Lin X Chen

List of Publications by Year
in descending order

Version: 2024-02-01

191 papers	13,177 citations	22153 59 h-index	24258 110 g-index
197 all docs	197 docs citations	197 times ranked	15708 citing authors

#	Article	IF	Citations
1	Polymer solar cells with enhanced fill factors. Nature Photonics, 2013, 7, 825-833.	31.4	887
2	Effects of Additives on the Morphology of Solution Phase Aggregates Formed by Active Layer Components of High-Efficiency Organic Solar Cells. Journal of the American Chemical Society, 2011, 133, 20661-20663.	13.7	501
3	Influence of iron doping on tetravalent nickel content in catalytic oxygen evolving films. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1486-1491.	7.1	488
4	Using coherence to enhance function in chemical and biophysical systems. Nature, 2017, 543, 647-656.	27.8	477
5	Seeded growth of single-crystal two-dimensional covalent organic frameworks. Science, 2018, 361, 52-57.	12.6	474
6	Rational Design of Porous Conjugated Polymers and Roles of Residual Palladium for Photocatalytic Hydrogen Production. Journal of the American Chemical Society, 2016, 138, 7681-7686.	13.7	364
7	When Function Follows Form: Effects of Donor Copolymer Side Chains on Film Morphology and BHJ Solar Cell Performance. Advanced Materials, 2010, 22, 5468-5472.	21.0	315
8	MLCT State Structure and Dynamics of a Copper(I) Diimine Complex Characterized by Pumpâ^'Probe X-ray and Laser Spectroscopies and DFT Calculations. Journal of the American Chemical Society, 2003, 125, 7022-7034.	13.7	313
9	XAFS Studies of Surface Structures of TiO2 Nanoparticles and Photocatalytic Reduction of Metal Ions. Journal of Physical Chemistry B, 1997, 101, 10688-10697.	2.6	310
10	All-Polymer Solar Cell Performance Optimized via Systematic Molecular Weight Tuning of Both Donor and Acceptor Polymers. Journal of the American Chemical Society, 2016, 138, 1240-1251.	13.7	276
11	Fe2O3 Nanoparticle Structures Investigated by X-ray Absorption Near-Edge Structure, Surface Modifications, and Model Calculations. Journal of Physical Chemistry B, 2002, 106, 8539-8546.	2.6	255
12	Photodriven Charge Separation Dynamics in CdSe/ZnS Core/Shell Quantum Dot/Cobaloxime Hybrid for Efficient Hydrogen Production. Journal of the American Chemical Society, 2012, 134, 16472-16475.	13.7	249
13	Morphologyâ€Performance Relationships in Highâ€Efficiency Allâ€Polymer Solar Cells. Advanced Energy Materials, 2014, 4, 1300785.	19.5	227
14	Crystallography, Morphology, Electronic Structure, and Transport in Non-Fullerene/Non-Indacenodithienothiophene Polymer:Y6 Solar Cells. Journal of the American Chemical Society, 2020, 142, 14532-14547.	13.7	214
15	Ultrafast Structural Rearrangements in the MLCT Excited State for Copper(I)bis-Phenanthrolines in Solution. Journal of the American Chemical Society, 2007, 129, 2147-2160.	13.7	193
16	Femtosecond X-ray Absorption Spectroscopy at a Hard X-ray Free Electron Laser: Application to Spin Crossover Dynamics. Journal of Physical Chemistry A, 2013, 117, 735-740.	2.5	183
17	Ultrafast Intramolecular Exciton Splitting Dynamics in Isolated Low-Band-Gap Polymers and Their Implications in Photovoltaic Materials Design. Journal of the American Chemical Society, 2012, 134, 4142-4152.	13.7	177
18	Conformational Order in Aggregates of Conjugated Polymers. Journal of the American Chemical Society, 2015, 137, 6254-6262.	13.7	177

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19	PROBING TRANSIENT MOLECULAR STRUCTURES IN PHOTOCHEMICAL PROCESSES USING LASER-INITIATED TIME-RESOLVED X-RAY ABSORPTION SPECTROSCOPY. Annual Review of Physical Chemistry, 2005, 56, 221-254.	10.8	173
20	Interplays of excited state structures and dynamics in copper(I) diimine complexes: Implications and perspectives. Coordination Chemistry Reviews, 2015, 282-283, 2-18.	18.8	173
