

Ying-Zhong

List of Publications by Year in descending order

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73
papers

3,170
citations

159573

30
h-index

155644

55
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all docs

73
docs citations

73
times ranked

4180
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Pairing and Molecular Orientation at Liquid/Liquid Interfaces: Self-Assembly and Function. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2316-2323.	2.6	12
2	Squeezing Out Interfacial Solvation: The Role of Hydrogen-Bonding in the Structural and Orientational Freedom of Molecular Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2273-2280.	4.6	7
3	Physical Properties of Candidate X-ray Detector Material $Rb_4Ag_2BiBr_9$. <i>Crystal Growth and Design</i> , 2022, 22, 1066-1072.	3.0	12
4	Considerations in upconversion: A practical guide to sum-frequency generation spectrometer design and implementation. <i>Biointerphases</i> , 2022, 17, 021201.	1.6	4
5	Ion Pairing Mediates Molecular Organization Across Liquid/Liquid Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33734-33743.	8.0	13
6	Nanoparticle-Induced Disorder at Complex Liquid-Liquid Interfaces: Effects of Curvature and Compositional Synergy on Functional Surfaces. <i>ACS Nano</i> , 2021, 15, 14285-14294.	14.6	20
7	Spatially co-registered wide-field nonlinear optical imaging of living and complex biosystems in a total internal reflection geometry. <i>Analyst</i> , 2021, 146, 3062-3072.	3.5	2
8	Nonlinear Optical Microscopy with Ultralow Quantum Light. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8765-8776.	2.5	9
9	Insight into the Mechanisms Driving the Self-Assembly of Functional Interfaces: Moving from Lipids to Charged Amphiphilic Oligomers. <i>Journal of the American Chemical Society</i> , 2020, 142, 290-299.	13.7	27
10	Relationship between the Nature of Monovalent Cations and Charge Recombination in Metal Halide Perovskites. <i>ACS Applied Energy Materials</i> , 2020, 3, 1298-1304.	5.1	11
11	Connecting Femtosecond Transient Absorption Microscopy with Spatially Coregistered Time Averaged Optical Imaging Modalities. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3915-3923.	2.5	4
12	Total internal reflection enabled wide-field coherent anti-Stokes Raman scattering microscopy. <i>Optics Letters</i> , 2020, 45, 3087.	3.3	0
13	CO ₂ Capture via Crystalline Hydrogen-Bonded Bicarbonate Dimers. <i>CheM</i> , 2019, 5, 719-730.	11.7	64
14	A new approach to vibrational sum frequency generation spectroscopy using near infrared pulse shaping. <i>Review of Scientific Instruments</i> , 2019, 90, 033106.	1.3	20
15	Probing ligand removal and ordering at quantum dot surfaces using vibrational sum frequency generation spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 389-395.	9.4	15
16	Direct Evidence of Exciton-Exciton Annihilation in Single-Crystalline Organic Metal Halide Nanotube Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2164-2169.	4.6	15
17	Impact of Crystallographic Orientation Disorders on Electronic Heterogeneities in Metal Halide Perovskite Thin Films. <i>Nano Letters</i> , 2018, 18, 6271-6278.	9.1	22
18	Unraveling luminescence mechanisms in zero-dimensional halide perovskites. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6398-6405.	5.5	168

