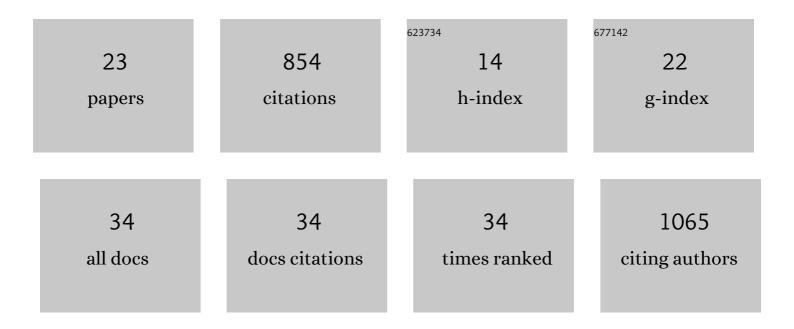
## Jinggang Lan

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Nanoscale Chemical Imaging of Coadsorbed Thiolate Self-Assembled Monolayers on Au(111) by<br>Tip-Enhanced Raman Spectroscopy. Analytical Chemistry, 2022, 94, 1645-1653.                                   | 6.5  | 5         |
| 2  | Dynamics and control of active sites in hierarchically nanostructured cobalt<br>phosphide/chalcogenide-based electrocatalysts for water splitting. Energy and Environmental<br>Science, 2022, 15, 727-739. | 30.8 | 96        |
| 3  | Nuclear quantum effects at aqueous metal interfaces captured by molecular dynamics simulations.<br>Current Opinion in Electrochemistry, 2022, 33, 100934.  | 4.8  | 2         |
| 4  | Shallow and deep trap states of solvated electrons in methanol and their formation, electronic excitation, and relaxation dynamics. Chemical Science, 2022, 13, 3837-3844.                                 | 7.4  | 9         |
| 5  | Effect of the alkyl linker length on the photoisomerization of hydrazone switches on metal surfaces.<br>Materials Today Chemistry, 2022, 24, 100797.   | 3.5  | 4         |
| 6  | Toward High-level Machine Learning Potential for Water Based on Quantum Fragmentation and Neural Networks. Journal of Physical Chemistry A, 2022, 126, 3926-3936.  | 2.5  | 11        |
| 7  | In situ spectroelectrochemical probing of CO redox landscape on copper single-crystal surfaces.<br>Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .           | 7.1  | 27        |
| 8  | Simulating the ghost: quantum dynamics of the solvated electron. Nature Communications, 2021, 12, 766.   | 12.8 | 36        |
| 9  | CO2 adsorption on the pristine and reduced CeO2 (111) surface: Geometries and vibrational spectra by first principles simulations. Journal of Chemical Physics, 2021, 154, 094702.                         | 3.0  | 11        |
| 10 | Modeling Electrified Pt(111)-H <sub>ad</sub> /Water Interfaces from Ab Initio Molecular Dynamics. Jacs<br>Au, 2021, 1, 569-577.  | 7.9  | 56        |
| 11 | In-situ nanospectroscopic imaging of plasmon-induced two-dimensional [4+4]-cycloaddition polymerization on Au(111). Nature Communications, 2021, 12, 4557.   | 12.8 | 24        |
| 12 | Efficient Quantum Vibrational Spectroscopy of Water with High-Order Path Integrals: From Bulk to<br>Interfaces. Journal of Physical Chemistry Letters, 2021, 12, 9108-9114.                                | 4.6  | 9         |
| 13 | Bifunctional Single Atom Electrocatalysts: Coordination–Performance Correlations and Reaction<br>Pathways. ACS Nano, 2020, 14, 13279-13293.  | 14.6 | 107       |
| 14 | Inexpensive modeling of quantum dynamics using path integral generalized Langevin equation thermostats. Journal of Chemical Physics, 2020, 152, 124104.  | 3.0  | 26        |
| 15 | Ionization of Water as an Effect of Quantum Delocalization at Aqueous Electrode Interfaces. Journal of Physical Chemistry Letters, 2020, 11, 3724-3730.  | 4.6  | 39        |
| 16 | Solution Phase and Surface Photoisomerization of a Hydrazone Switch with a Long Thermal Half-Life.<br>Journal of the American Chemical Society, 2019, 141, 17637-17645.                                    | 13.7 | 30        |
| 17 | Pure Siliceous Zeolite-Supported Ru Single-Atom Active Sites for Ammonia Synthesis. Chemistry of<br>Materials, 2019, 31, 9413-9421.  | 6.7  | 83        |
| 18 | Theoretical Study of NO Dissociation on an Open Flat Ru(101Ì1) Surface. Journal of Physical Chemistry<br>C, 2019, 123, 5488-5494.  | 3.1  | 0         |

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|----|---|------|-----------|
| 19 | Characterization of the Platinum–Hydrogen Bond by Surface-Sensitive Time-Resolved Infrared<br>Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 1254-1259.  | 4.6  | 38        |
| 20 | First-Principles Simulations of an Aqueous CO/Pt(111) Interface. Journal of Physical Chemistry C, 2018, 122, 24068-24076.   | 3.1  | 35        |
| 21 | Monitoring surface transformations of metal carbodiimide water oxidation catalysts by operando<br>XAS and Raman spectroscopy. Dalton Transactions, 2018, 47, 10759-10766.   | 3.3  | 11        |
| 22 | Origin of Efficient Catalytic Combustion of Methane over Co <sub>3</sub> O <sub>4</sub> (110): Active<br>Low-Coordination Lattice Oxygen and Cooperation of Multiple Active Sites. ACS Catalysis, 2016, 6,<br>5508-5519.                                | 11.2 | 116       |
| 23 | Ultralow-temperature CO oxidation on an<br>In <sub>2</sub> O <sub>3</sub> –Co <sub>3</sub> O <sub>4</sub> catalyst: a strategy to tune CO<br>adsorption strength and oxygen activation simultaneously. Chemical Communications, 2014, 50,<br>6835-6838. | 4.1  | 73        |