21	Ring-fusion as a perylenediimide dimer design concept for high-performance non-fullerene organic photovoltaic acceptors. Chemical Science, 2016, 7, 3543-3555.	7.4	168
22	Rapid Excited-State Structural Reorganization Captured by Pulsed X-rays. Journal of the American Chemical Society, 2002, 124, 10861-10867.	13.7	162
23	Dopantâ€Free Hole Transporting Polymers for High Efficiency, Environmentally Stable Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600502.	19.5	156
24	Graphene Oxide Interlayers for Robust, High-Efficiency Organic Photovoltaics. Journal of Physical Chemistry Letters, 2011, 2, 3006-3012.	4.6	154
25	Structure, Dynamics, and Power Conversion Efficiency Correlations in a New Low Bandgap Polymer: PCBM Solar Cell. Journal of Physical Chemistry B, 2010, 114, 742-748.	2.6	145
26	Photovoltaic Function and Exciton/Charge Transfer Dynamics in a Highly Efficient Semiconducting Copolymer. Advanced Functional Materials, 2014, 24, 10-26.	14.9	134
27	Acid Exfoliation of Imineâ€linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. Angewandte Chemie - International Edition, 2020, 59, 5165-5171.	13.8	128
28	The Next Breakthrough for Organic Photovoltaics?. Journal of Physical Chemistry Letters, 2015, 6, 77-84.	4.6	126
29	Photoinduced, reversible phase transitions in all-inorganic perovskite nanocrystals. Nature Communications, 2019, 10, 504.	12.8	121
30	Controlled growth of imine-linked two-dimensional covalent organic framework nanoparticles. Chemical Science, 2019, 10, 3796-3801.	7.4	118
31	Aggregation control in natural brush-printed conjugated polymer films and implications for enhancing charge transport. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10066-E10073.	7.1	110
32	Organic Solar Cells: Recent Progress and Challenges. ACS Energy Letters, 2019, 4, 2537-2539.	17.4	107
33	Taking Snapshots of Photoexcited Molecules in Disordered Media by Using Pulsed Synchrotron X-rays. Angewandte Chemie - International Edition, 2004, 43, 2886-2905.	13.8	105
34	Holeâ€Transfer Dependence on Blend Morphology and Energy Level Alignment in Polymer: ITIC Photovoltaic Materials. Advanced Materials, 2018, 30, 1704263.	21.0	101
35	Materials Design via Optimized Intramolecular Noncovalent Interactions for High-Performance Organic Semiconductors. Chemistry of Materials, 2016, 28, 2449-2460.	6.7	99
36	Electronic and nuclear contributions to time-resolved optical and X-ray absorption spectra of hematite and insights into photoelectrochemical performance. Energy and Environmental Science, 2016, 9, 3754-3769.	30.8	97

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37	X-ray Spectroscopic Characterization of Co(IV) and Metalâ€“Metal Interactions in Co₄O₄: Electronic Structure Contributions to the Formation of High-Valent States Relevant to the Oxygen Evolution Reaction. Journal of the American Chemical Society, 2016, 138, 11017-11030.	13.7	94
38	In situ characterization of cofacial Co(IV) centers in Co ₄ O ₄ cubane: Modeling the high-valent active site in oxygen-evolving catalysts. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3855-3860.	7.1	93
39	Strong Steric Hindrance Effect on Excited State Structural Dynamics of Cu(I) Diimine Complexes. Journal of Physical Chemistry A, 2012, 116, 1984-1992.	2.5	90
40	Marked Consequences of Systematic Oligothiophene Catenation in Thieno[3,4-c]pyrrole-4,6-dione and Bithiopheneimide Photovoltaic Copolymers. Journal of the American Chemical Society, 2015, 137, 12565-12579.	13.7	89
41	In Situ Grazingâ€Incidence Wideâ€Angle Scattering Reveals Mechanisms for Phase Distribution and Disorientation in 2D Halide Perovskite Films. Advanced Materials, 2020, 32, e2002812.	21.0	86
42	Highly Efficient Ultrafast Electron Injection from the Singlet MLCT Excited State of Copper(I) Diimine Complexes to TiO₂ Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 12711-12715.	13.8	85
