

Hui-Li Xu

List of Publications by Year in descending order

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202
papers

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citations

81743

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docs citations

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times ranked

3069
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer TiO_2/CO_2 : A Promising Candidate for NH_3 Sensor or Capturer with High Sensitivity and Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13707-13713.	4.0	524
2	The Role of Methyl Groups in the Formation of Hydrogen Bond in DMSO-Methanol Mixtures. <i>Journal of the American Chemical Society</i> , 2006, 128, 1438-1439.	6.6	183
3	Cooperativity between the Halogen Bond and the Hydrogen Bond in $\text{H}_3\text{N}^+\cdots\text{XY}^-\cdots\text{HF}$ Complexes (X, Y=F, Cl, Br). <i>ChemPhysChem</i> , 2008, 9, 2265-2269.	1.0	152
4	Concerted Interaction between Pnictogen and Halogen Bonds in $\text{XCl}_2\text{FH}_2/\text{Pi}^-\text{NH}_3$ (X=F, OH, CN, NC, and FCC). <i>ChemPhysChem</i> , 2012, 13, 1205-1212.	1.0	124
5	A π -hole interaction with radical species as electron donors: does single-electron tetrel bonding exist?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11617-11625.	1.3	113
6	Excess Infrared Absorption Spectroscopy and its Applications in the Studies of Hydrogen Bonds in Alcohol-Containing Binary Mixtures. <i>Applied Spectroscopy</i> , 2008, 62, 166-170.	1.2	109
7	Competition and cooperativity between tetrel bond and chalcogen bond in complexes involving F_2CX (X = Se and Te). <i>Chemical Physics Letters</i> , 2015, 620, 7-12.	1.2	103
8	Comparison of tetrel bonds in neutral and protonated complexes of pyridine/ TF_3 and furan/ TF_3 (T = C, Si, and Ge) with NH_3 . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5550-5559.	1.3	98
9	A bioinspired hybrid membrane with wettability and topology anisotropy for highly efficient fog collection. <i>Journal of Materials Chemistry A</i> , 2019, 7, 124-132.	5.2	93
10	Competition between hydrogen bond and halogen bond in complexes of formaldehyde with hypohalous acids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6837.	1.3	92
11	The band gap modulation of monolayer TiO_2/CO_2 by strain. <i>RSC Advances</i> , 2015, 5, 30438-30444.	1.7	82
12	Highly selective and sensitive turn-on fluorescent sensor for detection of Al^{3+} based on quinoline-base Schiff base. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 195, 157-164.	2.0	82
13	Cooperativity between $\text{OH}\cdots\text{O}$ and $\text{CH}\cdots\text{O}$ Hydrogen Bonds Involving Dimethyl Sulfoxide- H_2O Complex. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10166-10169.	1.1	81
14	Tetrel-Hydride Interaction between XH_3/F (X = C, Si, Ge, Sn) and HM (M = Li, Na, BeH, MgH). <i>Journal of Physical Chemistry A</i> , 2015, 119, 2217-2224.	1.1	79
15	Pnictogen-Hydride Interaction between FH_2/X (X = P and As) and HM (M = ZnH, BeH, MgH, Li.) <i>Tj ETQq1 1 0.784314 rgBT</i>	1.1	75
16	Competition of chalcogen bond, halogen bond, and hydrogen bond in SCSHOX and SeCSeHOX (X=Cl) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.1	72
17	Comparative Strengths of Tetrel, Pnictogen, Chalcogen, and Halogen Bonds and Contributing Factors. <i>Molecules</i> , 2018, 23, 1681.	1.7	69
18	Tetrel bond of pseudohalide anions with XH_3/F (X = C, Si, Ge, and Sn) and its role in SN_2 reaction. <i>Journal of Chemical Physics</i> , 2016, 145, 224310.	1.2	68

