

Xiao Zheng

List of Publications by Year in descending order

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134
papers

4,890
citations

94433

37
h-index

106344

65
g-index

140
all docs

140
docs citations

140
times ranked

3911
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Scaled-Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15772-15777. | 13.8 | 426 |
| 2 | Exact dynamics of dissipative electronic systems and quantum transport: Hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , 2008, 128, 234703. | 3.0 | 336 |
| 3 | Identification of Cu(100)/Cu(111) Interfaces as Superior Active Sites for CO ₂ Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 259-269. | 13.7 | 171 |
| 4 | Time-dependent density-functional theory for open systems. <i>Physical Review B</i> , 2007, 75, . | 3.2 | 163 |
| 5 | Improving Band Gap Prediction in Density Functional Theory from Molecules to Solids. <i>Physical Review Letters</i> , 2011, 107, 026403. | 7.8 | 161 |
| 6 | Quantum-Mechanical Investigation of Field-Emission Mechanism of a Micrometer-Long Single-Walled Carbon Nanotube. <i>Physical Review Letters</i> , 2004, 92, 106803. | 7.8 | 148 |
| 7 | High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8706-8712. | 13.8 | 145 |
| 8 | Hierarchical Liouville-Space Approach for Accurate and Universal Characterization of Quantum Impurity Systems. <i>Physical Review Letters</i> , 2012, 109, 266403. | 7.8 | 136 |
| 9 | Synthesis of Sub-2-nm Iron-Doped NiSe ₂ Nanowires and Their Surface-Confined Oxidation for Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4020-4024. | 13.8 | 133 |
| 10 | Localized orbital scaling correction for systematic elimination of delocalization error in density functional approximations. <i>National Science Review</i> , 2018, 5, 203-215. | 9.5 | 110 |
| 11 | Numerical approach to time-dependent quantum transport and dynamical Kondo transition. <i>Journal of Chemical Physics</i> , 2009, 130, 164708. | 3.0 | 104 |
| 12 | Time-dependent density functional theory for quantum transport. <i>Journal of Chemical Physics</i> , 2010, 133, 114101. | 3.0 | 96 |
| 13 | Single-Molecule Conductance of Pyridine-Terminated Dithienylethene Switch Molecules. <i>ACS Nano</i> , 2011, 5, 5115-5123. | 14.6 | 95 |
| 14 | HEOM-QUICK: a program for accurate, efficient, and universal characterization of strongly correlated quantum impurity systems. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2016, 6, 608-638. | 14.6 | 87 |
| 15 | A General Strategy to Immobilize Single-Atom Catalysts in Metal-Organic Frameworks for Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2109203. | 21.0 | 80 |
| 16 | Local Scaling Correction for Reducing Delocalization Error in Density Functional Approximations. <i>Physical Review Letters</i> , 2015, 114, 053001. | 7.8 | 69 |
| 17 | Kondo Memory in Driven Strongly Correlated Quantum Dots. <i>Physical Review Letters</i> , 2013, 111, 086601. | 7.8 | 68 |
| 18 | Delocalization error of density-functional approximations: A distinct manifestation in hydrogen molecular chains. <i>Journal of Chemical Physics</i> , 2012, 137, 214106. | 3.0 | 66 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Electrochemical and Density Functional Theory Investigation on High Selectivity and Sensitivity of Exfoliated Nano-Zirconium Phosphate toward Lead(II). <i>Analytical Chemistry</i> , 2013, 85, 3984-3990. | 6.5 | 66 |
| 20 | Polymorphic cobalt diselenide as extremely stable electrocatalyst in acidic media via a phase-mixing strategy. <i>Nature Communications</i> , 2019, 10, 5338. | 12.8 | 65 |
| 21 | Scaled-Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 15919-15924. | 2.0 | 62 |
| 22 | Dynamic electronic response of a quantum dot driven by time-dependent voltage. <i>Journal of Chemical Physics</i> , 2008, 129, 184112. | 3.0 | 61 |
| 23 | Dissipation equation of motion approach to open quantum systems. <i>Frontiers of Physics</i> , 2016, 11, 1. | 5.0 | 58 |
| 24 | Dynamic Coulomb blockade in single-lead quantum dots. <i>New Journal of Physics</i> , 2008, 10, 093016. | 2.9 | 56 |
| 25 | Boosting the oxygen evolution activity over cobalt nitride nanosheets through optimizing the electronic configuration. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119894. | 20.2 | 56 |
| 26 | Time-dependent versus static quantum transport simulations beyond linear response. <i>Physical Review B</i> , 2011, 83, . | 3.2 | 47 |
| 27 | Facet-Dependent Stripping Behavior of Cu ₂ O Microcrystals Toward Lead Ions: A Rational Design for the Determination of Lead Ions. <i>Small</i> , 2015, 11, 2493-2498. | 10.0 | 47 |
| 28 | Time-dependent quantum transport: An efficient method based on Liouville-von-Neumann equation for single-electron density matrix. <i>Journal of Chemical Physics</i> , 2012, 137, 044113. | 3.0 | 46 |
| 29 | An Efficient Turing-Type Ag ₂ Se/CoSe ₂ Multi-Interfacial Oxygen-Evolving Electrocatalyst**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6553-6560. | 13.8 | 45 |
| 30 | Complex non-Markovian effect on time-dependent quantum transport. <i>Journal of Chemical Physics</i> , 2009, 130, 124508. | 3.0 | 44 |
| 31 | Enhanced Photovoltaic Properties Induced by Ferroelectric Domain Structures in Organometallic Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11151-11158. | 3.1 | 44 |
| 32 | A generalized exchange-correlation functional: the Neural-Networks approach. <i>Chemical Physics Letters</i> , 2004, 390, 186-192. | 2.6 | 42 |
| 33 | Dynamic admittance of carbon nanotube-based molecular electronic devices and their equivalent electric circuit. <i>Nanotechnology</i> , 2008, 19, 495203. | 2.6 | 42 |
| 34 | Highly efficient and accurate sum-over-poles expansion of Fermi and Bose functions at near zero temperatures: Fano spectrum decomposition scheme. <i>Journal of Chemical Physics</i> , 2019, 151, 024110. | 3.0 | 42 |
| 35 | Hierarchical equations of motion method based on Fano spectrum decomposition for low temperature environments. <i>Journal of Chemical Physics</i> , 2020, 152, 064107. | 3.0 | 42 |
| 36 | Improving the efficiency of hierarchical equations of motion approach and application to coherent dynamics in Aharonov-Bohm interferometers. <i>Journal of Chemical Physics</i> , 2015, 142, 104112. | 3.0 | 40 |