43	Development of high-repetition-rate laser pump/x-ray probe methodologies for synchrotron facilities. Review of Scientific Instruments, 2011, 82, 073110.	1.3	84
44	Excited-state molecular structures captured by X-ray transient absorption spectroscopy: a decade and beyond. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, 240-251.	0.3	83
45	Photocatalysts Based on Cobalt-Chelating Conjugated Polymers for Hydrogen Evolution from Water. Chemistry of Materials, 2016, 28, 5394-5399.	6.7	81
46	In Situ GIWAXS Analysis of Solvent and Additive Effects on PTB7 Thin Film Microstructure Evolution during Spin Coating. Advanced Materials, 2017, 29, 1703933.	21.0	80
47	Mesoscale molecular network formation in amorphous organic materials. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10055-10060.	7.1	79
48	Ultrafast Excited State Relaxation of a Metalloporphyrin Revealed by Femtosecond X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2016, 138, 8752-8764.	13.7	77
49	Tracking Electrons and Atoms in a Photoexcited Metalloporphyrin by X-ray Transient Absorption Spectroscopy. Journal of the American Chemical Society, 2007, 129, 9616-9618.	13.7	76
50	Photophysical and Morphological Implications of Single-Strand Conjugated Polymer Folding in Solution. Chemistry of Materials, 2016, 28, 2814-2822.	6.7	76
51	Visualizing Interfacial Charge Transfer in Ru-Dye-Sensitized TiO₂ Nanoparticles Using X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 628-632.	4.6	74
52	Triplet Excited State Distortions in a Pyrazolate Bridged Platinum Dimer Measured by X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 12780-12787.	2.5	72
53	Photochemical Processes Revealed by X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 4000-4013.	4.6	70
54	Large Exciton Diffusion Coefficients in Two-Dimensional Covalent Organic Frameworks with Different Domain Sizes Revealed by Ultrafast Exciton Dynamics. Journal of the American Chemical Society, 2020, 142, 14957-14965.	13.7	68

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55	Effects of Electronic and Nuclear Interactions on the Excited-State Properties and Structural Dynamics of Copper(I) Diimine Complexes. Journal of Physical Chemistry B, 2013, 117, 1921-1931.	2.6	67
56	Small Molecule Acceptor and Polymer Donor Crystallinity and Aggregation Effects on Microstructure Templating: Understanding Photovoltaic Response in Fullerene-Free Solar Cells. Chemistry of Materials, 2017, 29, 4432-4444.	6.7	67
57	Influence of Ligand Substitution on Excited State Structural Dynamics in Cu(I) Bisphenanthroline Complexes. Journal of Physical Chemistry B, 2010, 114, 14521-14527.	2.6	66
58	Coherence in Metalâˆ'Metal-to-Ligand-Charge-Transfer Excited States of a Dimetallic Complex Investigated by Ultrafast Transient Absorption Anisotropy. Journal of Physical Chemistry A, 2011, 115, 3990-3996.	2.5	65
59	Solution Structures of Highly Active Molecular Ir Water-Oxidation Catalysts from Density Functional Theory Combined with High-Energy X-ray Scattering and EXAFS Spectroscopy. Journal of the American Chemical Society, 2016, 138, 5511-5514.	13.7	63
60	Electron Injection from Copper Diimine Sensitizers into TiO₂: Structural Effects and Their Implications for Solar Energy Conversion Devices. Journal of the American Chemical Society, 2015, 137, 9670-9684.	13.7	60
61	X-ray absorption spectroscopic characterization of a cytochrome P450 compound II derivative. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8179-8184.	7.1	59
62	Photoactive Blend Morphology Engineering through Systematically Tuning Aggregation in Allâ€Polymer Solar Cells. Advanced Energy Materials, 2018, 8, 1702173.	19.5	57
63	Synthesis, structure, and excited state kinetics of heteroleptic Cu(<scp>i</scp>) complexes with a new sterically demanding phenanthroline ligand. Dalton Transactions, 2017, 46, 13088-13100.	3.3	56
