	Graphitic SiC : A potential anode material for Naâ€ion battery with extremely high storage capacity. International Journal of Quantum Chemistry, 2021, 121, e26608.	2.0	2
14	Diboron Bonds Between BX 3 (X=H, F, CH 3) and BYZ 2 (Y=H, F; Z=CO, N 2 , CNH). ChemPhysChem, 2021, 22, 1461-1469.	2.1	4
15	Can metal halides be electron donors in Ïƒâ€hole and Ï€â€hole tetrel bonds? Cooperativity with an alkalineâ€earth bond. International Journal of Quantum Chemistry, 2021, 121, e26771.	2.0	1
16	Group 12 Carbonates and their Binary Complexes with Nitrogen Bases and FH 2 Z Molecules (Z=P, As,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.1	7
17	Enhancement of the Tetrel Bond by the Effects of Substituents, Cooperativity, and Electric Field: Transition from Noncovalent to Covalent Bond. ChemPhysChem, 2021, 22, 2305-2312.	2.1	6
18	A novel double target fluorescence probe for Al3+/Mg2+ detection with distinctively different responses and its applications in cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120067.	3.9	26

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19	Noncovalent bond between tetrel Ï€-hole and hydride. Physical Chemistry Chemical Physics, 2021, 23, 10536-10544.	2.8	2
20	Comparison for Electron Donor Capability of Carbon-Bound Halogens in Tetrel Bonds. ACS Omega, 2021, 6, 29037-29044.	3.5	3
21	Chalcogen Bond Involving Zinc(II)/Cadmium(II) Carbonate and Its Enhancement by Spodium Bond. Molecules, 2021, 26, 6443.	3.8	6
22	Tetrel Bonds between Phenyltrifluorosilane and Dimethyl Sulfoxide: Influence of Basis Sets, Substitution and Competition. Molecules, 2021, 26, 7231.	3.8	4
23	Comparison of triel bonds with different chalcogen electron donors: Its dependence on triel donor and methyl substitution. International Journal of Quantum Chemistry, 2020, 120, e26046.	2.0	11
24	Regular/abnormal variation in the strength and nature of the halogen bond between H₂Te and the dihalogens: Prominent effect of methyl substituents. Applied Organometallic Chemistry, 2020, 34, e5468.	3.5	3
25	The development of coumarin Schiff base system applied as highly selective fluorescent/colorimetric probes for Cu2+ and tumor biomarker glutathione detection. Dyes and Pigments, 2020, 175, 108156.	3.7	51
26	Tuning the Competition between Hydrogen and Tetrel Bonds by a Magnesium Bond. ChemPhysChem, 2020, 21, 212-219.	2.1	28
27	A highly selective colorimetric and fluorescent probe for quantitative detection of Cu2+/Co2+: The unique ON-OFF-ON fluorimetric detection strategy and applications in living cells/zebrafish. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117763.	3.9	26
28	Interactions in Model Ionic Dyads and Triads Containing Tetrel Atoms. Molecules, 2020, 25, 4197.	3.8	3
29	Novel 2â€hydroxynaphthaleneâ€based fluorescent turnâ€on sensor for highly sensitive and selective detection of Al³⁺ and its application in imaging in vitro and in vivo. Applied Organometallic Chemistry, 2020, 34, e5812.	3.5	13
30	Highly selective and sensitive chemosensor for Al(III) based on isoquinoline Schiff base. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 243, 118754.	3.9	31
31	A dual-functional fluorescent probe for sequential determination of Cu2+/S2â^' and its applications in biological systems. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 243, 118797.	3.9	26
32	A novel hydrazide Schiff base self-assembled nanoprobe for selective detection of human serum albumin and its applications in renal disease surveillance. Journal of Materials Chemistry B, 2020, 8, 8346-8355.	5.8	26
33	Synergistic and Diminutive Effects between Regium and Aerogen Bonds. ChemPhysChem, 2020, 21, 2426-2431.	2.1	17
34	Effect of carbon hybridization in Câ€”F bond as an electron donor in triel bonds. Journal of Chemical Physics, 2020, 153, 074304.	3.0	6