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|----|--|-----|-----------|
| 37 | Hierarchical Liouville-space approach to nonequilibrium dynamical properties of quantum impurity systems. <i>Physical Review B</i> , 2013, 88, . | 3.2 | 39 |
| 38 | Hierarchical equations of motion for an impurity solver in dynamical mean-field theory. <i>Physical Review B</i> , 2014, 90, . | 3.2 | 39 |
| 39 | Understanding the Kondo resonance in the d-CoPc/Au(111) adsorption system. <i>Journal of Chemical Physics</i> , 2014, 141, 084713. | 3.0 | 38 |
| 40 | Nonperturbative spin-boson and spin-spin dynamics and nonlinear Fano interferences: A unified dissipaton theory based study. <i>Journal of Chemical Physics</i> , 2015, 142, 024112. | 3.0 | 38 |
| 41 | Environment-modulated Kondo phenomena in FePc/Au(111) adsorption systems. <i>Physical Review B</i> , 2016, 93, . | 3.2 | 37 |
| 42 | Improving the Performance of Long-Range-Corrected Exchange-Correlation Functional with an Embedded Neural Network. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7273-7281. | 2.5 | 37 |
| 43 | High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2020, 132, 8784-8790. | 2.0 | 37 |
| 44 | Thermopower of few-electron quantum dots with Kondo correlations. <i>Physical Review B</i> , 2014, 90, . | 3.2 | 35 |
| 45 | Current noise spectra and mechanisms with dissipaton equation of motion theory. <i>Journal of Chemical Physics</i> , 2015, 142, 234108. | 3.0 | 35 |
| 46 | The roles of apex dipoles and field penetration in the physics of charged, field emitting, single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2008, 104, 014310. | 2.5 | 33 |
| 47 | Synthesis of Sub-2-nm Iron-Doped NiSe ₂ Nanowires and Their Surface-Confined Oxidation for Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 4084-4088. | 2.0 | 33 |
| 48 | Precise Control of Local Spin States in an Adsorbed Magnetic Molecule with an STM Tip: Theoretical Insights from First-Principles-Based Simulation. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2418-2425. | 4.6 | 32 |
| 49 | Local temperatures of strongly-correlated quantum dots out of equilibrium. <i>Physical Review B</i> , 2015, 91, . | 3.2 | 29 |
| 50 | Time-dependent density-functional theory for real-time electronic dynamics on material surfaces. <i>Physical Review B</i> , 2013, 88, . | 3.2 | 27 |
| 51 | Anisotropy induced Kondo splitting in a mechanically stretched molecular junction: A first-principles based study. <i>Journal of Chemical Physics</i> , 2016, 144, 034101. | 3.0 | 27 |
| 52 | Quantum mechanical understanding of field dependence of the apex barrier of a single-wall carbon nanotube. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 26 |
| 53 | Structural Stability of La ₂ Ce ₂ O ₇ as a Proton Conductor: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20379-20386. | 3.1 | 26 |
| 54 | On the exact truncation tier of fermionic hierarchical equations of motion. <i>Journal of Chemical Physics</i> , 2018, 148, 234108. | 3.0 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | A nonempirical scaling correction approach for density functional methods involving substantial amount of Hartree-Fock exchange. <i>Journal of Chemical Physics</i> , 2013, 138, 174105. | 3.0 | 23 |
| 56 | Time-dependent density functional theory quantum transport simulation in non-orthogonal basis. <i>Journal of Chemical Physics</i> , 2013, 139, 224111. | 3.0 | 23 |
| 57 | Low-frequency logarithmic discretization of the reservoir spectrum for improving the efficiency of hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , 2017, 147, 074111. | 3.0 | 23 |
| 58 | Universal time-domain Prony fitting decomposition for optimized hierarchical quantum master equations. <i>Journal of Chemical Physics</i> , 2022, 156, . | 3.0 | 23 |
| 59 | Time-dependent quantum transport theory and its applications to graphene nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2481-2494. | 1.5 | 22 |
| 60 | Efficient steady-state solver for hierarchical quantum master equations. <i>Journal of Chemical Physics</i> , 2017, 147, 044105. | 3.0 | 22 |
| 61 | Local temperatures out of equilibrium. <i>Physics Reports</i> , 2019, 830, 1-66. | 25.6 | 22 |
| 62 | Complex absorbing potential based Lorentzian fitting scheme and time dependent quantum transport. <i>Journal of Chemical Physics</i> , 2014, 141, 164122. | 3.0 | 21 |
| 63 | Generating giant and tunable nonlinearity in a macroscopic mechanical resonator from a single chemical bond. <i>Nature Communications</i> , 2016, 7, 11517. | 12.8 | 21 |
| 64 | Kondo screening and spin excitation in few-layer CoPc molecular assembly stacking on Pb(111) surface: A DFT+HEOM study. <i>Journal of Chemical Physics</i> , 2016, 145, 154301. | 3.0 | 21 |
| 65 | Existence of time-dependent density-functional theory for open electronic systems: Time-dependent holographic electron density theorem. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14358. | 2.8 | 20 |
| 66 | Statistical quasi-particle theory for open quantum systems. <i>Molecular Physics</i> , 2018, 116, 780-812. | 1.7 | 20 |
| 67 | Reduction-Controlled Atomic Migration for Single Atom Alloy Library. <i>Nano Letters</i> , 2022, 22, 4232-4239. | 9.1 | 20 |
| 68 | Molecular molds for regularizing Kondo states at atom/metal interfaces. <i>Nature Communications</i> , 2020, 11, 2566. | 12.8 | 19 |
| 69 | Orbital relaxation effects on Kohn-Sham frontier orbital energies in density functional theory. <i>Journal of Chemical Physics</i> , 2015, 142, 154113. | 3.0 | 18 |
| 70 | Manipulation of spin and magnetic anisotropy in bilayer magnetic molecular junctions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26396-26404. | 2.8 | 18 |
| 71 | Kondo-peak splitting and resonance enhancement caused by interdot tunneling in coupled double quantum dots. <i>Physical Review B</i> , 2018, 98, . | 3.2 | 18 |
| 72 | Atomic Decoration for Improving the Efficiency of Field Electron Emission of Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4939-4945. | 3.1 | 17 |