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19	Some measures for making halogen bonds stronger than hydrogen bonds in $H_2CS_2 \cdots HOX$ ($X = F, Cl, Br, I$) complexes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10784-10791.	1.3	66
20	Prediction and characterization of the $HMgH \cdots LiX$ ($X = H, OH, F, CCH, CN, \text{ and } NC$) complexes: a lithium-hydride lithium bond. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2402.	1.3	64
21	Interplay between halogen bond and lithium bond in $MCN \cdots LiCN \cdots XCCH$ ($M = H, Li, \text{ and } Na; X = Cl, Br, \text{ and } I$) complex: The enhancement of halogen bond by a lithium bond. <i>Journal of Computational Chemistry</i> , 2011, 32, 3296-3303.	1.5	61
22	A high performance 2-hydroxynaphthalene Schiff base fluorescent chemosensor for Al^{3+} and its applications in imaging of living cells and zebrafish in vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 207, 31-38.	2.0	60
23	An unconventional halogen bond with carbene as an electron donor: An ab initio study. <i>Chemical Physics Letters</i> , 2009, 469, 48-51.	1.2	58
24	Resveratrol Ameliorates Diabetes-Induced Cardiac Dysfunction Through $AT1R$ -ERK/p38 MAPK Signaling Pathway. <i>Cardiovascular Toxicology</i> , 2016, 16, 130-137.	1.1	57
25	Cooperativity between two types of hydrogen bond in $H_3C \cdots HCN \cdots HCN$ and $H_3C \cdots HNC \cdots HNC$ complexes. <i>Journal of Chemical Physics</i> , 2008, 128, 154102.	1.2	56
26	Substitution, cooperative, and solvent effects on π -pnictogen bonds in the FH_2P and FH_2As complexes. <i>Journal of Molecular Modeling</i> , 2012, 18, 4325-4332.	0.8	56
27	Interplay between tetrel bonding and hydrogen bonding interactions in complexes involving F_2XO ($X = C \text{ and } Si$) and HCN . <i>Computational and Theoretical Chemistry</i> , 2014, 1050, 51-57.	1.1	55
28	Influence of Substitution, Hybridization, and Solvent on the Properties of $C \cdots HO$ Single-Electron Hydrogen Bond in $CH_3 \cdots H_2O$ Complex. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5258-5263.	1.1	53
29	A dual functional turn-on non-toxic chemosensor for highly selective and sensitive visual detection of Mg^{2+} and Zn^{2+} : the solvent-controlled recognition effect and bio-imaging application. <i>Analyst</i> , 2019, 144, 4024-4032.	1.7	53
30	The development of coumarin Schiff base system applied as highly selective fluorescent/colorimetric probes for Cu^{2+} and tumor biomarker glutathione detection. <i>Dyes and Pigments</i> , 2020, 175, 108156.	2.0	51
31	Cooperativity between the Dihydrogen Bond and the $N \cdots HC$ Hydrogen Bond in $LiH \cdots (HCN)_n$ Complexes. <i>ChemPhysChem</i> , 2008, 9, 1942-1946.	1.0	47
32	Spectroscopic and theoretical evidence for the cooperativity between red-shift hydrogen bond and blue-shift hydrogen bond in DMSO aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 211-215.	2.0	47
33	Carbene tetrel-bonded complexes. <i>Structural Chemistry</i> , 2017, 28, 823-831.	1.0	47
34	The π -tetrel Bond and its Influence on Hydrogen Bonding and Proton Transfer. <i>ChemPhysChem</i> , 2018, 19, 736-743.	1.0	46
35	Regulating Function of Methyl Group in Strength of $CH_3 \cdots O$ Hydrogen Bond: A High-Level Ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3985-3990.	1.1	45
36	$Se \cdots N$ Chalcogen Bond and $Se \cdots X$ Halogen Bond Involving F_2C_2 : Influence of Hybridization, Substitution, and Cooperativity. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3518-3527.	1.1	45

