## Ying Li

## List of Publications by Year in descending order

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Version: 2024-02-01

		279798	197818
56	2,383	23	49
papers	citations	h-index	g-index
56	56	56	752
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	High electron affinity triggered by lithium coordination: quasi-chalcogen properties of Li <sub>2</sub> Sn <sub>8</sub> Be. Physical Chemistry Chemical Physics, 2022, 24, 10611-10621.	2.8	2
2	Effects of the nanowire length on large second-order nonlinear optical responses: a theoretical investigation of the thinnest doped beryllium nanowires with IR and UV working wavebands. Dalton Transactions, 2021, 50, 4613-4622.	3.3	1
3	On Close Parallels between the Zintl-Based Superatom Ge <sub>9</sub> Be and Chalcogen Elements. Inorganic Chemistry, 2021, 60, 3196-3206.	4.0	8
4	Probing the effect of carbon doping on structures, properties, and stability of magnesium clusters. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	3
5	On reactivity of superatom <scp>Be<sub>8</sub>C</scp> with nucleophiles to produce hydrogen. International Journal of Quantum Chemistry, 2021, 121, e26794.	2.0	1
6	On structure and hyperhalogen properties of hetero-binuclear superatoms MM′(BO2)â^ʾ (MÂ=ÂNa, mg;) Tj ETÇ	)q0,00 rg	BŢ/Overlock
7	Distinctive Characteristics of Al <sub>7</sub> Li: A Superatom Counterpart of Group IVA Elements. Inorganic Chemistry, 2020, 59, 14093-14100.	4.0	7
8	Unveiling the potential of superalkali cation Li <sub>3</sub> <sup>+</sup> for capturing nitrogen. Physical Chemistry Chemical Physics, 2020, 22, 26536-26543.	2.8	6
9	Theoretical investigation of perfect fullerene-like borospherene Ih-B20 protected by alkaline earth metal: multi-layered spherical electride molecules as electric field manipulated second-order nonlinear optical switches. Dalton Transactions, 2020, 49, 15267-15275.	3.3	5
10	On single-electron magnesium bonding formation and the effect of methyl substitution. RSC Advances, 2020, 10, 34413-34420.	3.6	1
11	Honeycomb Borophene Fragment Stabilized in Polyanionic Sandwich Lithium Salt: A New Type of Two-Dimensional Material with Superconductivity. Journal of Physical Chemistry C, 2020, 124, 5870-5879.	3.1	9
12	Noble gas insertion compounds of hydrogenated and lithiated hyperhalogens. Physical Chemistry Chemical Physics, 2019, 21, 20156-20165.	2.8	4
13	Nonlinear optical response of endohedral all-metal electride cages 2eâ^'Mg2+(M@E12)2â^'Ca2+ (M = Ni,) Tj ETQc	1110.784 5.5	l314 rgBT /○ 16
14	The behavior of the aluminum trimer when combining with different superatom clusters. RSC Advances, 2018, 8, 6667-6674.	3.6	4
15	Finding allâ€nonmetal transitionâ€metalâ€like superatom and its magnetic building block. International Journal of Quantum Chemistry, 2018, 118, e25570.	2.0	2
16	The effect of hydration on the electronic structure and stability of the superalkali cation Li <sub>3</sub> <sup>+</sup> . Physical Chemistry Chemical Physics, 2018, 20, 15174-15182.	2.8	4
17	Decorating Zintl polyanions with alkali metal cations: A novel strategy to design superatom cations with low electron affinity. Journal of Alloys and Compounds, 2018, 740, 400-405.	5.5	19
18	The Influence of Carbon Doping on the Structures, Properties, and Stability of Beryllium Clusters. European Journal of Inorganic Chemistry, 2017, 2017, 2428-2434.	2.0	8