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|----|--|-----|-----------|
| 73 | Dissipaton equation of motion for system-and-bath interference dynamics. Science China Chemistry, 2015, 58, 1816-1824. | 8.2 | 17 |
| 74 | Spin switch in iron phthalocyanine on Au(111) surface by hydrogen adsorption. Journal of Chemical Physics, 2017, 147, 134701. | 3.0 | 17 |
| 75 | Thermodynamic meaning of local temperature of nonequilibrium open quantum systems. Physical Review B, 2016, 94, . | 3.2 | 15 |
| 76 | Transient electronic dynamics of noninteracting open systems beyond linear response. Journal of Physics Condensed Matter, 2009, 21, 355301. | 1.8 | 14 |
| 77 | Time-Dependent Current Distributions of a Two-Terminal Carbon Nanotube-Based Electronic Device. Journal of Physical Chemistry B, 2011, 115, 5519-5525. | 2.6 | 14 |
| 78 | Stochastic Representation of Non-Markovian Fermionic Quantum Dissipation. Physical Review Letters, 2019, 123, 050601. | 7.8 | 14 |
| 79 | Equilibrium and transient thermodynamics: A unified dissipaton-space approach. Journal of Chemical Physics, 2020, 153, 154111. | 3.0 | 14 |
| 80 | Stochastic equation of motion approach to fermionic dissipative dynamics. I. Formalism. Journal of Chemical Physics, 2020, 152, 204105. | 3.0 | 13 |
| 81 | Scaling correction approaches for reducing delocalization error in density functional approximations. Science China Chemistry, 2015, 58, 1825-1844. | 8.2 | 12 |
| 82 | Fokker-Planck quantum master equation for mixed quantum-semiclassical dynamics. Journal of Chemical Physics, 2017, 146, 024104. | 3.0 | 12 |
| 83 | Stochastic equation of motion approach to fermionic dissipative dynamics. II. Numerical implementation. Journal of Chemical Physics, 2020, 152, 204106. | 3.0 | 12 |
| 84 | Enhancing Circular Dichroism Signals with Vector Beams. Physical Review Letters, 2021, 126, 123001. | 7.8 | 12 |
| 85 | Conductive junctions with parallel graphene sheets. Journal of Chemical Physics, 2010, 132, 114703. | 3.0 | 11 |
| 86 | Minimum-exponents ansatz for molecular dynamics and quantum dissipation. Journal of Chemical Physics, 2016, 145, 204110. | 3.0 | 11 |
| 87 | Accurate density functional prediction of molecular electron affinity with the scaling corrected Kohn-Sham frontier orbital energies. Molecular Physics, 2018, 116, 927-934. | 1.7 | 10 |
| 88 | Thermodynamic free-energy spectrum theory for open quantum systems. Journal of Chemical Physics, 2020, 153, 214115. | 3.0 | 10 |
| 89 | Enhanced photocurrent in heterostructures formed between CH ₃ NH ₃ PbI ₃ perovskite films and graphdiyne. Physical Chemistry Chemical Physics, 2020, 22, 6239-6246. | 2.8 | 10 |
| 90 | First-principles Liouville-von Neumann equation for open systems and its applications. Physica Status Solidi (B): Basic Research, 2012, 249, 270-275. | 1.5 | 9 |