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37	Carbon Excess C ₃ N: A Potential Candidate as Li-Ion Battery Material. ACS Applied Materials & Interfaces, 2018, 10, 37135-37141.	4.0	44
38	Ab Initio Study of Lithium-Bonded Complexes with Carbene as an Electron Donor. Journal of Physical Chemistry A, 2009, 113, 14156-14160.	1.1	43
39	The Prominent Enhancing Effect of the Cation-π Interaction on the Halogen-Hydride Halogen Bond in M ⁺ ...C ₆ H ₅ X...HM ²⁺ . ChemPhysChem, 2011, 12, 2289-2295.	1.0	41
40	Cooperative and Diminutive Effects of Pnictogen Bonds and Cation-π Interactions. ChemPhysChem, 2014, 15, 500-506.	1.0	38
41	Comparison of σ-Hole and π-Hole Tetrel Bonds Formed by Pyrazine and 1,4-Dicyanobenzene: The Interplay between Anion-π and Tetrel Bonds. ChemPhysChem, 2017, 18, 2442-2450.	1.0	38
42	Tetrel bonds between PySiX ₃ and some nitrogenated bases: Hybridization, substitution, and cooperativity. Journal of Molecular Graphics and Modelling, 2016, 65, 35-42.	1.3	36
43	Prominent Effect of Alkali Metals in Halogen-Bonded Complex of MCCBr ⁺ NCM ²⁻ (M and M ²⁺ = H, Li, Na, F,) Tj ETQq1 1 0,784314 g	1.1	34
44	Complexes between hypohalous acids and phosphine derivatives. Pnictogen bond versus halogen bond versus hydrogen bond. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 271-277.	2.0	33
45	The aerogen-π bonds involving π systems. Chemical Physics Letters, 2016, 651, 50-55.	1.2	33
46	Cooperative effects between π-hole triel and π-hole chalcogen bonds. RSC Advances, 2018, 8, 26580-26588.	1.7	33
47	Ab initio study of the cooperativity between NH ₃ and NH ₃ -C hydrogen bonds in H ₃ N ⁺ ...HNC ⁻ ...HNC complex. Theoretical Chemistry Accounts, 2010, 127, 303-309.	0.5	32
48	Competition and cooperativity between hydrogen bond and halogen bond in HNC ⁻ (HOBr) _n and (HNC) _n ...HOBr (n=1 and 2) systems. Computational and Theoretical Chemistry, 2011, 963, 417-421.	1.1	31
49	Prediction and characterization of a chalcogen-hydride interaction with metal hybrids as an electron donor in F ₂ CS ⁺ HM and F ₂ CSe ⁺ HM (M = Li, Na, BeH, MgH, MgCH ₃) complexes. Physical Chemistry Chemical Physics, 2012, 14, 3025.	1.3	31
50	Highly selective and sensitive chemosensor for Al(III) based on isoquinoline Schiff base. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 243, 118754.	2.0	31
51	Is π halogen bonding or lone pair-π interaction formed between borazine and some halogenated compounds?. Physical Chemistry Chemical Physics, 2014, 16, 159-165.	1.3	30
52	Surprising enhancing effect of methyl group on the strength of O ⁻ XF and S ⁻ XF (X=Cl and Br) halogen bonds. Journal of Chemical Physics, 2010, 133, 114303.	1.2	29
53	Halogen bonds with N-heterocyclic carbenes as halogen acceptors: a partially covalent character. Molecular Physics, 2014, 112, 3024-3032.	0.8	29
54	Theoretical study of the cooperative effects between the triel bond and the pnictogen bond in BF ₃ ...NCXH ₂ ...Y (X = P, As, Sb; Y = H ₂ O, NH ₃) complexes. Journal of Molecular Modeling, 2016, 22, 10.	0.8	29

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55	Cooperative and substitution effects in enhancing strengths of halogen bonds in FClâ€³CNX complexes. <i>Journal of Chemical Physics</i> , 2012, 137, 084314.	1.2	28
56	Competition of hydrogen, halogen, and pnicoen bonds in the complexes of HARF with XH2P (X=F, Cl,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.0	28
57	Modulating the strength of tetrel bonding through beryllium bonding. <i>Journal of Molecular Modeling</i> , 2016, 22, 192.	0.8	28
58	Comparison of hydrogen, halogen, and tetrel bonds in the complexes of HARF with YH₃X (X = halogen, Y = C and Si). <i>RSC Advances</i> , 2016, 6, 19136-19143.	1.7	28
59	Comparison of ĩfâ€³hole Tetrel Bonds between TH₃F/F₂TO and H₂CX (X=O, S, Se). <i>ChemPhysChem</i> , 2019, 20, 627-635.	1.0	28
60	Tuning the Competition between Hydrogen and Tetrel Bonds by a Magnesium Bond. <i>ChemPhysChem</i> , 2020, 21, 212-219.	1.0	28
61	Carbene triel bonds between TrR 3 (Trâ€³=â€³B, Al) and Nâ€³heterocyclic carbenes. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25867.	1.0	27
62	Influence of Hybridization and Cooperativity on the Properties of Au-Bonding Interaction: Comparison with Hydrogen Bonds. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2853-2858.	1.1	26
63	Interplay between the ĩf-tetrel bond and ĩf-halogen bond in PhSiF₃â€³4-iodopyridineâ€³N-base. <i>RSC Advances</i> , 2017, 7, 21713-21720.	1.7	26
64	Tetrel Bond between 6-OTX3-Fulvene and NH3: Substituents and Aromaticity. <i>Molecules</i> , 2019, 24, 10.	1.7	26
65	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117763.	2.0	26
66	A dual-functional fluorescent probe for sequential determination of Cu2+/S2â€³ and its applications in biological systems. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 243, 118797.	2.0	26
67	A novel hydrazide Schiff base self-assembled nanoprobe for selective detection of human serum albumin and its applications in renal disease surveillance. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8346-8355.	2.9	26
68	A novel double target fluorescence probe for Al3+/Mg2+ detection with distinctively different responses and its applications in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120067.	2.0	26
69	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). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113576.	2.0	26
70	The dual role of pnicoen as Lewis acid and base and the unexpected interplay between the pnicoen bond and coordination interaction in H₃Nâ€³FH₂Xâ€³MCN (X = P and As; M = Cu, Ag,) Tj ETQq0 0 0 rgBT /Over	2.0	26
71	Synergistic and diminutive effects between triel bond and regium bond: Attractive interactions between ĩcâ€³hole and ĩfâ€³hole. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4806.	1.7	25
72	Theoretical study on the cooperativity of hydrogen bonds in (HNC)2â€³HF complexes. <i>Computational and Theoretical Chemistry</i> , 2009, 896, 112-115.	1.5	24