35	Reliable Comparison of Pnicogen, Chalcogen, and Halogen Bonds in Complexes of 6-OXF2-Fulvene (X =) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	8
36	Modulation engineering of in situ cathodic activation of FeP_x based on W-incorporation for the hydrogen evolution reaction. Nanoscale, 2020, 12, 12364-12373.	5.6	11

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37	Bioinspired surface with special wettability for liquid transportation and separation. Sustainable Materials and Technologies, 2020, 25, e00175.	3.3	15
38	Complexes of HArF and AuX (X = F, Cl, Br, I). Comparison of Hâ€bonds, halogen bonds, Fâ€shared bonds and covalent bonds. Applied Organometallic Chemistry, 2020, 34, e5891.	3.5	6
39	Is the Fourier Transform Infrared Free-OH Band of t-Butanol Only from Free OHs? Case Studies on the Binary Systems of the Alcohol with CCl₄ and CHCl₃. Journal of Physical Chemistry A, 2020, 124, 6177-6185.	2.5	17
40	Xeâ‹¯chalcogen aerogen bond. Effect of substituents and size of chalcogen atom. Physical Chemistry Chemical Physics, 2020, 22, 4115-4121.	2.8	11
41	The Ï€â€hole tetrel bond between <scp>X₂TO</scp> and <scp>CO₂</scp>: Substituent effects and its potential adsorptivity for <scp>CO₂</scp>. International Journal of Quantum Chemistry, 2020, 120, e26251.	2.0	15
42	Competition between Ïƒ-hole pnicogen bond and Ï€-hole tetrel bond in complexes of CF₂=CFZH₂ (Zâ€‰=â€‰P, As, and Sb). Molecular Physics, 2019, 117, 251-259.	1.7	15
43	Coinage-Metal Bond between [1.1.1]Propellane and M2/MCl/MCH3 (M = Cu, Ag, and Au): Cooperativity and Substituents. Molecules, 2019, 24, 2601.	3.8	14
44	The ability of a tetrel bond to transition a neutral amino acid into a zwitterion. Chemical Physics Letters, 2019, 731, 136584.	2.6	9
45	Systematic study of the substitution effect on the tetrel bond between 1,4-diazabicyclo[2.2.2]octane and TH₃X. RSC Advances, 2019, 9, 18459-18466.	3.6	6
46	Coinage metal dimers as the noncovalent interaction acceptors: study of the Ïƒ-lump interactions. Physical Chemistry Chemical Physics, 2019, 21, 21152-21161.	2.8	11
47	A bioinspired hybrid membrane with wettability and topology anisotropy for highly efficient fog collection. Journal of Materials Chemistry A, 2019, 7, 124-132.	10.3	93
48	Comparison between Hydrogen and Halogen Bonds in Complexes of 6â€OXâ€Fulvene with Pnicogen and Chalcogen Electron Donors. ChemPhysChem, 2019, 20, 1978-1984.	2.1	16
49	A dual functional turn-on non-toxic chemosensor for highly selective and sensitive visual detection of Mg²⁺ and Zn²⁺: the solvent-controlled recognition effect and bio-imaging application. Analyst, The, 2019, 144, 4024-4032.	3.5	53
50	Tetrel Bond between 6-OTX3-Fulvene and NH3: Substituents and Aromaticity. Molecules, 2019, 24, 10.	3.8	26
51	Synergistic and diminutive effects between triel bond and regium bond: Attractive interactions between Ï€â€hole and Ïƒâ€hole. Applied Organometallic Chemistry, 2019, 33, e4806.	3.5	25
52	Comparison of Ïƒâ€hole and Ï€â€hole tetrel bonds in complexes of borazine with TH₃F and F₂TO/H₂TO (Tâ€‰=â€‰C, Si, Ge). International Journal of Quantum Chemistry, 2019, 119, e25910.	2.0	19
53	A high performance 2-hydroxynaphthalene Schiff base fluorescent chemosensor for Al3+ and its applications in imaging of living cells and zebrafish in vivo. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 207, 31-38.	3.9	60
54	Carbene triel bonds between TrR 3 (Trâ€‰=â€‰B, Al) and Nâ€heterocyclic carbenes. International Journal of Quantum Chemistry, 2019, 119, e25867.	2.0	27

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55	Comparison of Ïƒâ€¦Ïâ€¦Hole Tetrel Bonds between TH₃F/F₂TO and H₂CX (X=O, S, Se). ChemPhysChem, 2019, 20, 627-635.	2.1	28