64	Indolo-naphthyridine-6,13-dione Thiophene Building Block for Conjugated Polymer Electronics: Molecular Origin of Ultrahigh n-Type Mobility. Chemistry of Materials, 2016, 28, 8366-8378.	6.7	52
65	Tunable Excited-State Properties and Dynamics as a Function of Ptâ€“Pt Distance in Pyrazolate-Bridged Pt(II) Dimers. Journal of Physical Chemistry A, 2016, 120, 543-550.	2.5	52
66	Thirdâ€order nonlinear optical response in a multilayered phthalocyanine composite. Applied Physics Letters, 1995, 66, 932-934.	3.3	51
67	In Situ Analysis of Solvent and Additive Effects on Film Morphology Evolution in Spinâ€Cast Smallâ€Molecule and Polymer Photovoltaic Materials. Advanced Energy Materials, 2018, 8, 1800611.	19.5	51
68	Identification of Highly Active Iron Sites in N2O-Activated Fe/MFI. Catalysis Letters, 2002, 82, 7-11.	2.6	50
69	Three-Dimensional Local Structure of Photoexcited Cu Diimine Complex Refined by Quantitative XANES Analysis. Journal of Physical Chemistry A, 2008, 112, 5363-5367.	2.5	49
70	Synthesis, structure, ultrafast kinetics, and light-induced dynamics of CuHETPHEN chromophores. Dalton Transactions, 2016, 45, 9871-9883.	3.3	49
71	Dynamics of Photoinduced Electron Transfer in a Molecular Donorâˆ'Acceptor Quartet. Journal of Physical Chemistry B, 2006, 110, 11730-11738.	2.6	48
72	Current trends in the optimization of low band gap polymers in bulk heterojunction photovoltaic devices. Journal of Materials Chemistry, 2011, 21, 7849.	6.7	48

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73	Substantial photovoltaic response and morphology tuning in benzo[1,2-b:6,5-bâ€²]dithiophene (bBDT) molecular donors. Chemical Communications, 2014, 50, 4099.	4.1	48
74	Diketopyrrolopyrrole (DPP) functionalized tetrathienothiophene (TTA) small molecules for organic thin film transistors and photovoltaic cells. Journal of Materials Chemistry C, 2015, 3, 8932-8941.	5.5	48
75	Xâ€ray Transient Absorption and Picosecond IR Spectroscopy of Fulvalene(tetracarbonyl)diruthenium on Photoexcitation. Angewandte Chemie - International Edition, 2012, 51, 7692-7696.	13.8	47
76	Room Temperature Phase Transition in Methylammonium Lead Iodide Perovskite Thin Films Induced by Hydrohalic Acid Additives. ChemSusChem, 2016, 9, 2656-2665.	6.8	47
77	Probing transient molecular structures with time-resolved pump/probe XAFS using synchrotron X-ray sources. Journal of Electron Spectroscopy and Related Phenomena, 2001, 119, 161-174.	1.7	46
78	Naphthalene Bis(4,8-diamino-1,5-dicarboxyl)amide Building Block for Semiconducting Polymers. Journal of the American Chemical Society, 2017, 139, 14356-14359.	13.7	46
79	Suppressing Defect Formation Pathways in the Direct Câ€“H Arylation Polymerization of Photovoltaic Copolymers. Macromolecules, 2018, 51, 9140-9155.	4.8	46
80	Diperfluorophenyl Fused Thiophene Semiconductors for nâ€Type Organic Thin Film Transistors (OTFTs). Advanced Electronic Materials, 2015, 1, 1500098.	5.1	45
81	Highly Accurate Excited-State Structure of [Os(bpy)₂dcbpy]²⁺ Determined by X-ray Transient Absorption Spectroscopy. Journal of the American Chemical Society, 2014, 136, 8804-8809.	13.7	44
82	Buta-1,3-diyne-Based Ï€-Conjugated Polymers for Organic Transistors and Solar Cells. Macromolecules, 2017, 50, 1430-1441.	4.8	43
83	Direct Observation of Insulin Association Dynamics with Time-Resolved X-ray Scattering. Journal of Physical Chemistry Letters, 2017, 8, 4413-4418.	4.6	43
84	Structural and Conformational Dispersion in the Rational Design of Conjugated Polymers. Macromolecules, 2014, 47, 987-992.	4.8	42
85	Template-stabilized oxidic nickel oxygen evolution catalysts. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16187-16192.	7.1	41
86	Ultrafast Stimulated Emission and Structural Dynamics in Nickel Porphyrins. Journal of Physical Chemistry A, 2007, 111, 11736-11742.	2.5	40
