

# Bing Zhang

## List of Publications by Year in descending order

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papers

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citations

759233

12  
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677142

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docs citations

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times ranked

632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Sensitive Photoluminescence of Carbon Nanodots: Coupling between the Carbonyl Group and $\pi$ -Electron System. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3621-3629.	4.6	61
2	Photoinduced Electron Transfer Mediated by Coordination between Carboxyl on Carbon Nanodots and $\text{Cu}^{2+}$ Quenching Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3662-3668.	3.1	56
3	Solvent effects on the triplet-triplet annihilation upconversion of diiodo-Bodipy and perylene. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1516-1525.	2.8	52
4	Halogen Effect on the Photodissociation Mechanism for Gas-Phase Bromobenzene and Iodobenzene. <i>ChemPhysChem</i> , 2008, 9, 1130-1136.	2.1	38
5	Probing ultrafast internal conversion of <i>o</i> -xylene via femtosecond time-resolved photoelectron imaging. <i>Optics Express</i> , 2010, 18, 5791.	3.4	34
6	Ultrafast investigation of photoinduced charge transfer in aminoanthraquinone pharmaceutical product. <i>Scientific Reports</i> , 2017, 7, 43419.	3.3	24
7	The geometry relaxation and intersystem crossing of quaterthiophene studied by femtosecond spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 853-858.	2.9	21
8	Photodissociation Study of Ethyl Bromide in the Ultraviolet Range by the Ion-Velocity Imaging Technique. <i>ChemPhysChem</i> , 2005, 6, 2137-2144.	2.1	19
9	Identification of four rotamers of <i>m</i> -methoxystyrene by resonant two-photon ionization and mass analyzed threshold ionization spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 142, 124314.	3.0	19
10	Ultrafast Nonadiabatic Photoisomerization Dynamics Mechanism for the UV Photoprotection of Stilbenoids in Grape Skin. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1478-1483.	3.3	17
11	Ultrafast Excited State Dynamics of <i>trans</i> -4-Aminoazobenzene Studied by Femtosecond Transient Absorption Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2013, 26, 651-655.	1.3	16
12	In Situ Defect Passivation with Silica Oligomer for Enhanced Performance and Stability of Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901716.	3.7	15
13	Femtosecond real-time probing of the excited-state intramolecular proton transfer reaction in methyl salicylate. <i>Journal of Chemical Physics</i> , 2019, 151, 094302.	3.0	12
14	The geometrical change and intramolecular energy transfer upon $S_1$ excitation in cyclopentanone. <i>Journal of Chemical Physics</i> , 2015, 143, 064304.	3.0	10
15	Unraveling the electronic relaxation dynamics in photoexcited 2,4-difluoroaniline via femtosecond time-resolved photoelectron imaging. <i>Journal of Chemical Physics</i> , 2018, 148, 144311.	3.0	10
16	Direct imaging of the Fermi resonance interaction in <i>para</i> -difluorobenzene: A special insight into energy redistributions in the $S_1$ low-energy regime. <i>Physical Review A</i> , 2011, 84, .	2.5	9
17	Real-time visualization of the vibrational wavepacket dynamics in electronically excited pyrimidine via femtosecond time-resolved photoelectron imaging. <i>Journal of Chemical Physics</i> , 2017, 147, 044309.	3.0	9
18	The intersystem crossing process of <i>p</i> -bromofluorobenzene studied with time-resolved photoelectron imaging. <i>Journal of Chemical Physics</i> , 2009, 130, 144309.	3.0	8

