

# Lin X Chen

## List of Publications by Year in descending order

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191  
papers

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22132

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197  
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197  
docs citations

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times ranked

15708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer solar cells with enhanced fill factors. <i>Nature Photonics</i> , 2013, 7, 825-833.	15.6	887
2	Effects of Additives on the Morphology of Solution Phase Aggregates Formed by Active Layer Components of High-Efficiency Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 20661-20663.	6.6	501
3	Influence of iron doping on tetravalent nickel content in catalytic oxygen evolving films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1486-1491.	3.3	488
4	Using coherence to enhance function in chemical and biophysical systems. <i>Nature</i> , 2017, 543, 647-656.	13.7	477
5	Seeded growth of single-crystal two-dimensional covalent organic frameworks. <i>Science</i> , 2018, 361, 52-57.	6.0	474
6	Rational Design of Porous Conjugated Polymers and Roles of Residual Palladium for Photocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 7681-7686.	6.6	364
7	When Function Follows Form: Effects of Donor Copolymer Side Chains on Film Morphology and BHJ Solar Cell Performance. <i>Advanced Materials</i> , 2010, 22, 5468-5472.	11.1	315
8	MLCT State Structure and Dynamics of a Copper(I) Diimine Complex Characterized by Pump-Probe X-ray and Laser Spectroscopies and DFT Calculations. <i>Journal of the American Chemical Society</i> , 2003, 125, 7022-7034.	6.6	313
9	XAFS Studies of Surface Structures of TiO <sub>2</sub> Nanoparticles and Photocatalytic Reduction of Metal Ions. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10688-10697.	1.2	310
10	All-Polymer Solar Cell Performance Optimized via Systematic Molecular Weight Tuning of Both Donor and Acceptor Polymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 1240-1251.	6.6	276
11	Fe <sub>2</sub> O <sub>3</sub> Nanoparticle Structures Investigated by X-ray Absorption Near-Edge Structure, Surface Modifications, and Model Calculations. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8539-8546.	1.2	255
12	Photodriven Charge Separation Dynamics in CdSe/ZnS Core/Shell Quantum Dot/Cobaloxime Hybrid for Efficient Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2012, 134, 16472-16475.	6.6	249
13	Morphology-Performance Relationships in High-Efficiency All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1300785.	10.2	227
14	Crystallography, Morphology, Electronic Structure, and Transport in Non-Fullerene/Non-Indacenodithienothiophene Polymer:Y6 Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 14532-14547.	6.6	214
15	Ultrafast Structural Rearrangements in the MLCT Excited State for Copper(I)bis-Phenanthrolines in Solution. <i>Journal of the American Chemical Society</i> , 2007, 129, 2147-2160.	6.6	193
16	Femtosecond X-ray Absorption Spectroscopy at a Hard X-ray Free Electron Laser: Application to Spin Crossover Dynamics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 735-740.	1.1	183
17	Ultrafast Intramolecular Exciton Splitting Dynamics in Isolated Low-Band-Gap Polymers and Their Implications in Photovoltaic Materials Design. <i>Journal of the American Chemical Society</i> , 2012, 134, 4142-4152.	6.6	177
18	Conformational Order in Aggregates of Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 6254-6262.	6.6	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.	4.8	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.	9.5	173
21	Ring-fusion as a perylene diimide dimer design concept for high-performance non-fullerene organic photovoltaic acceptors. Chemical Science, 2016, 7, 3543-3555.	3.7	168
22	Rapid Excited-State Structural Reorganization Captured by Pulsed X-rays. Journal of the American Chemical Society, 2002, 124, 10861-10867.	6.6	162
23	Dopant-Free Hole Transporting Polymers for High Efficiency, Environmentally Stable Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600502.	10.2	156
24	Graphene Oxide Interlayers for Robust, High-Efficiency Organic Photovoltaics. Journal of Physical Chemistry Letters, 2011, 2, 3006-3012.	2.1	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.	1.2	145
26	Photovoltaic Function and Exciton/Charge Transfer Dynamics in a Highly Efficient Semiconducting Copolymer. Advanced Functional Materials, 2014, 24, 10-26.	7.8	134
27	Acid Exfoliation of Imine-Linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. Angewandte Chemie - International Edition, 2020, 59, 5165-5171.	7.2	128
28	The Next Breakthrough for Organic Photovoltaics?. Journal of Physical Chemistry Letters, 2015, 6, 77-84.	2.1	126
29	Photoinduced, reversible phase transitions in all-inorganic perovskite nanocrystals. Nature Communications, 2019, 10, 504.	5.8	121
30	Controlled growth of imine-linked two-dimensional covalent organic framework nanoparticles. Chemical Science, 2019, 10, 3796-3801.	3.7	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.	3.3	110
32	Organic Solar Cells: Recent Progress and Challenges. ACS Energy Letters, 2019, 4, 2537-2539.	8.8	107
33	Taking Snapshots of Photoexcited Molecules in Disordered Media by Using Pulsed Synchrotron X-rays. Angewandte Chemie - International Edition, 2004, 43, 2886-2905.	7.2	105
34	Charge Transfer Dependence on Blend Morphology and Energy Level Alignment in Polymer: ITIC Photovoltaic Materials. Advanced Materials, 2018, 30, 1704263.	11.1	101
35	Materials Design via Optimized Intramolecular Noncovalent Interactions for High-Performance Organic Semiconductors. Chemistry of Materials, 2016, 28, 2449-2460.	3.2	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.	15.6	97