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|-----|---|------|-----------|
| 91 | Electronic Structures and Thermoelectric Properties of Two-Dimensional MoS ₂ /MoSe ₂ Heterostructures. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 445-452. | 1.3 | 9 |
| 92 | First-Principles Study on Structural and Chemical Asymmetry of a Biomimetic Water-Splitting Dimanganese Complex. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1073-1080. | 5.3 | 8 |
| 93 | Time-dependent density functional theory for open systems with a positivity-preserving decomposition scheme for environment spectral functions. <i>Journal of Chemical Physics</i> , 2015, 142, 144112. | 3.0 | 8 |
| 94 | Temperature-dependent ESR and computational studies on antiferromagnetic electron transfer in the yeast NADH dehydrogenase Ndi1. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4849-4854. | 2.8 | 8 |
| 95 | Corrected Kondo temperature beyond the conventional Kondo scaling limit. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 175601. | 1.8 | 8 |
| 96 | Evolution of Magnetic Anisotropy of an Organometallic Molecule in a Mechanically Controlled Break Junction: The Roles of Connecting Electrodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30754-30764. | 3.1 | 8 |
| 97 | Understanding the Sub-meV Precision-Tuning of Magnetic Anisotropy of Single-Molecule Junction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6990-6997. | 3.1 | 8 |
| 98 | Some Recent Progresses in Density-Functional Theory: Efficiency, Accuracy, and Applicability. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006, 3, 857-863. | 0.4 | 8 |
| 99 | Bio-inspired synthesis of transition-metal oxide hybrid ultrathin nanosheets for enhancing the cycling stability in lithium-ion batteries. <i>Nano Research</i> , 2022, 15, 5064-5071. | 10.4 | 8 |
| 100 | An Efficient Turing-Type Ag ₂ Se/CoSe ₂ Multi-Interface Oxygen-Evolving Electrocatalyst**. <i>Angewandte Chemie</i> , 2021, 133, 6627-6634. | 2.0 | 7 |
| 101 | First-Principles Study of Mixed Cation Methylammonium-Formamidinium Hybrid Perovskite. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2019, 35, 69-75. | 4.9 | 7 |
| 102 | A statistical quasi-particles thermofield theory with Gaussian environments: System-bath entanglement theorem for nonequilibrium correlation functions. <i>Journal of Chemical Physics</i> , 2022, 157, 044102. | 3.0 | 7 |
| 103 | Maxwell's demon and Smoluchowski's trap door. <i>Physical Review E</i> , 2007, 75, 041109. | 2.1 | 6 |
| 104 | Time-dependent density-functional theory for open electronic systems. <i>Science China Chemistry</i> , 2014, 57, 26-35. | 8.2 | 6 |
| 105 | Rational Ligand Design for an Efficient Biomimetic Water Splitting Complex. <i>Journal of Physical Chemistry A</i> , 2016, 120, 10033-10042. | 2.5 | 6 |
| 106 | Unveiling the High Catalytic Activity of a Dinuclear Iron Complex for the Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 7297-7305. | 4.0 | 6 |
| 107 | Phase-Controlled 1T Transition-Metal Dichalcogenide-Based Multidimensional Hybrid Nanostructures. <i>CCS Chemistry</i> , 2021, 3, 58-68. | 7.8 | 6 |
| 108 | Origin of Asymmetric Splitting of Kondo Peak in Spin-Polarized Scanning Tunneling Spectroscopy: Insights from First-Principles-Based Simulations. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2094-2100. | 4.6 | 6 |