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73	The single-electron hydrogen, lithium, and halogen bonds with HBe, H2B, and H3C radicals as the electron donor: an ab initio study. <i>Structural Chemistry</i> , 2012, 23, 411-416.	1.0	24
74	Competition between hydrogen bonds and halogen bonds in complexes of formamidine and hypohalous acids. <i>Journal of Molecular Modeling</i> , 2013, 19, 4529-4535.	0.8	24
75	A new interaction mechanism of LiNH ₂ with MgH ₂ : magnesium bond. <i>Journal of Molecular Modeling</i> , 2013, 19, 247-253.	0.8	24
76	Enhancement of Iodine-Hydride Interaction by Substitution and Cooperative Effects in NCX-NCl-HMY Complexes. <i>ChemPhysChem</i> , 2012, 13, 3997-4002.	1.0	23
77	Abnormal synergistic effects between Lewis acid-base interaction and halogen bond in F ₃ B-NCX-NCM. <i>Molecular Physics</i> , 2015, 113, 3809-3814.	0.8	23
78	Nonadditivity of methyl group in single-electron hydrogen bond of methyl radical-water complex. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 605-611.	1.0	22
79	Prediction and characterization of HCCH...AuX (X = OH, F, Cl, Br, CH ₃ , CCH, CN, and NC) complexes: A Au-bond. <i>Journal of Chemical Physics</i> , 2011, 135, 074304.	1.2	22
80	The structure, properties, and nature of HArF-HOX (X = F, Cl, Br) complex: An ab initio study and an unusual short hydrogen bond. <i>Journal of Computational Chemistry</i> , 2011, 32, 2432-2440.	1.5	22
81	Comparison for σ -hole and π -hole tetrel-bonded complexes involving cyanoacetaldehyde. <i>Molecular Physics</i> , 2018, 116, 222-230.	0.8	22
82	Competition between dihydrogen bond and beryllium bond in complexes between HBeH and HArF: A huge blue shift of distant HAr stretch. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 135-140.	2.0	21
83	Prominent enhancing effects of substituents on the strength of σ -hole tetrel bond. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25448.	1.0	21
84	The effect of methyl group on the cooperativity between three types of hydrogen bond: O=C-H...O, C=C-H...O, and O=C-H...F. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 558-566.	1.0	20
85	Regulation of coin metal substituents and cooperativity on the strength and nature of tetrel bonds. <i>RSC Advances</i> , 2017, 7, 46321-46328.	1.7	20
86	Comparison of tetrel bonds and halogen bonds in complexes of DMSO with ZF ₃ X (Z = C, Si, Ge, Sn, Pb, Bi, Po, At, Fl, Lv, Ts, Og). <i>Journal of Molecular Modeling</i> , 2017, 23, 1719-1727.	1.7	19
87	Comparison of σ -hole and π -hole tetrel bonds in complexes of borazine with TH ₃ F and F ₂ TO/H ₂ TO (T = C, Si, Ge). <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25910.	1.0	19
88	How do organic gold compounds and organic halogen molecules interact? Comparison with hydrogen bonds. <i>RSC Advances</i> , 2015, 5, 12488-12497.	1.7	18
89	Novel pnictogen bonding interactions with silylene as an electron donor: covalency, unusual substituent effects and new mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9153-9160.	1.3	18
90	Comparison of hydrogen and halogen bonds between dimethyl sulfoxide and hypohalous acid: competition and cooperativity. <i>Molecular Physics</i> , 2017, 115, 1614-1623.	0.8	17