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19	Flexible approach to vibrational sum-frequency generation using shaped near-infrared light. <i>Optics Letters</i> , 2018, 43, 2038.	3.3	34
20	Absolute Molecular Orientation of Isopropanol at Ceria (100) Surfaces: Insight into Catalytic Selectivity from the Interfacial Structure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14137-14146.	3.1	18
21	Insight into the Selectivity of Isopropanol Conversion at Strontium Titanate (100) Surfaces: A Combination Kinetic and Spectroscopic Study. <i>ACS Catalysis</i> , 2017, 7, 8118-8129.	11.2	19
22	Solvent Effect on the Photoinduced Structural Change of a Phosphorescent Molecular Butterfly. <i>Chemistry - A European Journal</i> , 2017, 23, 17734-17739.	3.3	4
23	Separating Bulk and Surface Contributions to Electronic Excited-State Processes in Hybrid Mixed Perovskite Thin Films via Multimodal All-Optical Imaging. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3299-3305.	4.6	20
24	Dynamic defect correlations dominate activated electronic transport in SrTiO ₃ . <i>Scientific Reports</i> , 2016, 6, 30141.	3.3	3
25	Imaging Electronic Trap States in Perovskite Thin Films with Combined Fluorescence and Femtosecond Transient Absorption Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1725-1731.	4.6	48
26	Adsorption, Ordering, and Local Environments of Surfactant-Encapsulated Polyoxometalate Ions Probed at the Air-Water Interface. <i>Langmuir</i> , 2016, 32, 8116-8122.	3.5	21
27	Separation of Distinct Photoexcitation Species in Femtosecond Transient Absorption Microscopy. <i>ACS Photonics</i> , 2016, 3, 434-442.	6.6	18
28	Simplification of femtosecond transient absorption microscopy data from CH ₃ NH ₃ Pb ₃ perovskite thin films into decay associated amplitude maps. <i>Nanotechnology</i> , 2016, 27, 114002.	2.6	11
29	Probing Interfacial Electronic States in CdSe Quantum Dots Using Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2752-2760.	3.1	18
30	Elucidation of Perovskite Film Micro-Orientations Using Two-Photon Total Internal Reflectance Fluorescence Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3283-3288.	4.6	24
31	Spatial Localization of Excitons and Charge Carriers in Hybrid Perovskite Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3041-3047.	4.6	59
32	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. <i>Nature Communications</i> , 2014, 5, 3180.	12.8	103
33	Electrochemical, Spectroscopic, and ¹ O ₂ Sensitization Characteristics of 10,10-Dimethylbiladiene Complexes of Zinc and Copper. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10639-10648.	2.5	21
34	Reduction of CO ₂ using a rhenium bipyridine complex containing ancillary BODIPY moieties. <i>Catalysis Today</i> , 2014, 225, 149-157.	4.4	36
35	Synthesis, Electrochemistry, and Photophysics of a Family of Phlorin Macrocycles That Display Cooperative Fluoride Binding. <i>Journal of the American Chemical Society</i> , 2013, 135, 6601-6607.	13.7	61
36	Excited-State Dynamics of Water-Soluble Polythiophene Derivatives: Temperature and Side-Chain Length Effects. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14451-14460.	2.6	20

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37	Exciton-Exciton Annihilation in Copper-phthalocyanine Single-Crystal Nanowires. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21588-21593.	3.1	15
38	Exciton Dynamics in Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5201-5211.	2.6	36
39	Pure optical dephasing dynamics in semiconducting single-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2011, 134, 034504.	3.0	37
40	Ultrafast Spectroscopy of Midinfrared Internal Exciton Transitions in Separated Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2010, 104, 177401.	7.8	34
41	Exciton annihilation and dephasing dynamics in semiconducting single-walled carbon nanotubes. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
42	Dephasing in semiconducting single-walled carbon nanotubes induced by exciton-exciton annihilation. <i>Physical Review B</i> , 2009, 79, .	3.2	21
43	Femtosecond Photon Echo Spectroscopy of Semiconducting Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 3936-3941.	9.1	40
44	Vibrational Spectra and Dynamics of Electronically Excited Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16030-16034.	2.6	2
45	Energy Transfer Dynamics in Light-Harvesting Assemblies Templated by the Tobacco Mosaic Virus Coat Protein. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6887-6892.	2.6	61
46	Ultrafast Exciton Dephasing in Semiconducting Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2008, 101, 217402.	7.8	40
47	Two-photon degradable supramolecular assemblies of linear-dendritic copolymers. <i>Chemical Communications</i> , 2007, , 2081-2082.	4.1	91
48	Temperature effects on femtosecond transient absorption kinetics of semiconducting single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5689.	2.8	13
49	Exciton-exciton annihilation in single-walled carbon nanotubes. <i>Physical Review B</i> , 2006, 73, .	3.2	75
50	Ultrafast exciton dynamics in semiconducting single-walled carbon nanotubes. <i>Molecular Physics</i> , 2006, 104, 1179-1189.	1.7	24
51	Spectroscopy of zigzag single-walled carbon nanotubes: Comparing femtosecond transient absorption spectra with ab initio calculations. <i>Physical Review B</i> , 2006, 74, .	3.2	29
52	Ultrafast Fluorescence Depolarisation in the Yellow Fluorescent Protein due to Its Dimerisation. <i>ChemPhysChem</i> , 2005, 6, 1628-1632.	2.1	33
53	Femtosecond Spectroscopy of Optical Excitations in Single-Walled Carbon Nanotubes: Evidence for Exciton-Exciton Annihilation. <i>Physical Review Letters</i> , 2005, 94, 157402.	7.8	214
54	Exciton Binding Energy in Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15671-15674.	2.6	110

