Bing Zhang

List of Publications by Year
in descending order

49 papers	524 citations	759233 12 h-index	677142 22 g-index
52 all docs	52 docs citations	52 times ranked	632 citing authors

#	Article	IF	Citations
1	The ultrafast nonradiative processes and photodissociation dynamics investigation of S1 state in propanal. Journal of Chemical Physics, 2022, 156, 074306.	3.0	1
2	Non-adiabatic dynamics of Rydberg-excited diethylamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 274, 121065.	3.9	0
3	Surface chemistry tuning the selectivity of carbon nanodots towards Hg2+ recognition. Analytica Chimica Acta, 2021, 1146, 33-40.	5.4	7
4	Ultraviolet-light-triggered isomerization of Rydberg-excited propanal: Real-time capture of ultrafast structural evolution and dynamics investigation. Journal of Chemical Physics, 2021, 154, 054301.	3.0	3
5	Liquid-microjet photoelectron imaging spectrometry for liquid aqueous solutions. Review of Scientific Instruments, 2021, 92, 065108.	1.3	4
6	Effect of hydrogen bonding on the nonradiative properties of dibenzofuran. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117466.	3.9	1
7	In Situ Defect Passivation with Silica Oligomer for Enhanced Performance and Stability of Perovskite Solar Cells. Advanced Materials Interfaces, 2020, 7, 1901716.	3.7	15
8	Unraveling electronic states and relaxation dynamics in ultraviolet excited crotonaldehyde via femtosecond time-resolved photoelectron imaging. Chemical Physics Letters, 2020, 739, 136918.	2.6	0
9	Ultrafast Nonadiabatic Photoisomerization Dynamics Mechanism for the UV Photoprotection of Stilbenoids in Grape Skin. Chemistry - an Asian Journal, 2020, 15, 1478-1483.	3.3	17
10	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. ACS Omega, 2020, 5, 14261-14266.	3.5	3
11	Perovskite Solar Cells: In Situ Defect Passivation with Silica Oligomer for Enhanced Performance and Stability of Perovskite Solar Cells (Adv. Mater. Interfaces 2/2020). Advanced Materials Interfaces, 2020, 7, 2070013.	3.7	1
12	Photolysis dynamics of m- and o-fluorophenol: Substitution effects on tunneling mechanism. Chemosphere, 2020, 253, 126747.	8.2	5
13	The geometry relaxation and photodeactivation from the S2 state of dibenzofuran studied by ultrafast spectroscopy. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1495-1506.	2.8	2
14	Intersystem crossing of 2-Methlypyrazine studied by femtosecond photoelectron imaging. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 103301.	0.5	1
15	Unraveling vibrational wavepacket dynamics using femtosecond ion yield spectroscopy and photoelectron imaging. Chinese Journal of Chemical Physics, 2019, 32, 35-45.	1.3	2
16	Femtosecond real-time probing of the excited-state intramolecular proton transfer reaction in methyl salicylate. Journal of Chemical Physics, 2019, 151, 094302.	3.0	12
17	Vibrational coherence in the composition-selected wavepacket of photoexcited pyrimidine. Journal of Chemical Physics, 2019, 150, 044308.	3.0	2
18	Surface Sensitive Photoluminescence of Carbon Nanodots: Coupling between the Carbonyl Group and Ï€-Electron System. Journal of Physical Chemistry Letters, 2019, 10, 3621-3629.	4.6	61