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37	X-ray Spectroscopic Characterization of Co(IV) and Metal–Metal Interactions in Co <sub>4</sub> O <sub>4</sub> : Electronic Structure Contributions to the Formation of High-Valent States Relevant to the Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 11017-11030.	6.6	94
38	In situ characterization of cofacial Co(IV) centers in Co <sub>4</sub> O <sub>4</sub> cubane: Modeling the high-valent active site in oxygen-evolving catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3855-3860.	3.3	93
39	Strong Steric Hindrance Effect on Excited State Structural Dynamics of Cu(I) Diimine Complexes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1984-1992.	1.1	90
40	Marked Consequences of Systematic Oligothiophene Catenation in Thieno[3,4-c]pyrrole-4,6-dione and Bithiopheneimide Photovoltaic Copolymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 12565-12579.	6.6	89
41	In Situ Grazing-Incidence Wide-Angle Scattering Reveals Mechanisms for Phase Distribution and Disorientation in 2D Halide Perovskite Films. <i>Advanced Materials</i> , 2020, 32, e2002812.	11.1	86
42	Highly Efficient Ultrafast Electron Injection from the Singlet MLCT Excited State of Copper(I) Diimine Complexes to TiO <sub>2</sub> Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12711-12715.	7.2	85
43	Development of high-repetition-rate laser pump/x-ray probe methodologies for synchrotron facilities. <i>Review of Scientific Instruments</i> , 2011, 82, 073110.	0.6	84
44	Excited-state molecular structures captured by X-ray transient absorption spectroscopy: a decade and beyond. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, 240-251.	0.3	83
45	Photocatalysts Based on Cobalt-Chelating Conjugated Polymers for Hydrogen Evolution from Water. <i>Chemistry of Materials</i> , 2016, 28, 5394-5399.	3.2	81
46	In Situ GIWAXS Analysis of Solvent and Additive Effects on PTB7 Thin Film Microstructure Evolution during Spin Coating. <i>Advanced Materials</i> , 2017, 29, 1703933.	11.1	80
47	Mesoscale molecular network formation in amorphous organic materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10055-10060.	3.3	79
48	Ultrafast Excited State Relaxation of a Metalloporphyrin Revealed by Femtosecond X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 8752-8764.	6.6	77
49	Tracking Electrons and Atoms in a Photoexcited Metalloporphyrin by X-ray Transient Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 9616-9618.	6.6	76
50	Photophysical and Morphological Implications of Single-Strand Conjugated Polymer Folding in Solution. <i>Chemistry of Materials</i> , 2016, 28, 2814-2822.	3.2	76
51	Visualizing Interfacial Charge Transfer in Ru-Dye-Sensitized TiO <sub>2</sub> Nanoparticles Using X-ray Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 628-632.	2.1	74
52	Triplet Excited State Distortions in a Pyrazolate Bridged Platinum Dimer Measured by X-ray Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12780-12787.	1.1	72
53	Photochemical Processes Revealed by X-ray Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4000-4013.	2.1	70
54	Large Exciton Diffusion Coefficients in Two-Dimensional Covalent Organic Frameworks with Different Domain Sizes Revealed by Ultrafast Exciton Dynamics. <i>Journal of the American Chemical Society</i> , 2020, 142, 14957-14965.	6.6	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. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1921-1931.	1.2	67
56	Small Molecule Acceptor and Polymer Donor Crystallinity and Aggregation Effects on Microstructure Templating: Understanding Photovoltaic Response in Fullerene-Free Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 4432-4444.	3.2	67
57	Influence of Ligand Substitution on Excited State Structural Dynamics in Cu(I) Bisphenanthroline Complexes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14521-14527.	1.2	66
58	Coherence in Metal-to-Ligand-Charge-Transfer Excited States of a Dimetallic Complex Investigated by Ultrafast Transient Absorption Anisotropy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3990-3996.	1.1	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. <i>Journal of the American Chemical Society</i> , 2016, 138, 5511-5514.	6.6	63
60	Electron Injection from Copper Diimine Sensitizers into TiO <sub>2</sub> : Structural Effects and Their Implications for Solar Energy Conversion Devices. <i>Journal of the American Chemical Society</i> , 2015, 137, 9670-9684.	6.6	60
61	X-ray absorption spectroscopic characterization of a cytochrome P450 compound II derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8179-8184.	3.3	59
62	Photoactive Blend Morphology Engineering through Systematically Tuning Aggregation in All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702173.	10.2	57
63	Synthesis, structure, and excited state kinetics of heteroleptic Cu complexes with a new sterically demanding phenanthroline ligand. <i>Dalton Transactions</i> , 2017, 46, 13088-13100.	1.6	56
64	Indolo-naphthyridine-6,13-dione Thiophene Building Block for Conjugated Polymer Electronics: Molecular Origin of Ultrahigh n-Type Mobility. <i>Chemistry of Materials</i> , 2016, 28, 8366-8378.	3.2	52
65	Tunable Excited-State Properties and Dynamics as a Function of Pt-Pt Distance in Pyrazolate-Bridged Pt(II) Dimers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 543-550.	1.1	52
66	Third-order nonlinear optical response in a multilayered phthalocyanine composite. <i>Applied Physics Letters</i> , 1995, 66, 932-934.	1.5	51
67	In Situ Analysis of Solvent and Additive Effects on Film Morphology Evolution in Spin-Cast Small-Molecule and Polymer Photovoltaic Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1800611.	10.2	51
68	Identification of Highly Active Iron Sites in N <sub>2</sub> O-Activated Fe/MFI. <i>Catalysis Letters</i> , 2002, 82, 7-11.	1.4	50
69	Three-Dimensional Local Structure of Photoexcited Cu Diimine Complex Refined by Quantitative XANES Analysis. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5363-5367.	1.1	49
70	Synthesis, structure, ultrafast kinetics, and light-induced dynamics of CuHETPHEN chromophores. <i>Dalton Transactions</i> , 2016, 45, 9871-9883.	1.6	49
71	Dynamics of Photoinduced Electron Transfer in a Molecular Donor-Acceptor Quartet. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11730-11738.	1.2	48
72	Current trends in the optimization of low band gap polymers in bulk heterojunction photovoltaic devices. <i>Journal of Materials Chemistry</i> , 2011, 21, 7849.	6.7	48