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|-----|--|------|-----------|
| 109 | Adiabatic terminator for fermionic hierarchical equations of motion. Chinese Journal of Chemical Physics, 2021, 34, 905-914. | 1.3 | 6 |
| 110 | Computer simulation of Feynman's ratchet and pawl system. Physical Review E, 2010, 81, 061104. | 2.1 | 5 |
| 111 | Gauge-invariant and current-continuous microscopic ac quantum transport theory. European Physical Journal B, 2013, 86, 1. | 1.5 | 5 |
| 112 | Theoretical insights into the reactivity of Fe-based catalysts for water oxidation: the role of electron-withdrawing groups. Physical Chemistry Chemical Physics, 2018, 20, 14919-14926. | 2.8 | 5 |
| 113 | Quantum entanglement of parallel-coupled double quantum dots: A theoretical study using the hierarchical equations of motion approach. Chinese Journal of Chemical Physics, 2018, 31, 510-516. | 1.3 | 5 |
| 114 | Effect of quantum resonances on local temperature in nonequilibrium open systems. Physical Review B, 2021, 103, . | 3.2 | 5 |
| 115 | Nonequilibrium work distributions in quantum impurity system-bath mixing processes. Journal of Chemical Physics, 0, , . | 3.0 | 5 |
| 116 | Effect of temperature on field emission from a micrometer-long single-walled carbon nanotube. Physical Review B, 2006, 73, . | 3.2 | 4 |
| 117 | Theoretical investigation of real-time charge dynamics in open systems coupled to bulk materials. Journal of Chemical Physics, 2019, 150, 174119. | 3.0 | 4 |
| 118 | Unit cell consistency of maximally localized Wannier functions. Electronic Structure, 2020, 2, 014001. | 2.8 | 4 |
| 119 | Density Functional Prediction of Quasiparticle, Excitation, and Resonance Energies of Molecules With a Global Scaling Correction Approach. Frontiers in Chemistry, 2020, 8, 588808. | 3.6 | 4 |
| 120 | Improving Density Functional Prediction of Molecular Thermochemical Properties with a Machine-Learning-Corrected Generalized Gradient Approximation. Journal of Physical Chemistry A, 2022, 126, 970-978. | 2.5 | 4 |
| 121 | Tracking Electron Dynamics of Single Molecules in Scanning Tunneling Microscopy Junctions with Laser Pulses. Journal of Physical Chemistry Letters, 2021, 12, 6398-6404. | 4.6 | 3 |
| 122 | Marcus's electron transfer rate revisited via a Rice-Ramsperger-Kassel-Marcus analogue: A unified formalism for linear and nonlinear solvation scenarios. Chinese Journal of Chemical Physics, 2021, 34, 462-470. | 1.3 | 3 |
| 123 | Computational characterization of nanosystems. Chinese Journal of Chemical Physics, 2022, 35, 1-15. | 1.3 | 2 |
| 124 | Dissipative dynamic theory for open many-electron systems: Hierarchical equations-of-motion approach. , 2008, , . | | 1 |
| 125 | Heavy Metal Detection: Facet-Dependent Stripping Behavior of Cu ₂ O Microcrystals Toward Lead Ions: A Rational Design for the Determination of Lead Ions (Small 21/2015). Small, 2015, 11, 2584-2584. | 10.0 | 1 |
| 126 | Davydov Collective Vibrational Modes and Infrared Spectrum Features in Aniline Crystal: Influence of Geometry Change Induced by van der Waals Interactions. Journal of Physical Chemistry C, 2017, 121, 18867-18875. | 3.1 | 1 |