87	X-ray snapshots for metalloporphyrin axial ligation. Chemical Science, 2010, 1, 642.	7.4	40
88	Nonlinear optical response of cofacial phthalocyanine dimers and trimers. Journal of Chemical Physics, 1997, 107, 707-719.	3.0	39
89	Excited state electron and energy relays in supramolecular dinuclear complexes revealed by ultrafast optical and X-ray transient absorption spectroscopy. Chemical Science, 2018, 9, 860-875.	7.4	39
90	X-ray transient absorption structural characterization of the 3MLCT triplet excited state of cis-[Ru(bpy)2(py)2]2+. Dalton Transactions, 2013, 42, 6564.	3.3	38

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91	Detection of high-valent iron species in alloyed oxidic cobaltates for catalysing the oxygen evolution reaction. Nature Communications, 2021, 12, 4218.	12.8	38
92	Wide bandgap OPV polymers based on pyridinonedithiophene unit with efficiency >5%. Chemical Science, 2015, 6, 4860-4866.	7.4	35
93	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. Journal of Physical Chemistry C, 2018, 122, 14195-14204.	3.1	35
94	Tuning the Polarizability in Donor Polymers with a Thiophenesaccharin Unit for Organic Photovoltaic Applications. Advanced Functional Materials, 2014, 24, 3432-3437.	14.9	34
95	Butterfly Deformation Modes in a Photoexcited Pyrazolate-Bridged Pt Complex Measured by Time-Resolved X-Ray Scattering in Solution. Journal of Physical Chemistry A, 2016, 120, 7475-7483.	2.5	34
96	Effects of Exciton Polarity in Charge-Transfer Polymer/PCBM Bulk Heterojunction Films. Journal of Physical Chemistry Letters, 2014, 5, 1856-1863.	4.6	33
97	Equilibration of Imineâ€Linked Polymers to Hexagonal Macrocycles Driven by Selfâ€Assembly. Chemistry - A European Journal, 2018, 24, 3989-3993.	3.3	33
98	Systematic evaluation of structureâ€“property relationships in heteroacene â€“ diketopyrrolopyrrole molecular donors for organic solar cells. Journal of Materials Chemistry A, 2017, 5, 9217-9232.	10.3	31
99	Acid Exfoliation of Imineâ€linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. Angewandte Chemie, 2020, 132, 5203-5209.	2.0	31
100	Application of a multi-element Ge detector in laser pump/x-ray probe time-domain x-ray absorption fine structure. Review of Scientific Instruments, 2002, 73, 362-368.	1.3	30
101	Buckling of Two-Dimensional Covalent Organic Frameworks under Thermal Stress. Industrial & Engineering Chemistry Research, 2019, 58, 9883-9887.	3.7	30
102	Interrogating the photogenerated Ir(iv) state of a water oxidation catalyst using ultrafast optical and X-ray absorption spectroscopy. Chemical Science, 2013, 4, 3863.	7.4	29
103	New insight into metalloporphyrin excited state structures and axial ligand binding from X-ray transient absorption spectroscopic studies. Coordination Chemistry Reviews, 2014, 277-278, 291-299.	18.8	29
104	Detection of a charge-separated catalyst precursor state in a linked photosensitizer-catalyst assembly. Physical Chemistry Chemical Physics, 2013, 15, 21070.	2.8	28
105	A Simple Index for Characterizing Charge Transport in Molecular Materials. Journal of Physical Chemistry Letters, 2015, 6, 1018-1021.	4.6	27
106	Structure and dynamics correlations of photoinduced charge separation in rigid conjugated linear donorâ€“acceptor dyads towards photovoltaic applications. New Journal of Chemistry, 2009, 33, 1497.	2.8	25
107	Ultrafast Structural Dynamics of Cu(I)-Bicinchoninic Acid and Their Implications for Solar Energy Applications. Journal of Physical Chemistry A, 2014, 118, 10497-10506.	2.5	25
108	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanojavelins. ACS Photonics, 2016, 3, 758-763.	6.6	24

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109	Charge transport network dynamics in molecular aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8595-8600.	7.1	24