56	Effect of Magnesium Bond on the Competition Between Hydrogen and Halogen Bonds and the Induction of Proton and Halogen Transfer. ChemPhysChem, 2018, 19, 1456-1464.	2.1	11
57	Highly selective and sensitive turn-on fluorescent sensor for detection of Al3+ based on quinoline-base Schiff base. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 157-164.	3.9	82
58	Nature of MoHÂ·Â·Â·I bonds in Cp₂Mo(L)HÂ·Â·Â·Iâ€Câ‰¡Câ€R Complexes (L=H, CN, PPh₂,) Tj ETQq0 0 0 rgBT Applied Organometallic Chemistry, 2018, 32, e4258.	3.5	4
59	Comparison for Ïƒ-hole and Ï€-hole tetrel-bonded complexes involving F 2 C CFTF 3 (T C, Si, and Ge): Substitution, hybridization, and solvation effects. Journal of Fluorine Chemistry, 2018, 207, 38-44.	1.7	16
60	Abnormal Tetrel Bonds between Formamidine and TH₃F: Substituent Effects. ChemistrySelect, 2018, 3, 2842-2849.	1.5	9
61	Theoretical assessing on the coordination mode and bonding in heteronuclear groupâ€13 dimetallocene. International Journal of Quantum Chemistry, 2018, 118, e25461.	2.0	1
62	Comparison for Ïƒ-hole and Ï€-hole tetrel-bonded complexes involving cyanoacetaldehyde. Molecular Physics, 2018, 116, 222-230.	1.7	22
63	The Ïâ€¦Tetrel Bond and its Influence on Hydrogen Bonding and Proton Transfer. ChemPhysChem, 2018, 19, 736-743.	2.1	46
64	Understanding the effects of vicinal carbon substituents and configuration on organofluorine hydrogen-bonding interaction. RSC Advances, 2018, 8, 38980-38986.	3.6	3
65	Comparison of halide donators based on piÂ·Â·Â·M (Mâ€‰=â€‰Cu, Ag, Au), piÂ·Â·Â·H and piÂ·Â·Â·halogen bonds. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	9
66	Carbon Excess C₃N: A Potential Candidate as Li-Ion Battery Material. ACS Applied Materials & Interfaces, 2018, 10, 37135-37141.	8.0	44
67	Trielâ€“hydride triel bond between ZX₃ (Z = B and Al; X = H and Me) and THMe₃ (T) Tj ETQq1 1 0.784314 rgB	3.5	14
68	Comparative Strengths of Tetrel, Pnicogen, Chalcogen, and Halogen Bonds and Contributing Factors. Molecules, 2018, 23, 1681.	3.8	69
69	Cooperative effects between Ï€-hole triel and Ï€-hole chalcogen bonds. RSC Advances, 2018, 8, 26580-26588.	3.6	33
70	Tetrel bonds between PhSiF₃/PhTH₃ (Tâ€‰=â€‰Si, Ge, Sn) and H₃ZO (Zâ€‰=â€‰N,) Tj ETQ e25660.	2.0	4
71	Nonlinear optical properties of aluminum nitride nanotubes doped by excess electron: a first principle study. Journal of Molecular Modeling, 2018, 24, 205.	1.8	7
72	Dual function of the boron center of BH(CO)2/BH(N2)2 in halogen- and triel-bonded complexes with hypervalent halogens. Journal of Molecular Graphics and Modelling, 2018, 84, 118-124.	2.4	8

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73	Comparison of tetrel bonds in neutral and protonated complexes of pyridineTF₃and furanTF₃(T = C, Si, and Ge) with NH₃. Physical Chemistry Chemical Physics, 2017, 19, 5550-5559.	2.8	98
74	Interplay between the Ïƒ-tetrel bond and Ïƒ-halogen bond in PhSiF₃â‹¯4-iodopyridineâ‹¯N-base. RSC Advances, 2017, 7, 21713-21720.	3.6	26
75	Carbene tetrel-bonded complexes. Structural Chemistry, 2017, 28, 823-831.	2.0	47
76	Comparison of hydrogen and halogen bonds between dimethyl sulfoxide and hypohalous acid: competition and cooperativity. Molecular Physics, 2017, 115, 1614-1623.	1.7	17
77	Regulation of coin metal substituents and cooperativity on the strength and nature of tetrel bonds. RSC Advances, 2017, 7, 46321-46328.	3.6	20
78	The ground and excited-state electronic structures of sandwich compounds Cp2(ME)2 contain an (ME)2 four-membered ring (Cp = C5H5; M = Ni, Pd, Pt; E = O, S, Se, Te). New Journal of Chemistry, 2017, 41, 12028-12034.	2.8	3
79	The insertion and H2 elimination reactions of H2GeFMgF germylenoid with RH (R = Cl, SH, PH2). Russian Journal of Physical Chemistry A, 2017, 91, 1660-1668.	0.6	2