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91	Synergistic and Diminutive Effects between Regium and Aerogen Bonds. <i>ChemPhysChem</i> , 2020, 21, 2426-2431.	1.0	17
92	Is the Fourier Transform Infrared Free-OH Band of <i>n</i> -Butanol Only from Free OHs? Case Studies on the Binary Systems of the Alcohol with CCl_4 and CHCl_3 . <i>Journal of Physical Chemistry A</i> , 2020, 124, 6177-6185.	1.1	17
93	Large blue shift of the H^{Ar} stretching frequency in hydrogen- and halogen-bonded complexes of HArF with dihalogen molecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 506-511.	2.0	16
94	What is the role of defects in single-walled carbon nanotubes for nonlinear optical property?. <i>Journal of Materials Chemistry</i> , 2011, 21, 8905.	6.7	16
95	Influence of the protonation of pyridine nitrogen on pnictogen bonding: competition and cooperativity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11348-11356.	1.3	16
96	Comparison for σ -hole and π -hole tetrel-bonded complexes involving $\text{F}_2\text{C}=\text{CFTF}_3$ (T = C, Si, and Ge): Substitution, hybridization, and solvation effects. <i>Journal of Fluorine Chemistry</i> , 2018, 207, 38-44.	0.9	16
97	Comparison between Hydrogen and Halogen Bonds in Complexes of $\text{6}^{\text{OX}}\text{Fulvene}$ with Pnictogen and Chalcogen Electron Donors. <i>ChemPhysChem</i> , 2019, 20, 1978-1984.	1.0	16
98	A new unconventional halogen bond $\text{C}^{\text{X}}\text{A}\cdots\text{H}^{\text{X}}\text{M}$ between HCCX (X = Cl and Br) and HMH (M = Be and Tl). <i>Journal of Chemical Physics</i> , 2019, 150, 154301.	1.9	15
99	Competition between σ -hole pnictogen bond and π -hole tetrel bond in complexes of $\text{CF}_2=\text{CFZH}_2$ ($\text{Z} = \text{P, As, and Sb}$). <i>Molecular Physics</i> , 2019, 117, 251-259.	0.8	15
100	Bioinspired surface with special wettability for liquid transportation and separation. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00175.	1.7	15
101	The π -hole tetrel bond between X_2TO and CO_2 : Substituent effects and its potential adsorptivity for CO_2 . <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26251.	1.0	15
102	Weak σ -Hole Tritel Bond between $\text{C}_5\text{H}_5\text{Tr}$ (Tr=B, Al, Ga) and Haloethyne: Substituent and Cooperativity Effects. <i>ChemPhysChem</i> , 2021, 22, 481-487.	1.0	15
103	Rare gas atomic number dependence of the hyperpolarizability for rare gas inserted fluorohydrides, HRgF (Rg=He, Ar, and Kr). <i>Journal of Chemical Physics</i> , 2009, 131, 044308.	1.2	14
104	Interplay between Metal $\cdots\text{I}^{\text{X}}$ Interactions and Hydrogen Bonds: Some Unusual Synergetic Effects of Coinage Metals and Substituents. <i>ChemPhysChem</i> , 2013, 14, 3341-3347.	1.0	14
105	Influence of substituents on the nature of metal $\cdots\text{I}^{\text{X}}$ interaction and its cooperativity with halogen bond. <i>Journal of Chemical Physics</i> , 2015, 143, 054308.	1.2	14
106	Tritel \cdots hydride tritel bond between ZX_3 (Z = B and Al; X = H and Me) and THMe_3 (T = Tl, Pb, Bi, Sn, and Sb). <i>Journal of Chemical Physics</i> , 2019, 150, 154302.	1.7	14
107	Coinage-Metal Bond between [1.1.1]Propellane and $\text{M}_2/\text{MCl}/\text{MCH}_3$ (M = Cu, Ag, and Au): Cooperativity and Substituents. <i>Molecules</i> , 2019, 24, 2601.	1.7	14
108	Novel 2- OH -hydroxynaphthalene-based fluorescent turn-on sensor for highly sensitive and selective detection of Al^{3+} and its application in imaging <i>in vitro</i> and <i>in vivo</i> . <i>Applied Organometallic Chemistry</i> , 2020, 34, e5812.	1.7	13