110	Transient Melting and Recrystallization of Semiconductor Nanocrystals Under Multiple Electronâ€“Hole Pair Excitation. Nano Letters, 2017, 17, 5314-5320.	9.1	23
111	Intriguing Effects of Halogen Substitution on the Photophysical Properties of 2,9-(Bis)halo-Substituted Phenanthrolinecopper(I) Complexes. Inorganic Chemistry, 2019, 58, 7730-7745.	4.0	23
112	Ultrafast Excited-State Dynamics of Photoluminescent Pt(II) Dimers Probed by a Coherent Vibrational Wavepacket. Journal of Physical Chemistry Letters, 2021, 12, 6794-6803.	4.6	23
113	Detailed Transient Heme Structures of Mb-CO in Solution after CO Dissociation: An X-ray Transient Absorption Spectroscopic Study. Journal of Physical Chemistry B, 2013, 117, 4705-4712.	2.6	22
114	Solution Phase Exciton Diffusion Dynamics of a Charge-Transfer Copolymer PTB7 and a Homopolymer P3HT. Journal of Physical Chemistry B, 2015, 119, 7447-7456.	2.6	22
115	Pathway Complexity in the Stacking of Imine-Linked Macrocycles Related to Two-Dimensional Covalent Organic Frameworks. Chemistry of Materials, 2019, 31, 7104-7111.	6.7	22
116	Synergism of cobalt and palladium in MFI zeolite of relevance to NO reduction with methane. Physical Chemistry Chemical Physics, 2002, 4, 1983-1989.	2.8	21
117	Excited State Dynamics and Structures of Functionalized Phthalocyanines. 1. Self-Regulated Assembly of Zinc Helicenocyanine. Journal of Physical Chemistry B, 2005, 109, 16598-16609.	2.6	21
118	Sequential double excitations from linear-response time-dependent density functional theory. Journal of Chemical Physics, 2016, 144, 204105.	3.0	21
119	Probing Cytochrome c Folding Transitions upon Phototriggered Environmental Perturbations Using Time-Resolved X-ray Scattering. Journal of Physical Chemistry B, 2018, 122, 5218-5224.	2.6	21
120	Insulin hexamer dissociation dynamics revealed by photoinduced T-jumps and time-resolved X-ray solution scattering. Photochemical and Photobiological Sciences, 2018, 17, 874-882.	2.9	19
121	Resolving the ultrafast intersystem crossing in a bimetallic platinum complex. Journal of Chemical Physics, 2019, 151, 114303.	3.0	19
122	Excited state molecular structure determination in disordered media using laser pump/X-ray probe time-domain X-ray absorption spectroscopy. Faraday Discussions, 2003, 122, 315-329.	3.2	18
123	Effect of Alkyl Chain Branching Point on 3D Crystallinity in High Nâ€Type Mobility Indolonaphthyridine Polymers. Advanced Functional Materials, 2017, 27, 1704069.	14.9	18
124	Enhanced Fill Factor through Chalcogen Side-Chain Manipulation in Small-Molecule Photovoltaics. ACS Energy Letters, 2017, 2, 2415-2421.	17.4	18
125	Ligand Mediation of Vectorial Charge Transfer in Cu(I)diimine Chromophoreâ€“Acceptor Dyads. Journal of Physical Chemistry Letters, 2018, 9, 2070-2076.	4.6	18
126	Exciton Absorption Spectra by Linear Response Methods: Application to Conjugated Polymers. Journal of the American Chemical Society, 2017, 139, 3728-3735.	13.7	17

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127	Revealing Fast Structural Dynamics in pH-Responsive Peptides with Time-Resolved X-ray Scattering. Journal of Physical Chemistry B, 2019, 123, 2016-2021.	2.6	17
128	Effects of 1,8-diiodooctane on domain nanostructure and charge separation dynamics in PC₇₁BM-based bulk heterojunction solar cells. Journal of Materials Chemistry A, 2018, 6, 23805-23818.	10.3	16
129	X-ray snapshots reveal conformational influence on active site ligation during metalloprotein folding. Chemical Science, 2019, 10, 9788-9800.	7.4	16
130	Processable High Electron Mobility Ï€â€Copolymers via Mesoscale Backbone Conformational Ordering. Advanced Functional Materials, 2021, 31, 2009359.	14.9	16
131	Film formation mechanisms in mixed-dimensional 2D/3D halide perovskite films revealed by in situ grazing-incidence wide-angle X-ray scattering. CheM, 2022, 8, 1067-1082.	11.7	16