80	Comparison of Ïƒâ€Hole and Ï€â€Hole Tetrel Bonds Formed by Pyrazine and 1,4â€Dicyanobenzene: The Interplay between Anionâ€“Ï€ and Tetrel Bonds. ChemPhysChem, 2017, 18, 2442-2450.	2.1	38
81	Prominent enhancing effects of substituents on the strength of Ï€Â·Â·Â·Ïƒâ€hole tetrel bond. International Journal of Quantum Chemistry, 2017, 117, e25448.	2.0	21
82	Intramolecular Siâ‹…â‹…â‹…O Tetrel Bonding: Tuning of Substituents and Cooperativity. ChemistrySelect, 2017, 2, 11104-11112.	1.5	8
83	Origin of seleniumâ€“gold interaction in F2CSeâ‹¯AuY (Y = CN, F, Cl, Br, OH, and CH3): Synergistic effects. Journal of Chemical Physics, 2016, 144, 114306.	3.0	7
84	Tetrel bond of pseudohalide anions with XH3F (X = C, Si, Ge, and Sn) and its role in SN2 reaction. Journal of Chemical Physics, 2016, 145, 224310.	3.0	68
85	Influence of the protonation of pyridine nitrogen on pnicogen bonding: competition and cooperativity. Physical Chemistry Chemical Physics, 2016, 18, 11348-11356.	2.8	16
86	Novel Zn(<scp>ii</scp>)-thiazolone-based solid fluorescent chemosensors: naked-eye detection for acid/base and toluene. RSC Advances, 2016, 6, 52310-52317.	3.6	3
87	Theoretical prediction on the addition reaction of germylenoid H₂GeFMgF with ethylene. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650022.	1.8	4
88	Structures of the germylenoid H2GeZnCl2 and its addition reactions with ethylene. Structural Chemistry, 2016, 27, 1819-1829.	2.0	5
89	Comparison of tetrel bonds and halogen bonds in complexes of DMSO with ZF₃X (Z = C) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	19
90	Modulating the strength of tetrel bonding through beryllium bonding. Journal of Molecular Modeling, 2016, 22, 192.	1.8	28

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91	Dinuclear first-row transition metalâ€“(C8Me6)2complexes: metalâ€“metal and metalâ€“ligand bonds determined by the d electron configuration of the metal atom. New Journal of Chemistry, 2016, 40, 1988-1996.	2.8	9
92	Theoretical study of the cooperative effects between the triel bond and the pnicogen bond in BF3Â·Â·Â·NCXH2Â·Â·Â·Y (X = P, As, Sb; Y = H2O, NH3) complexes. Journal of Molecular Modeling, 2016, 22, 10.	1.8	29
93	Comparison of hydrogen, halogen, and tetrel bonds in the complexes of HArF with YH₃X (X = halogen, Y = C and Si). RSC Advances, 2016, 6, 19136-19143.	3.6	28
94	Tetrel bonds between PySiX3 and some nitrogenated bases: Hybridization, substitution, and cooperativity. Journal of Molecular Graphics and Modelling, 2016, 65, 35-42.	2.4	36
95	The aerogenâ€“Ï€ bonds involving Ï€ systems. Chemical Physics Letters, 2016, 651, 50-55.	2.6	33
96	Resveratrol Ameliorates Diabetes-Induced Cardiac Dysfunction Through AT1R-ERK/p38 MAPK Signaling Pathway. Cardiovascular Toxicology, 2016, 16, 130-137.	2.7	57
97	Complicated synergistic effects between metalâ€“Ï€ interaction and halogen bonding involving MCCX. RSC Advances, 2015, 5, 105160-105168.	3.6	6
98	Influence of substituents on the nature of metalâ‹¯Ï€ interaction and its cooperativity with halogen bond. Journal of Chemical Physics, 2015, 143, 054308.	3.0	14
99	Theoretical prediction on the insertion reactions of the germylenoid H2GeLiF with GeH3X (X = F, Cl,) Tj ETQq1 1 0.784314 rgBT /Over	0.6	3
100	Monolayer Ti₂CO₂: A Promising Candidate for NH₃ Sensor or Capturer with High Sensitivity and Selectivity. ACS Applied Materials & Interfaces, 2015, 7, 13707-13713.	8.0	524
101	Influence of F and Se substitution on the structures, stabilities and nature of the complexes between F₂CSe and HOX (X = F, Cl, Br, and I). RSC Advances, 2015, 5, 52667-52675.	3.6	7
102	How do organic gold compounds and organic halogen molecules interact? Comparison with hydrogen bonds. RSC Advances, 2015, 5, 12488-12497.	3.6	18