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109	Solvent effect on the role of methyl groups in formation of O \cdots H-O hydrogen bond in dimethyl ether \cdots methanol complex. Computational and Theoretical Chemistry, 2008, 862, 74-79.	1.5	11
110	Partially covalent nature and substitution non-additivity of Au-bonding in H ₂ O \cdots AuCH ₃ complex. Chemical Physics Letters, 2010, 498, 259-262.	1.2	11
111	Effect of substitution and cooperativity on the Cl \cdots F blue shift in single-electron halogen-bonded H ₃ C \cdots ClF complex. Molecular Physics, 2010, 108, 2021-2026.	0.8	11
112	Theoretical study on gemylenoid H ₂ GeFBeF. Structural Chemistry, 2012, 23, 867-871.	1.0	11
113	Non-additivity between substitution and cooperative effects in enhancing hydrogen bonds. Journal of Chemical Physics, 2014, 141, 244305.	1.2	11
114	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.	1.0	11
115	Coinage metal dimers as the noncovalent interaction acceptors: study of the σ -lump interactions. Physical Chemistry Chemical Physics, 2019, 21, 21152-21161.	1.3	11
116	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.	1.0	11
117	Modulation engineering of <i>in situ</i> cathodic activation of FeP _x based on W-incorporation for the hydrogen evolution reaction. Nanoscale, 2020, 12, 12364-12373.	2.8	11
118	Xe \cdots chalcogen aerogen bond. Effect of substituents and size of chalcogen atom. Physical Chemistry Chemical Physics, 2020, 22, 4115-4121.	1.3	11
119	THEORETICAL INVESTIGATION ON THE INSERTION REACTIONS OF THE GERMYLENOID H ₂ GeLiF WITH RH (R = F, OH, NH ₂) (R = F, OH, NH ₂) Journal of Theoretical and Computational Chemistry, 2013, 12, 1350003.	1.5	11
120	Substitution reactions of H ₂ GeFBeF with RH (R = F, OH, NH ₂): A theoretical study. Russian Journal of Physical Chemistry A, 2014, 88, 1097-1102.	0.1	10
121	Competitive interaction between halogen and hydrogen bonds in NH ₂ BrHOX (X = F, Cl, and I) Tj ETQ ₁ 1 0.784314 rgB 1.0	1.0	9
122	Interplay between Cation \cdots F \cdots and Coinage \cdots Metal \cdots Oxygen Interactions: An Ab Initio Study and Cambridge Structural Database Survey. ChemPhysChem, 2015, 16, 1008-1016.	1.0	9
123	Competition between halogen bond and hydrogen bond in complexes of superalkali Li ₃ S and halogenated acetylene XCCH (X = F, Cl, Br, and I). International Journal of Quantum Chemistry, 2015, 115, 99-105.	1.0	9
124	Dinuclear first-row transition metal \cdots (C ₈ Me ₆) ₂ complexes: metal \cdots metal and metal \cdots ligand bonds determined by the d electron configuration of the metal atom. New Journal of Chemistry, 2016, 40, 1988-1996.	1.4	9
125	Abnormal Tetrel Bonds between Formamidine and TH ₃ F: Substituent Effects. ChemistrySelect, 2018, 3, 2842-2849.	0.7	9
126	Comparison of halide donators based on pi \cdots M (M = Cu, Ag, Au), pi \cdots H and pi \cdots halogen bonds. Theoretical Chemistry Accounts, 2018, 137, 1.	0.5	9

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127	The ability of a tetrel bond to transition a neutral amino acid into a zwitterion. <i>Chemical Physics Letters</i> , 2019, 731, 136584.	1.2	9
128	Influence of cooperativity on the frequency shift of the Ar ν H stretch vibration in HArF complexes. <i>Molecular Physics</i> , 2013, 111, 497-504.	0.8	8
129	Beryllium decorated armchair BC ₂ N nanoribbons: coexistence of planar tetracoordinate carbon and nitrogen moieties. <i>RSC Advances</i> , 2015, 5, 73945-73950.	1.7	8
130	Intramolecular Si \cdots O Tetrel Bonding: Tuning of Substituents and Cooperativity. <i>ChemistrySelect</i> , 2017, 2, 11104-11112.	0.7	8
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