# Zhiling Liu

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3194578/publications.pdf

Version: 2024-02-01

| 36 | 266 | 933264 | 1058333 |
|---|---|---|---|
| papers | citations | 10 h-index | 14 g-index |

| 36 | 36 | 36 | 213 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A label-free electrochemical aptasensor based on the coreâ€“shell Cu-MOF@TpBD hybrid nanoarchitecture for the sensitive detection of PDGF-BB. Analyst, The, 2021, 146, 979-988. | 1.7 | 28 |
| 2 | Structural Evolution of Homoleptic Heterodinuclear Copperâ€“Nickel Carbonyl Anions Revealed Using Photoelectron Velocity-Map Imaging. Inorganic Chemistry, 2014, 53, 10909-10916. | 1.9 | 24 |
| 3 | Photoelectron Velocity Map Imaging Spectroscopy of Lead Tetracarbonylâ€“Iron Anion PbFe(CO)<sub>4</sub><sup>â€“</sup>. Journal of Physical Chemistry A, 2016, 120, 3533-3538. | 1.1 | 15 |
| 4 | CO oxidation on Rh-doped hexadecagold clusters. Catalysis Science and Technology, 2017, 7, 75-83. | 2.1 | 15 |
| 5 | Ligand-Mediated Reactivity in CO Oxidation of Niobiumâ€“Nickel Monoxide Carbonyl Complexes: The Crucial Roles of the Multiple Adsorption of CO Molecules. Journal of Physical Chemistry Letters, 2019, 10, 1566-1573. | 2.1 | 14 |
| 6 | Infrared Spectroscopy of Hydrogen-Bonding Interactions in Neutral Dimethylamineâ€“Methanol Complexes. Journal of Physical Chemistry A, 2019, 123, 10109-10115. | 1.1 | 13 |
| 7 | Probing the structural and electronic properties of AgnHâ¯ (n = 1â€“3) using photoelectron imaging and theoretical calculations. Journal of Chemical Physics, 2012, 136, 184312. | 1.2 | 11 |
| 8 | Structure of Au40/â¯1 in the gas phase: A joint geometry relaxed ab initio calculations and vibrationally resolved photoelectron imaging investigation. Journal of Chemical Physics, 2013, 139, 094306. | 1.2 | 10 |
| 9 | Octacoordinate metal carbonyls of scandium and yttrium: theoretical calculations and experimental observation. Rapid Communications in Mass Spectrometry, 2013, 27, 1403-1409. | 0.7 | 10 |
| 10 | Observation of promoted Câ€“O bond weakening on the heterometallic nickelâ€“silver: Photoelectron velocity-map imaging spectroscopy of AgNi(CO)nâ¯. Journal of Chemical Physics, 2017, 146, 244316. | 1.2 | 10 |
| 11 | Vibrationally resolved photoelectron imaging of platinum carbonyl anion Pt(CO)nâ¯ (n =) Tj ETQq1 1 0.784314 rgBT /O | 1.2 | 9 |
| 12 | Photoelectron imaging and theoretical calculations of goldâ€“silver hydrides: comparing the characteristics of Au, Ag and H in small clusters. Physical Chemistry Chemical Physics, 2012, 14, 11666. | 1.3 | 9 |
| 13 | Infrared photodissociation spectroscopy of <mml:math altimg="si5.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" | 1.2 | 9 |
| 14 | Vibrationally Resolved Photoelectron Imaging of Cu<sub>2</sub>H<sup>â€“</sup> and AgCuH<sup>â€“</sup> and Theoretical Calculations. Journal of Physical Chemistry A, 2013, 117, 1706-1711. | 1.1 | 8 |
| 15 | Observing the Transition from Equatorial to Axial CO Chemisorption: Infrared Photodissociation Spectroscopy of Yttrium Oxideâ€“Carbonyls. Inorganic Chemistry, 2016, 55, 5502-5506. | 1.9 | 8 |
| 16 | CO oxidation on the heterodinuclear tantalumâ€“nickel monoxide carbonyl complex anions. Chinese Chemical Letters, 2021, 32, 854-860. | 4.8 | 8 |
| 17 | A Sensitive Electrochemical MUC1 Sensing Platform Based on Electroactive Cu-MOFs Decorated by AuPt Nanoparticles. Journal of the Electrochemical Society, 2020, 167, 087502. | 1.3 | 8 |