103	The dual role of pnicogen as Lewis acid and base and the unexpected interplay between the pnicogen bond and coordination interaction in H₃Nâ‹¯FH₂Xâ‹¯MCN (X = P and As; M = Cu, Ag,) Tj ETQq1 1 0.784314 rg	2.8	28
104	Novel pnicogen bonding interactions with silylene as an electron donor: covalency, unusual substituent effects and new mechanisms. Physical Chemistry Chemical Physics, 2015, 17, 9153-9160.	2.8	18
105	Interplay between Cationâ€“Ï€ and Coinageâ€“Metalâ€“Oxygen Interactions: An Ab Initio Study and Cambridge Structural Database Survey. ChemPhysChem, 2015, 16, 1008-1016.	2.1	9
106	Structure and magnetic properties of open-ended silicon carbide nanotubes. RSC Advances, 2015, 5, 52754-52758.	3.6	2
107	Structure ofH₂GeFMgFand its insertion reactions withRH(R=F,OH,NH₂). Journal of Theoretical and Computational Chemistry, 2015, 14, 1550004.	1.8	6
108	SeÂ·Â·Â·N Chalcogen Bond and SeÂ·Â·Â·X Halogen Bond Involving F₂Câ•Se: Influence of Hybridization, Substitution, and Cooperativity. Journal of Physical Chemistry A, 2015, 119, 3518-3527.	2.5	45

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109	Theoretical prediction on H2 elimination reactions of H2GeLiF with RH (R = Cl, SH, and PH2). Russian Journal of Physical Chemistry A, 2015, 89, 812-817.	0.6	2
110	The band gap modulation of monolayer Ti₂CO₂ by strain. RSC Advances, 2015, 5, 30438-30444.	3.6	82
111	Beryllium decorated armchair BC2N nanoribbons: coexistence of planar tetracoordinate carbon and nitrogen moieties. RSC Advances, 2015, 5, 73945-73950.	3.6	8
112	Abnormal synergistic effects between Lewis acidâ€“base interaction and halogen bond in F₃BÂ·Â·Â·NCXÂ·Â·Â·NCM. Molecular Physics, 2015, 113, 3809-3814.	1.7	23
113	Theoretical study of synergistic effects between anionâ€“Ï€ and metalâ€“Lp interactions. RSC Advances, 2015, 5, 76912-76918.	3.6	5
114	Competition between halogen bond and hydrogen bond in complexes of superalkali Li₃S and halogenated acetylene XCCH (Xâ€‰=â€‰F, Cl, Br, and I). International Journal of Quantum Chemistry, 2015, 115, 99-105.	2.0	9
115	Competition and cooperativity between tetrel bond and chalcogen bond in complexes involving F2CX (X = Se and Te). Chemical Physics Letters, 2015, 620, 7-12.	2.6	103
116	Prediction and characterization of halogen bonds involving formamidine and its derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 195-202.	3.9	5
117	Tetrelâ€“Hydride Interaction between XH₃F (X = C, Si, Ge, Sn) and HM (M = Li, Na, BeH, MgH). Journal of Physical Chemistry A, 2015, 119, 2217-2224.	2.5	79
118	Halogen bonds with N-heterocyclic carbenes as halogen acceptors: a partially covalent character. Molecular Physics, 2014, 112, 3024-3032.	1.7	29
119	Non-additivity between substitution and cooperative effects in enhancing hydrogen bonds. Journal of Chemical Physics, 2014, 141, 244305.	3.0	11
120	Cooperative and Diminutive Effects of Pnicogen Bonds and Cationâ€“Ï€ Interactions. ChemPhysChem, 2014, 15, 500-506.	2.1	38
121	A quantum chemical study of the structures, stability, and spectroscopy of halogen- and hydrogen-boned complexes between cyanoacetaldehyde and hypochlorous acids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 157-163.	3.9	7
122	Mutual influence between covalent and noncovalent interactions in H₃Nâ€“MCNâ€“XF (X = H,) Tj ETQq0 0 0 rgBT /Overloc	1.7	3
123	Influence of the nature of hydrogen halides and metal cations on the interaction types between borazine and hydrogen halides. Journal of Molecular Modeling, 2014, 20, 2089.	1.8	3
124	Novel non-covalent interactions involved with the Al₁₃M cluster (M = Li, Na, K, Cu, Ag,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	3
125	Interplay between tetrel bonding and hydrogen bonding interactions in complexes involving F2XO (X=C and Si) and HCN. Computational and Theoretical Chemistry, 2014, 1050, 51-57.	2.5	55