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19	Visualization of coherent nuclear motion between different geometries in photoexcited 2,4-difluorophenol. <i>Physical Review A</i> , 2017, 95, .	2.5	8
20	Femtosecond time-resolved observation of butterfly vibration in electronically excited o-fluorophenol. <i>Scientific Reports</i> , 2017, 7, 15362.	3.3	8
21	Imaging Reversible and Irreversible Structural Evolution in Photoexcited 2,4-Difluoroaniline. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5468-5473.	4.6	8
22	Surface chemistry tuning the selectivity of carbon nanodots towards Hg <sup>2+</sup> recognition. <i>Analytica Chimica Acta</i> , 2021, 1146, 33-40.	5.4	7
23	Theoretical study of the dynamics of the reaction C( <sup>3</sup> P)+CH(X <sup>2</sup> ̂). <i>Molecular Physics</i> , 2009, 107, 2503-2509.	1.7	5
24	Superexcited State Dynamics of OCS: An Experimental Identification of Three Competing Decay Channels among Autoionization, Internal Conversion, and Neutral Predissociation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3858-3863.	2.5	5
25	Photolysis dynamics of m- and o-fluorophenol: Substitution effects on tunneling mechanism. <i>Chemosphere</i> , 2020, 253, 126747.	8.2	5
26	Ultrafast dynamics of o-fluorophenol studied with femtosecond time-resolved photoelectron and photoion spectroscopy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1040-1044.	5.1	4
27	Ultrafast Photodissociation Dynamics of Highly Excited Iodobenzene on the C Band. <i>Journal of Physical Chemistry A</i> , 2016, 120, 10088-10095.	2.5	4
28	Femtosecond-laser-induced nonadiabatic alignment in photoexcited pyrimidine. <i>Physical Review A</i> , 2017, 96, .	2.5	4
29	Liquid-microjet photoelectron imaging spectrometry for liquid aqueous solutions. <i>Review of Scientific Instruments</i> , 2021, 92, 065108.	1.3	4
30	Mass-analyzed Threshold Ionization Spectroscopy of Rotamers of <i>p</i> -ethoxyphenol Cations and Configuration Effect. <i>Chinese Journal of Chemical Physics</i> , 2009, 22, 649-654.	1.3	3
31	Following the decay dynamics of photoexcited 1,2,4-trimethylbenzene using femtosecond time-resolved photoelectron imaging. <i>Chemical Physics Letters</i> , 2015, 619, 44-48.	2.6	3
32	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. <i>ACS Omega</i> , 2020, 5, 14261-14266.	3.5	3
33	Ultraviolet-light-triggered isomerization of Rydberg-excited propanal: Real-time capture of ultrafast structural evolution and dynamics investigation. <i>Journal of Chemical Physics</i> , 2021, 154, 054301.	3.0	3
34	Photodissociation/photoionization processes of chlorobromomethane induced by femtosecond laser pulses with pump-probe scheme. <i>Science Bulletin</i> , 2008, 53, 681-686.	1.7	2
35	Ultrafast Dynamics Through Conical Intersections in 2,6-dimethylpyridine Studied with Time-resolved Photoelectron Imaging. <i>Chinese Journal of Chemical Physics</i> , 2011, 24, 551-556.	1.3	2
36	Unraveling vibrational wavepacket dynamics using femtosecond ion yield spectroscopy and photoelectron imaging. <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 35-45.	1.3	2

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37	Vibrational coherence in the composition-selected wavepacket of photoexcited pyrimidine. <i>Journal of Chemical Physics</i> , 2019, 150, 044308.	3.0	2
38	The geometry relaxation and photodeactivation from the S2 state of dibenzofuran studied by ultrafast spectroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1495-1506.	2.8	2
39	Vibrational Spectra and Quantum Calculations of Ethylbenzene. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 526-532.	1.3	1
40	Real-time observation of cascaded electronic relaxation processes in p-Fluorotoluene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 109-115.	3.9	1
41	Three-Body photodissociation of thionyl chloride. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 257-262.	1.3	1
42	Ultrafast photoinduced charge transfer character in ofloxacin singlet decay. <i>Chemical Physics Letters</i> , 2018, 710, 1-5.	2.6	1
43	Ultrafast spectroscopy of the primary charge transfer and ISC processes in 9-anthraldehyde. <i>Chemical Physics Letters</i> , 2019, 717, 1-6.	2.6	1
44	Effect of hydrogen bonding on the nonradiative properties of dibenzofuran. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117466.	3.9	1
45	Perovskite Solar Cells: In Situ Defect Passivation with Silica Oligomer for Enhanced Performance and Stability of Perovskite Solar Cells ( <i>Adv. Mater. Interfaces</i> 2/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070013.	3.7	1
46	Intersystem crossing of 2-Methylpyrazine studied by femtosecond photoelectron imaging. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 103301.	0.5	1
47	The ultrafast nonradiative processes and photodissociation dynamics investigation of S1 state in propanal. <i>Journal of Chemical Physics</i> , 2022, 156, 074306.	3.0	1
48	Unraveling electronic states and relaxation dynamics in ultraviolet excited crotonaldehyde via femtosecond time-resolved photoelectron imaging. <i>Chemical Physics Letters</i> , 2020, 739, 136918.	2.6	0
49	Non-adiabatic dynamics of Rydberg-excited diethylamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121065.	3.9	0