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|-----|--|------|-----------|
| 127 | Equilibria between the K ⁺ binding and cation vacancy conformations of potassium channels. <i>Protein and Cell</i> , 2019, 10, 533-537. | 11.0 | 1 |
| 128 | First-Principles Method for Open Electronic Systems. , 2008, , 235-243. | | 1 |
| 129 | Study the mixed valence problem in asymmetric Anderson model: Fano-Kondo resonance around Fermi level. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 255601. | 1.8 | 1 |
| 130 | Quantum Mechanical Simulation of Electron Dynamics on Surfaces of Materials. <i>Springer Series in Materials Science</i> , 2021, , 115-136. | 0.6 | 0 |
| 131 | Multi-Interface Interfacial Oxygen-Evolving Electrocatalyst (Angew. Chem. 12/2021). <i>Angewandte Chemie</i> , 2021, 133, 6904-6904. | 2.0 | 0 |
| 132 | Reaction on a Ring: Kondo-Enhanced Heterogeneous Single-Atom Catalysis. <i>Journal of Physical Chemistry C</i> , 0, , . | 3.1 | 0 |
| 133 | Magnetic Field Dependent Kondo Transport through Double Quantum Dots System. <i>Annalen Der Physik</i> , 0, , 2100439. | 2.4 | 0 |
| 134 | Competition between Spin Excitation and Kondo Correlation in Magnetic Molecular Junctions: Theoretical Insight from First-principles-based Simulations. <i>Current Chinese Science</i> , 2022, 2, 310-324. | 0.5 | 0 |