#	Article	IF	Citations
19	Efficient External Electric Field Manipulated Nonlinear Optical Switches of All-Metal Electride Molecules with Infrared Transparency: Nonbonding Electron Transfer Forms an Excess Electron Lone Pair. Journal of Physical Chemistry C, 2017, 121, 958-968.	3.1	53
20	Superhalogen properties of hetero-binuclear anions MM′F4â^' and MM″F5â^' (M = Li, Na, M′ = Be, Mg, Ca	a; M″ =)	Tj <sub>11</sub> ETQq000
21	Effects of the Cage Number and Excess Electron Number on the Second Order Nonlinear Optical Response in Molecular All-Metal Electride Multicage Chains. Journal of Physical Chemistry C, 2017, 121, 25531-25540.	3.1	17
22	Does Alkaline-Earth-Metal-Based Superalkali Exist?. Journal of Physical Chemistry A, 2016, 120, 10281-10288.	2.5	7
23	Can Fluorinated Molecular Cages Be Utilized as Building Blocks of Hyperhalogens?. ChemPhysChem, 2016, 17, 1468-1474.	2.1	12
24	Comparative study of hydrogenated and lithiated superhalogens. Chemical Physics Letters, 2016, 661, 94-99.	2.6	1
25	Insight into structural and ï€â€"magnesium bonding characteristics of the X <sub>2</sub> Mgâ< Y (X = H, F;) Tj E complexes. RSC Advances, 2016, 6, 102754-102761.	TQq1 1 0. 3.6	784314 rg87 20
26	An External Electric Field Manipulated Second-Order Nonlinear Optical Switch of an Electride Molecule: A Long-Range Electron Transfer Forms a Lone Excess Electron Pair and Quenches Singlet Diradical. Journal of Physical Chemistry C, 2016, 120, 13656-13666.	3.1	50
27	On the formation of beryllium bonds where radicals act as electron donors. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	7
28	Stability and Nonlinear Optical Response of Alkalides that Contain a Completely Encapsulated Superalkali Cluster. ChemPhysChem, 2016, 17, 2672-2678.	2.1	39
29	Quasi-Chalcogen Characteristics of Al <sub>12</sub> Be: A New Member of the Three-Dimensional Periodic Table. Journal of Physical Chemistry C, 2016, 120, 2464-2471.	3.1	25
30	All-metal electride molecules $CuAg@Ca < sub > 7 < / sub > M$ (M = Be, Mg, and Ca) with multi-excess electrons and all-metal polyanions: molecular structures and bonding modes as well as large infrared nonlinear optical responses. Dalton Transactions, 2016, 45, 2656-2665.	3.3	24
31	A new strategy for simultaneously enhancing nonlinear optical response and electron stability in novel cup–saucer <sup>+</sup> –cage <sup>â~'</sup> -shaped sandwich electride molecules with an excess electron protected inside the cage. Dalton Transactions, 2015, 44, 4207-4214.	3.3	18
32	A theoretical study on novel alkaline earth-based excess electron compounds: unique alkalides with considerable nonlinear optical responses. Physical Chemistry Chemical Physics, 2015, 17, 4524-4532.	2.8	41
33	Trivalent acid radical-centered YLi <sub>4</sub> <sup>+</sup> (Y = PO <sub>4</sub> , AsO <sub>4</sub> ,) Tj ETQ Transactions, 2014, 43, 18066-18073.	q1 1 0.78 3.3	4314 rgBT   23
34	Unusual Manipulative Effects of Spin Multiplicity and Excess Electron Number on the Structure and Nonlinear Optical Response in New Linear and Cyclic Electride Molecules with Multiexcess Electrons. Journal of Physical Chemistry C, 2014, 118, 23937-23945.	3.1	28
35	On the Potential Application of Superalkali Clusters in Designing Novel Alkalides with Large Nonlinear Optical Properties. Inorganic Chemistry, 2014, 53, 6170-6178.	4.0	125
36	Designing Aromatic Superatoms. Journal of Physical Chemistry C, 2013, 117, 24618-24624.	3.1	57