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73	Substantial photovoltaic response and morphology tuning in benzo[1,2-b:6,5-b'â€²]dithiophene (bBDT) molecular donors. <i>Chemical Communications</i> , 2014, 50, 4099.	2.2	48
74	Diketopyrrolopyrrole (DPP) functionalized tetrathienothiophene (TTA) small molecules for organic thin film transistors and photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8932-8941.	2.7	48
75	X-ray Transient Absorption and Picosecond IR Spectroscopy of Fulvalene(tetracarbonyl)diruthenium on Photoexcitation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7692-7696.	7.2	47
76	Room Temperature Phase Transition in Methylammonium Lead Iodide Perovskite Thin Films Induced by Hydrohalic Acid Additives. <i>ChemSusChem</i> , 2016, 9, 2656-2665.	3.6	47
77	Probing transient molecular structures with time-resolved pump/probe XAFS using synchrotron X-ray sources. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 119, 161-174.	0.8	46
78	Naphthalene Bis(4,8-diamino-1,5-dicarboxyl)amide Building Block for Semiconducting Polymers. <i>Journal of the American Chemical Society</i> , 2017, 139, 14356-14359.	6.6	46
79	Suppressing Defect Formation Pathways in the Direct C-H Arylation Polymerization of Photovoltaic Copolymers. <i>Macromolecules</i> , 2018, 51, 9140-9155.	2.2	46
80	Diperfluorophenyl Fused Thiophene Semiconductors for n-type Organic Thin Film Transistors (OTFTs). <i>Advanced Electronic Materials</i> , 2015, 1, 1500098.	2.6	45
81	Highly Accurate Excited-State Structure of [Os(bpy) <sub>2</sub> dcby] <sup>2+</sup> Determined by X-ray Transient Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 8804-8809.	6.6	44
82	Buta-1,3-diyne-Based ð-Conjugated Polymers for Organic Transistors and Solar Cells. <i>Macromolecules</i> , 2017, 50, 1430-1441.	2.2	43
83	Direct Observation of Insulin Association Dynamics with Time-Resolved X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4413-4418.	2.1	43
84	Structural and Conformational Dispersion in the Rational Design of Conjugated Polymers. <i>Macromolecules</i> , 2014, 47, 987-992.	2.2	42
85	Template-stabilized oxidic nickel oxygen evolution catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16187-16192.	3.3	41
86	Ultrafast Stimulated Emission and Structural Dynamics in Nickel Porphyrins. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11736-11742.	1.1	40
87	X-ray snapshots for metalloporphyrin axial ligation. <i>Chemical Science</i> , 2010, 1, 642.	3.7	40
88	Nonlinear optical response of cofacial phthalocyanine dimers and trimers. <i>Journal of Chemical Physics</i> , 1997, 107, 707-719.	1.2	39
89	Excited state electron and energy relays in supramolecular dinuclear complexes revealed by ultrafast optical and X-ray transient absorption spectroscopy. <i>Chemical Science</i> , 2018, 9, 860-875.	3.7	39
90	X-ray transient absorption structural characterization of the 3MLCT triplet excited state of cis-[Ru(bpy) <sub>2</sub> (py) <sub>2</sub> ] <sup>2+</sup> . <i>Dalton Transactions</i> , 2013, 42, 6564.	1.6	38