132	Can Excited State Electronic Coherence Be Tuned via Molecular Structural Modification? A First-Principles Quantum Electronic Dynamics Study of Pyrazolate-Bridged Pt(II) Dimers. Journal of Physical Chemistry A, 2017, 121, 1932-1939.	2.5	15
133	Unfolding bovine Î± -lactalbumin with T-jump: Characterizing disordered intermediates via time-resolved x-ray solution scattering and molecular dynamics simulations. Journal of Chemical Physics, 2021, 154, 105101.	3.0	15
134	Photothermal behaviour of titanium nitride nanoparticles evaluated by transient X-ray diffraction. Nanoscale, 2021, 13, 2658-2664.	5.6	15
135	Bulky and Stable Copper(I)-Phenanthroline Complex: Impact of Steric Strain and Symmetry on the Excited-State Properties. Inorganic Chemistry, 2022, 61, 7296-7307.	4.0	15
136	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. Nano Letters, 2018, 18, 442-448.	9.1	14
137	Integrating solvation shell structure in experimentally driven molecular dynamics using x-ray solution scattering data. Journal of Chemical Physics, 2020, 152, 204115.	3.0	14
138	Solvothermal depolymerization and recrystallization of imine-linked two-dimensional covalent organic frameworks. Chemical Science, 2021, 12, 16014-16022.	7.4	14
139	Unveiling ultrafast dynamics in bridged bimetallic complexes using optical and X-ray transient absorption spectroscopies. Chemical Science, 2022, 13, 1715-1724.	7.4	14
140	Surface immobilized copper(<scp>i</scp>) diimine photosensitizers as molecular probes for elucidating the effects of confinement at interfaces for solar energy conversion. Chemical Communications, 2020, 56, 12130-12133.	4.1	13
141	Photodissociation Structural Dynamics of TriruthéniumDodecacarbonyl Investigated by X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2013, 117, 9807-9813.	2.5	12
142	Ultrafast dynamics of two copper bis-phenanthroline complexes measured by x-ray transient absorption spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 154006.	1.5	12
143	Investigation of the photoinduced axial ligation process in the excited state of nickel(II) phthalocyanine. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 270-278.	3.9	12
144	Electronic and Nuclear Structural Snapshots in Ligand Dissociation and Recombination Processes of Iron Porphyrin in Solution: A Combined Optical/X-ray Approach. Journal of Physical Chemistry B, 2013, 117, 14089-14098.	2.6	11

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145	The Nature of the Longâ€Lived Excited State in a Ni^{II} Phthalocyanine Complex Investigated by Xâ€Ray Transient Absorption Spectroscopy. ChemSusChem, 2018, 11, 2421-2428.	6.8	11
146	Excited-State Bond Contraction and Charge Migration in a Platinum Dimer Complex Characterized by X-ray and Optical Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 8891-8898.	2.5	11
147	Ligand-Structure-Dependent Coherent Vibrational Wavepacket Dynamics in Pyrazolate-Bridged Pt(II) Dimers. Journal of Physical Chemistry C, 0, , .	3.1	11
148	Temperature and Light-Induced Structural Changes in Photosynthetic Reaction Center Proteins Probed by X-ray Absorption Fine Structure. Journal of Physical Chemistry B, 2004, 108, 3912-3924.	2.6	10
149	Imaging ultrafast excited state pathways in transition metal complexes by X-ray transient absorption and scattering using X-ray free electron laser source. Faraday Discussions, 2016, 194, 639-658.	3.2	10
150	Role of Vibrational Dynamics on Excited-State Electronic Coherence in a Binuclear Platinum Complex. Journal of Physical Chemistry A, 2018, 122, 5071-5077.	2.5	10
151	Transient Lattice Response upon Photoexcitation in CuInSe₂ Nanocrystals with Organic or Inorganic Surface Passivation. ACS Nano, 2020, 14, 13548-13556.	14.6	10
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