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37	Prediction and characterization of novel polynuclear superalkali cations. Dalton Transactions, 2013, 42, 577-584.	3.3	63
38	Do nonmetallic superalkali cations exist?. Chemical Physics Letters, 2013, 575, 32-35.	2.6	48
39	New Acceptor–Bridge–Donor Strategy for Enhancing NLO Response with Long-Range Excess Electron Transfer from the NH <sub>2</sub> M/M <sub>3</sub> O Donor (M = Li, Na, K) to Inside the Electron Hole Cage C <sub>20</sub> F <sub>19</sub> Acceptor through the Unusual If Chain Bridge (CH <sub>2</sub> ) <sub>4</sub> . lournal of Physical Chemistry A. 2013. 117. 2835-2843.	2.5	78
40	Theoretical study of substitution effect in superalkali OM3 (M=Li, Na, K). Chemical Physics Letters, 2013, 575, 27-31.	2.6	19
41	Evolution of the structural and electronic properties of beryllium-doped aluminum clusters: comparison with neutral and cationic aluminum clusters. Physical Chemistry Chemical Physics, 2012, 14, 16467.	2.8	14
42	The interaction between superalkalis (M3O, $M = Na$ , $K$ ) and a C20F20 cage forming superalkali electride salt molecules with excess electrons inside the C20F20 cage: dramatic superalkali effect on the nonlinear optical property. Journal of Materials Chemistry, 2012, 22, 9652.	6.7	97
43	Theoretical Study on Polynuclear Superalkali Cations with Various Functional Groups as the Central Core. Inorganic Chemistry, 2012, 51, 6081-6088.	4.0	80
44	Structural properties and nonlinear optical responses of superatom compounds BF <sub>4</sub> â€M (M) Tj ETC Chemistry, 2012, 112, 770-778.	9q0 0 0 rgl 2.0	BT /Overlock 1 86
45	Ab Initio Investigation on a New Class of Binuclear Superalkali Cations  M <sub>2</sub> Li <sub>2<i>k</i>+1</sub> <sup>+</sup> (F <sub>2</sub> Li <sub>3</sub> <sup>+</sup> ,) Tj ET	Qq1_1 0.7 2.5	843]4 rgB <mark>T</mark> (
46	Low ionization potentials of binuclear superalkali B2Li11. Journal of Chemical Physics, 2009, 131, 164307.	3.0	72
47	Compounds of Superatom Clusters: Preferred Structures and Significant Nonlinear Optical Properties of the BLi <sub>6</sub> -X (X = F, LiF <sub>2</sub> , BeF <sub>3</sub> , BF <sub>4</sub> ) Motifs. Inorganic Chemistry, 2008, 47, 9773-9778.	4.0	154
48	Structures and Large NLO Responses of New Electrides:  Li-Doped Fluorocarbon Chain. Journal of the American Chemical Society, 2007, 129, 2967-2970.	13.7	269
49	Structural and electronic properties of boron-doped lithium clusters: Ab initio and DFT studies. Journal of Computational Chemistry, 2007, 28, 1677-1684.	3.3	48
50	Do single-electron lithium bonds exist? Prediction and characterization of the H3Câ√Li–Y (Y=H, F, OH,) Tj ETQo	10 9.8 rgB	T /9yerlock 10
51	Novel Superalkali Superhalogen Compounds (Li3)+(SH)â^ (SH=LiF2, BeF3, and BF4) with Aromaticity: New Electrides and Alkalides. ChemPhysChem, 2006, 7, 1136-1141.	2.1	65
52	The Trigonal Bipyramidal MN3M Species: A New Kind of Aromatic Complex Containing a Multiple-Fold Aromatic N3 Subunit. ChemPhysChem, 2005, 6, 2562-2569.	2.1	9
53	The Structure and the Large Nonlinear Optical Properties of Li@Calix[4]pyrrole. Journal of the American Chemical Society, 2005, 127, 10977-10981.	13.7	318
54	An ab Initio Prediction of the Extraordinary Static First Hyperpolarizability for the Electron-Solvated Cluster (FH)2{e}(HF). Journal of Physical Chemistry B, 2004, 108, 3145-3148.	2.6	134

#	Article	IF	CITATIONS
55	Theoretical Study of Alkaline-Earth Metal (Be, Mg, and Ca)-Substituted Aluminum Nitride Nanocages With High Stability and Large Nonlinear Optical Responses. Frontiers in Chemistry, 0, 10, .	3.6	O

Design of a Novel Series of Hetero-Binuclear Superhalogen Anions MMâ $\in$ 2X4â $^{\circ}$  (M = Li, Na; Mâ $\in$ 2 = Be, Mg, Ca; X) Ti ETQq0 Q0 rgBT /O