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91	Detection of high-valent iron species in alloyed oxidic cobaltates for catalysing the oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 4218.	5.8	38
92	Wide bandgap OPV polymers based on pyridinonedithiophene unit with efficiency >5%. <i>Chemical Science</i> , 2015, 6, 4860-4866.	3.7	35
93	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14195-14204.	1.5	35
94	Tuning the Polarizability in Donor Polymers with a Thiophenesaccharin Unit for Organic Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2014, 24, 3432-3437.	7.8	34
95	Butterfly Deformation Modes in a Photoexcited Pyrazolate-Bridged Pt Complex Measured by Time-Resolved X-Ray Scattering in Solution. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7475-7483.	1.1	34
96	Effects of Exciton Polarity in Charge-Transfer Polymer/PCBM Bulk Heterojunction Films. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1856-1863.	2.1	33
97	Equilibration of Imine-Linked Polymers to Hexagonal Macrocycles Driven by Self-Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 3989-3993.	1.7	33
98	Systematic evaluation of structure-property relationships in heteroacene diketopyrrolopyrrole molecular donors for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9217-9232.	5.2	31
99	Acid Exfoliation of Imine-Linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. <i>Angewandte Chemie</i> , 2020, 132, 5203-5209.	1.6	31
100	Application of a multi-element Ge detector in laser pump/x-ray probe time-domain x-ray absorption fine structure. <i>Review of Scientific Instruments</i> , 2002, 73, 362-368.	0.6	30
101	Buckling of Two-Dimensional Covalent Organic Frameworks under Thermal Stress. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 9883-9887.	1.8	30
102	Interrogating the photogenerated Ir(IV) state of a water oxidation catalyst using ultrafast optical and X-ray absorption spectroscopy. <i>Chemical Science</i> , 2013, 4, 3863.	3.7	29
103	New insight into metalloporphyrin excited state structures and axial ligand binding from X-ray transient absorption spectroscopic studies. <i>Coordination Chemistry Reviews</i> , 2014, 277-278, 291-299.	9.5	29
104	Detection of a charge-separated catalyst precursor state in a linked photosensitizer-catalyst assembly. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 21070.	1.3	28
105	A Simple Index for Characterizing Charge Transport in Molecular Materials. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1018-1021.	2.1	27
106	Structure and dynamics correlations of photoinduced charge separation in rigid conjugated linear donor-acceptor dyads towards photovoltaic applications. <i>New Journal of Chemistry</i> , 2009, 33, 1497.	1.4	25
107	Ultrafast Structural Dynamics of Cu(II)-Bicinchoninic Acid and Their Implications for Solar Energy Applications. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10497-10506.	1.1	25
108	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanorods. <i>ACS Photonics</i> , 2016, 3, 758-763.	3.2	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.	3.3	24
110	Transient Melting and Recrystallization of Semiconductor Nanocrystals Under Multiple Electron-Hole Pair Excitation. Nano Letters, 2017, 17, 5314-5320.	4.5	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.	1.9	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.	2.1	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.	1.2	22
114	Solution Phase Exciton Diffusion Dynamics of a Charge-Transfer Copolymer <b>PTB7</b> and a Homopolymer <b>P3HT</b>. Journal of Physical Chemistry B, 2015, 119, 7447-7456.	1.2	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.	3.2	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.	1.3	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.	1.2	21
118	Sequential double excitations from linear-response time-dependent density functional theory. Journal of Chemical Physics, 2016, 144, 204105.	1.2	21
119	Probing Cytochrome <i>c</i> Folding Transitions upon Phototriggered Environmental Perturbations Using Time-Resolved X-ray Scattering. Journal of Physical Chemistry B, 2018, 122, 5218-5224.	1.2	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.	1.6	19
121	Resolving the ultrafast intersystem crossing in a bimetallic platinum complex. Journal of Chemical Physics, 2019, 151, 114303.	1.2	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.	1.6	18
123	Effect of Alkyl Chain Branching Point on 3D Crystallinity in High N-type Mobility Indolonaphthyridine Polymers. Advanced Functional Materials, 2017, 27, 1704069.	7.8	18
124	Enhanced Fill Factor through Chalcogen Side-Chain Manipulation in Small-Molecule Photovoltaics. ACS Energy Letters, 2017, 2, 2415-2421.	8.8	18
125	Ligand Mediation of Vectorial Charge Transfer in Cu(I)diimine Chromophore-Acceptor Dyads. Journal of Physical Chemistry Letters, 2018, 9, 2070-2076.	2.1	18
126	Exciton Absorption Spectra by Linear Response Methods: Application to Conjugated Polymers. Journal of the American Chemical Society, 2017, 139, 3728-3735.	6.6	17