| 18 | Photoelectron velocity-map imaging spectroscopic and theoretical study on the reactivity of the gold atom toward CH3SH, CH3OH, and H2O. Journal of Chemical Physics, 2013, 139, 034315. | 1.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Photoelectron imaging and theoretical study on the structure and chemical binding of the mixed-ligand M(I) complexes, [HMSH]â˜ (M = Cu, Ag, and Au). Journal of Chemical Physics, 2014, 140, 114307. | 1.2 | 5 |
| 20 | On the photoelectron velocity-map imaging of lutetium monoxide anion LuOâ˜. Journal of Chemical Physics, 2014, 140, 034312. | 1.2 | 5 |
| 21 | Multicenter electron-sharing Ïƒ-bonding in the AgFe(CO)<sub>4</sub><sup>â˜</sup>complex. Dalton Transactions, 2020, 49, 15256-15266. | 1.6 | 5 |
| 22 | CO activation by the heterobinuclear transition metal-iron clusters: A photoelectron spectroscopic and theoretical study. Journal of Energy Chemistry, 2021, 63, 344-350. | 7.1 | 5 |
| 23 | Low-energy photoelectron imaging of HS2anion. Journal of Chemical Physics, 2014, 141, 204312. | 1.2 | 4 |
| 24 | Unsaturated binuclear homoleptic nickel carbonyl anions Ni<sub>2</sub>(CO)<sub>n</sub><sup>â˜</sup>(n= 4â€“6) featuring double three-center two-electron Niâ€“Câ€“Ni bonds. Physical Chemistry Chemical Physics, 2020, 22, 23773-23784. | 1.3 | 4 |
| 25 | Thermodynamics and Kinetics of Gas-Phase CO Oxidation on the Scandium Monoxide Carbonyl Complexes. Journal of Physical Chemistry A, 2020, 124, 924-931. | 1.1 | 4 |
| 26 | Structure and Bonding in MPb<sub>5</sub><sup>â€“</sup> (M = Cu, Ag, and Au): A Combined Investigation by Theoretical Calculations and Photoelectron Imaging Spectroscopy. Journal of Physical Chemistry A, 2013, 117, 2325-2332. | 1.1 | 3 |
| 27 | An investigation into low-lying electronic states of HCS2 via threshold photoelectron imaging. Journal of Chemical Physics, 2014, 140, 214318. | 1.2 | 3 |
| 28 | Triply Carbonyl-Bridged Ni<sub>2</sub>(CO)<sub>5</sub>Featuring Triple Three-Center Two-Electron Niâ€”Câ€“Ni Bonds Instead of Niâ‰¡Ni Triple Bond. Inorganic Chemistry, 2020, 59, 15365-15374. | 1.9 | 3 |
| 29 | Isoelectronic IrC<sub>3</sub><sup>â€“</sup>, PtC<sub>3</sub>, and AuC<sub>3</sub><sup>+</sup> Clusters Featuring the Structural and Bonding Resemblance to OC<sub>3</sub>. Journal of Physical Chemistry Letters, 2022, 13, 12-17. | 2.1 | 3 |
| 30 | Vibrationally Resolved Photoelectron Imaging of Au<sub>3</sub>H<sup>â€“</sup>. Journal of Physical Chemistry A, 2014, 118, 1031-1037. | 1.1 | 2 |
| 31 | Photoelectron Imaging and Theoretical Study on Nascent Hydrogen Bond Network in Microsolvated Clusters of Au<sup>â€“</sup>(CH<sub>3</sub>OH)<sub>n</sub> (n = 1â€“5). Journal of Physical Chemistry A, 2014, 118, 3402-3409. | 1.1 | 2 |
| 32 | Observation of unsaturated platinum carbenes Pt2C2nâ˜ (n = 1â€“3) clusters: A photoelectron imaging spectroscopic and theoretical study. Journal of Chemical Physics, 2022, 156, 164302. | 1.2 | 2 |
| 33 | Dativeversuselectron-sharing bonding in the isoelectronic argon compounds ArR<sup>+</sup>(R = CH<sub>3</sub>, NH<sub>2</sub>, OH, and F). New Journal of Chemistry, 2021, 45, 1363-1372. | 1.4 | 1 |
| 34 | Photoelectron velocity-map imaging spectroscopy of nickel carbide: Examination of the low-lying electronic states. New Journal of Chemistry, 0, , . | 1.4 | 1 |
| 35 | A Reflectron Time-of-Flight Mass Spectrometer with a Nano-Electrospray Ionization Source for Study of Metal Cluster Compounds. Chinese Journal of Chemical Physics, 2016, 29, 401-406. | 0.6 | 0 |
| 36 | Synergetic electron donation and back-donation interactions in (AuÂâ˜ÂCO2)â˜ complex: A joint anionic photoelectron velocity-map imaging spectroscopy and theoretical investigation. Chemical Physics Letters, 2022, 803, 139845. | 1.2 | 0 |