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19	Ultrafast spectroscopy of the primary charge transfer and ISC processes in 9-anthraldehyde. Chemical Physics Letters, 2019, 717, 1-6.	2.6	1
20	Unraveling the electronic relaxation dynamics in photoexcited 2,4-difluoroaniline via femtosecond time-resolved photoelectron imaging. Journal of Chemical Physics, 2018, 148, 144311.	3.0	10
21	Photoinduced Electron Transfer Mediated by Coordination between Carboxyl on Carbon Nanodots and Cu²⁺ Quenching Photoluminescence. Journal of Physical Chemistry C, 2018, 122, 3662-3668.	3.1	56
22	Three-Body photodissociation of thionyl chloride. Chinese Journal of Chemical Physics, 2018, 31, 257-262.	1.3	1
23	Imaging Reversible and Irreversible Structural Evolution in Photoexcited 2,4-Difluoroaniline. Journal of Physical Chemistry Letters, 2018, 9, 5468-5473.	4.6	8
24	Ultrafast photoinduced charge transfer character in ofloxacin singlet decay. Chemical Physics Letters, 2018, 710, 1-5.	2.6	1
25	Ultrafast investigation of photoinduced charge transfer in aminoanthraquinone pharmaceutical product. Scientific Reports, 2017, 7, 43419.	3.3	24
26	Real-time observation of cascaded electronic relaxation processes in p-Fluorotoluene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 109-115.	3.9	1
27	Superexcited State Dynamics of OCS: An Experimental Identification of Three Competing Decay Channels among Autoionization, Internal Conversion, and Neutral Predissociation. Journal of Physical Chemistry A, 2017, 121, 3858-3863.	2.5	5
28	Solvent effects on the tripletâ€“triplet annihilation upconversion of diiodo-Bodipy and perylene. Physical Chemistry Chemical Physics, 2017, 19, 1516-1525.	2.8	52
29	Femtosecond-laser-induced nonadiabatic alignment in photoexcited pyrimidine. Physical Review A, 2017, 96, .	2.5	4
30	Visualization of coherent nuclear motion between different geometries in photoexcited 2,4-difluorophenol. Physical Review A, 2017, 95, .	2.5	8
31	Real-time visualization of the vibrational wavepacket dynamics in electronically excited pyrimidine via femtosecond time-resolved photoelectron imaging. Journal of Chemical Physics, 2017, 147, 044309.	3.0	9
32	Femtosecond time-resolved observation of butterfly vibration in electronically excited o-fluorophenol. Scientific Reports, 2017, 7, 15362.	3.3	8
33	Ultrafast Photodissociation Dynamics of Highly Excited Iodobenzene on the C Band. Journal of Physical Chemistry A, 2016, 120, 10088-10095.	2.5	4
34	The geometrical change and intramolecular energy transfer upon S1â†6 excitation in cyclopentanone. Journal of Chemical Physics, 2015, 143, 064304.	3.0	10
35	The geometry relaxation and intersystem crossing of quaterthiophene studied by femtosecond spectroscopy. Photochemical and Photobiological Sciences, 2015, 14, 853-858.	2.9	21
36	Identification of four rotamers of m-methoxystyrene by resonant two-photon ionization and mass analyzed threshold ionization spectroscopy. Journal of Chemical Physics, 2015, 142, 124314.	3.0	19

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37	Following the decay dynamics of photoexcited 1,2,4-trimethylbenzene using femtosecond time-resolved photoelectron imaging. Chemical Physics Letters, 2015, 619, 44-48.	2.6	3
38	Ultrafast Excited State Dynamics of trans-4-Aminoazobenzene Studied by Femtosecond Transient Absorption Spectroscopy. Chinese Journal of Chemical Physics, 2013, 26, 651-655.	1.3	16
39	Vibrational Spectra and Quantum Calculations of Ethylbenzene. Chinese Journal of Chemical Physics, 2012, 25, 526-532.	1.3	1
40	Direct imaging of the Fermi resonance interaction inpara-difluorobenzene: A special insight into energy redistributions in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>S</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math>low-energy regime. Physical Review A, 2011, 84, .	2.5	9
41	Ultrafast Dynamics Through Conical Intersections in 2,6-dimethylpyridine Studied with Time-resolved Photoelectron Imaging. Chinese Journal of Chemical Physics, 2011, 24, 551-556.	1.3	2
42	Ultrafast dynamics of o-fluorophenol studied with femtosecond time-resolved photoelectron and photoion spectroscopy. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1040-1044.	5.1	4
43	Probing ultrafast internal conversion of o-xylene via femtosecond time-resolved photoelectron imaging. Optics Express, 2010, 18, 5791.	3.4	34
44	The intersystem crossing process of p-bromofluorobenzene studied with time-resolved photoelectron imaging. Journal of Chemical Physics, 2009, 130, 144309.	3.0	8
45	Mass-analyzed Threshold Ionization Spectroscopy of Rotamers ofp-ethoxyphenol Cations and Configuration Effect. Chinese Journal of Chemical Physics, 2009, 22, 649-654.	1.3	3
46	Theoretical study of the dynamics of the reaction C(³P)+CH(X²Î). Molecular Physics, 2009, 107, 2503-2509.	1.7	5
47	Photodissociation/photoionization processes of chlorobromomethane induced by femtosecond laser pulses with pump-probe scheme. Science Bulletin, 2008, 53, 681-686.	1.7	2
48	Halogen Effect on the Photodissociation Mechanism for Gasâ€Phase Bromobenzene and Iodobenzene. ChemPhysChem, 2008, 9, 1130-1136.	2.1	38
49	Photodissociation Study of Ethyl Bromide in the Ultraviolet Range by the Ion-Velocity Imaging Technique. ChemPhysChem, 2005, 6, 2137-2144.	2.1	19