Dao-Fu Yuan

List of Publications by Year
in descending order

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36 papers	716 citations	687363 13 h-index	552781 26 g-index
37 all docs	37 docs citations	37 times ranked	677 citing authors

#	Article	IF	Citations
1	pH effect on oxygen reduction reaction at Pt(111) electrode. Electrochimica Acta, 2013, 110, 780-789.	5.2	107
2	Observation of the geometric phase effect in the H + HD â† ' H ₂ + D reaction. Science, 2018, 362, 1289-1293.	12.6	99
3	On the mechanism of the direct pathway for formic acid oxidation at a Pt(111) electrode. Physical Chemistry Chemical Physics, 2013, 15, 4367.	2.8	77
4	Direct observation of forward-scattering oscillations in the H+HDâ†'H2+D reaction. Nature Chemistry, 2018, 10, 653-658.	13.6	46
5	B₄₈^{â^'}: a bilayer boron cluster. Nanoscale, 2021, 13, 3868-3876.	5.6	43
6	Observation of the geometric phase effect in the H+HDâ†'H2+D reaction below the conical intersection. Nature Communications, 2020, 11, 3640.	12.8	30
7	Observation of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math> -Type Dipole-Bound State in Molecular Anions. Physical Review Letters, 2020, 125, 073003.	7.8	25
8	VUV Photodissociation Dynamics of Nitrous Oxide: The O(¹S_{J=0}) and O(³P_{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2015, 119, 8090-8096.	2.5	22
9	Observation of the Carbon Elimination Channel in Vacuum Ultraviolet Photodissociation of OCS. Journal of Physical Chemistry Letters, 2019, 10, 4783-4787.	4.6	19
10	Photoelectron Spectroscopy of Size-Selected Bismuthâ€"Boron Clusters: BiB_n^{â€"} (n = 6â€"8). Journal of Physical Chemistry A, 2021, 125, 6751-6760.	2.5	18
11	Quantum interference between spin-orbit split partial waves in the F + HD â† ' HF + D reaction. Science, 2021, 371, 936-940.	12.6	17
12	Polarization of Valence Orbitals by the Intramolecular Electric Field from a Diffuse Dipole-Bound Electron. Journal of Physical Chemistry Letters, 2020, 11, 7914-7919.	4.6	15
13	VUV Photodissociation Dynamics of Nitrous Oxide: The N(²D_{J=3/2,5/2}) and N(²P_{J=1/2,3/2}) Product Channels. Journal of Physical Chemistry A, 2016, 120, 4966-4972.	2.5	14
14	Photodetachment spectroscopy and resonant photoelectron imaging of cryogenically cooled 1-pyrenolate. Journal of Chemical Physics, 2021, 154, 094308.	3.0	14
15	Photodissociation Dynamics of Nitrous Oxide near 145 nm: The O(¹S₀) and O(³P_{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2018, 122, 2663-2669.	2.5	13
16	Vacuum ultraviolet photodissociation dynamics of CO2 near 133 nm: The spin-forbidden O(3Pj=2,1,0) + CO(X1Î£+) channel. Journal of Chemical Physics, 2019, 151, 214306.	3.0	13
17	Probing the Dipole-Bound State in the 9-Phenanthrolate Anion by Photodetachment Spectroscopy, Resonant Two-Photon Photoelectron Imaging, and Resonant Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 2967-2976.	2.5	12
18	Observation of a Symmetry-Forbidden Excited Quadrupole-Bound State. Journal of the American Chemical Society, 2020, 142, 20240-20246.	13.7	11

#	Article	IF	Citations
19	High-Resolution Experimental Study on Photodissocaition of N2O. Chinese Journal of Chemical Physics, 2016, 29, 135-139.	1.3	10
20	Photodissociation Dynamics of OCS near 150 nm: The S(¹S_{J=0}) and S(³P_{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2020, 124, 6420-6426.	2.5	10
21	Vacuum ultraviolet photodissociation dynamics of N2O via the C1Î state: The N(2Dj=5/2, 3/2) + NO(X2Î) product channels. Journal of Chemical Physics, 2018, 149, 104309.	3.0	9
22	Observation of a dipole-bound excited state in 4-ethynylphenoxide and comparison with the quadrupole-bound excited state in the isoelectronic 4-cyanophenoxide. Journal of Chemical Physics, 2021, 155, 124305.	3.0	9
23	Photodissociation dynamics of OCS near 128â€...nm: S(3PJ=2,1,0), S(1D2) and S(1S0) channels. Chinese Journal of Chemical Physics, 2020, 33, 167-172.	1.3	8
24	Imaging the State-to-State Dynamics of the H + D₂ â†' HD + D Reaction at 1.42 eV. Journal of Physical Chemistry Letters, 2020, 11, 1222-1227.	4.6	8
25	Observation of Core-Excited Dipole-Bound States. Journal of Physical Chemistry Letters, 2022, 13, 2124-2129.	4.6	8
26	Probing copper-boron interactions in the Cu2B8â^' bimetallic cluster. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	8
27	High resolution crossed molecular beams study of the H+HDâ†'H2+D reaction. Chinese Journal of Chemical Physics, 2019, 32, 123-128.	1.3	7
28	Vacuum ultraviolet photodissociation dynamics of OCS + hν â†' CO(¹Î£⁺) + S(¹S₀) via the E and F Rydberg states. Physical Chemistry Chemical Physics, 2021, 23, 5809-5816.	2.8	7
29	Probing the electronic structure and spectroscopy of pyrrolyl and imidazolyl radicals using high-resolution photoelectron imaging of cryogenically cooled anions. Physical Chemistry Chemical Physics, 2022, 24, 6505-6514.	2.8	7
30	Determination of Isotherm for Acetate and Formate Adsorption at Pt(111) Electrode by Fast Scan Voltammetry. Chinese Journal of Chemical Physics, 2013, 26, 191-197.	1.3	5
31	A Revisit to the Role of Bridgeâ€adsorbed Formate in the Electrocatalytic Oxidation of Formic Acid at Pt Electrodes. Chinese Journal of Chemical Physics, 2013, 26, 321-328.	1.3	5
32	Wavelength dependent photodissociation of OCS via F 31Î Rydberg state: CO(X1Î£+)+S(1D2) product channel. Chinese Journal of Chemical Physics, 2020, 33, 691-696.	1.3	5
33	Resonant two-photon photoelectron imaging and adiabatic detachment processes from bound vibrational levels of dipole-bound states. Physical Chemistry Chemical Physics, 2022, 24, 1380-1389.	2.8	5
34	Crossed Molecular Beam Study of H+CH₄ and H+CD₄ Reactions: Vibrationally Excited CH₃/CD₃ Product Channels. Chinese Journal of Chemical Physics, 2017, 30, 609-613.	1.3	4
35	Generation of metastable krypton using a 124-nm laser. Physical Review A, 2022, 105, .	2.5	2
36	Crossed Molecular Beam Study of the H + HD â†' H₂ + D Reaction at 0.60 and 1.26 eV Using the Near-Threshold Ionization Velocity Map Ion Imaging. Journal of Physical Chemistry A, 2022, 126, 4444-4450.	2.5	1