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55	Synthetic Micelle Sensitive to IR Light via a Two-Photon Process. <i>Journal of the American Chemical Society</i> , 2005, 127, 9952-9953.	13.7	344
56	Ultrafast carrier dynamics in single-walled carbon nanotubes probed by femtosecond spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 3368-3373.	3.0	186
57	Femtosecond Pump-Probe Measurements of Solvation by Hydrogen-Bonding Interactions. <i>ChemPhysChem</i> , 2004, 5, 1315-1327.	2.1	87
58	Femtosecond solvation dynamics of hydrogen-bonding complexes. , 2004, , 185-188.		0
59	Photochemistry of Dianthrylsilanes: A Study of π - π^* -Interaction. <i>Journal of the American Chemical Society</i> , 2003, 125, 5107-5110.	13.7	33
60	Excitation Energy Transfer Dynamics and Excited-State Structure in Chlorosomes of Chlorobium phaeobacteroides. <i>Biophysical Journal</i> , 2003, 84, 1161-1179.	0.5	77
61	Evidence for direct carotenoid involvement in the regulation of photosynthetic light harvesting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4377-4382.	7.1	199
62	Wavelength-dependent resonant homodyne and heterodyne transient grating spectroscopy with a diffractive optics method: Solvent effect on the third-order signal. <i>Journal of Chemical Physics</i> , 2002, 116, 9333-9340.	3.0	33
63	Different Real and Imaginary Components of the Resonant Third-Order Polarization Revealed by Optical Heterodyne Detected Transient Grating Spectroscopic Studies of Crystal Violet: A Model and Experiment. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10755-10763.	2.5	21
64	Excitation energy transfer in chlorosomes of Chlorobium phaeobacteroides strain CL1401: the role of carotenoids. <i>Photosynthesis Research</i> , 2002, 71, 5-18.	2.9	35
65	Electron-transfer dyads suitable for novel self-assembled light-harvesting antenna/electron-transfer devices. <i>Pure and Applied Chemistry</i> , 2001, 73, 469-474.	1.9	27
66	Heterodyne detected transient grating spectroscopy in resonant and non-resonant systems using a simplified diffractive optics method. <i>Chemical Physics Letters</i> , 2001, 338, 254-262.	2.6	64
67	Kinetics of absorbance and anisotropy upon excited state relaxation in the reaction center core complex of a green sulfur bacterium. <i>Photosynthesis Research</i> , 2000, 65, 261-268.	2.9	2
68	Effect of Carotenoid Biosynthesis Inhibition on the Chlorosome Organization in Chlorobium phaeobacteroides Strain CL1401. <i>Photochemistry and Photobiology</i> , 2000, 71, 715.	2.5	13
69	Ground-state vibrational coherence in chlorosomes of the green sulfur photosynthetic bacterium Chlorobium phaeobacteroides. <i>Chemical Physics Letters</i> , 1999, 300, 465-472.	2.6	13
70	Femtosecond Energy-Transfer Dynamics between Bacteriochlorophylls in the B800 \sim 820 Antenna Complex of the Photosynthetic Purple Bacterium Rhodospirillum rubrum (Strain 7750). <i>Journal of Physical Chemistry B</i> , 1998, 102, 881-887.	2.6	51
71	Energy Transfer and Exciton Annihilation in the B800 \sim 850 Antenna Complex of the Photosynthetic Purple Bacterium Rhodospirillum rubrum (Strain 10050). A Femtosecond Transient Absorption Study. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1087-1095.	2.6	110
72	Bacteriochlorophyll organization and energy transfer kinetics in chlorosomes from Chloroflexus aurantiacus depend on the light regime during growth. <i>Photosynthesis Research</i> , 1996, 47, 157-165.	2.9	36

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73	Growth of ZnSe-ZnTe strained-layer superlattices by atmospheric pressure MOCVD on transparent substrate CaF ₂ (111)., 1991, , .		0