126	Is Ï€ halogen bonding or lone pairâ‹¯Ï€ interaction formed between borazine and some halogenated compounds?. Physical Chemistry Chemical Physics, 2014, 16, 159-165.	2.8	30

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127	Hydrogen bonding involved with superhalogen MX2NY: its influence on the structure and stability of the superhalogen. Molecular Physics, 2014, 112, 1947-1953.	1.7	3
128	Novel CXâ‹Ï€ halogen bonds in complexes of acetylene and its derivatives of Na and MPH3 (M=Cu, Ag, Au) with XCCF (X=Cl, Br, I). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 10-15.	3.9	4
129	Substitution reactions of H2GeFBeF with RH (R = F, OH, NH2): A theoretical study. Russian Journal of Physical Chemistry A, 2014, 88, 1097-1102.	0.6	10
130	Complexes between hypohalous acids and phosphine derivatives. Pnicogen bond versus halogen bond versus hydrogen bond. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 271-277.	3.9	33
131	A Ïƒ-hole interaction with radical species as electron donors: does single-electron tetrel bonding exist?. Physical Chemistry Chemical Physics, 2014, 16, 11617-11625.	2.8	113
132	Is a MH (M = Be and Mg) radical a better electron donor in halogenâ€¦hydride interaction?: A theoretical comparison with HMH. International Journal of Quantum Chemistry, 2013, 113, 1293-1298.	2.0	6
133	Interplay between Metalâ‹…â‹…â‹…Ï€ Interactions and Hydrogen Bonds: Some Unusual Synergetic Effects of Coinage Metals and Substituents. ChemPhysChem, 2013, 14, 3341-3347.	2.1	14
134	Spin-orbit ab initio investigation of the photodissociation of C2H5Br. Structural Chemistry, 2013, 24, 1591-1595.	2.0	2
135	Competition between hydrogen bonds and halogen bonds in complexes of formamidine and hypohalous acids. Journal of Molecular Modeling, 2013, 19, 4529-4535.	1.8	24
136	A new interaction mechanism of LiNH2 with MgH2: magnesium bond. Journal of Molecular Modeling, 2013, 19, 247-253.	1.8	24
137	Effect of superalkali substituents on the strengths and properties of hydrogen and halogen bonds. Journal of Molecular Modeling, 2013, 19, 1311-1318.	1.8	7
138	Competition of hydrogen, halogen, and pnicogen bonds in the complexes of HArF with XH2P (X=F, Cl,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.9	28
139	Influence of cooperativity on the frequency shift of the Arâ€“H stretch vibration in HArF complexes. Molecular Physics, 2013, 111, 497-504.	1.7	8
140	Influence of insertion of a noble gas atom on halogen bonding in H2OÂ·Â·Â·XCCNgF and H3NÂ·Â·Â·XCCNgF (XÂ=ÂCl and Br; NgÂ=ÂAr, Kr, and Xe) complexes. Structural Chemistry, 2013, 24, 25-31.	2.0	5
141	THEORETICAL INVESTIGATION ON THE INSERTION REACTIONS OF THE GERMYLENOIDH₂GeLiFWITHRH(R=Cl,SH)<font> Journal of Theoretical and Computational Chemistry, 2013, 12, 1350003.	1.8	10
142	THEORETICAL STUDY ON HBeP- AND HPBe- ANIONS USING MULTICONFIGURATION SECOND-ORDER PERTURBATION THEORY. Journal of Theoretical and Computational Chemistry, 2012, 11, 1281-1288.	1.8	0
143	Competition between hydrogen bond and Ïƒ-hole interaction in SCS-HArF and SeCSe-HArF complexes. Molecular Physics, 2012, 110, 2969-2975.	1.7	2
144	Substitution, cooperative, and solvent effects on Ï€ pnicogen bonds in the FH2P and FH2As complexes. Journal of Molecular Modeling, 2012, 18, 4325-4332.	1.8	56

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147	Competition of chalcogen bond, halogen bond, and hydrogen bond in SCSHOX and SeCSeHOX (X=Cl) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	72
148	Mediated effect of substitutes on the strength of both types of hydrogen bonds formed between HNgF (Ng=He, Ar, Kr) and HCCX (X=H, F, Cl, Br, I, At, and CH3). Computational and Theoretical Chemistry, 2012, 992, 150-155.	2.5	4
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