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127	Revealing Fast Structural Dynamics in pH-Responsive Peptides with Time-Resolved X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2016-2021.	1.2	17
128	Effects of 1,8-diiodooctane on domain nanostructure and charge separation dynamics in PCBM-based bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23805-23818.	5.2	16
129	X-ray snapshots reveal conformational influence on active site ligation during metalloprotein folding. <i>Chemical Science</i> , 2019, 10, 9788-9800.	3.7	16
130	Processable High Electron Mobility Copolymers via Mesoscale Backbone Conformational Ordering. <i>Advanced Functional Materials</i> , 2021, 31, 2009359.	7.8	16
131	Film formation mechanisms in mixed-dimensional 2D/3D halide perovskite films revealed by in situ grazing-incidence wide-angle X-ray scattering. <i>CheM</i> , 2022, 8, 1067-1082.	5.8	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. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1932-1939.	1.1	15
133	Unfolding bovine $\alpha$ -lactalbumin with T-jump: Characterizing disordered intermediates via time-resolved x-ray solution scattering and molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2021, 154, 105101.	1.2	15
134	Photothermal behaviour of titanium nitride nanoparticles evaluated by transient X-ray diffraction. <i>Nanoscale</i> , 2021, 13, 2658-2664.	2.8	15
135	Bulky and Stable Copper(I)-Phenanthroline Complex: Impact of Steric Strain and Symmetry on the Excited-State Properties. <i>Inorganic Chemistry</i> , 2022, 61, 7296-7307.	1.9	15
136	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. <i>Nano Letters</i> , 2018, 18, 442-448.	4.5	14
137	Integrating solvation shell structure in experimentally driven molecular dynamics using x-ray solution scattering data. <i>Journal of Chemical Physics</i> , 2020, 152, 204115.	1.2	14
138	Solvothermal depolymerization and recrystallization of imine-linked two-dimensional covalent organic frameworks. <i>Chemical Science</i> , 2021, 12, 16014-16022.	3.7	14
139	Unveiling ultrafast dynamics in bridged bimetallic complexes using optical and X-ray transient absorption spectroscopies. <i>Chemical Science</i> , 2022, 13, 1715-1724.	3.7	14
140	Surface immobilized copper diimine photosensitizers as molecular probes for elucidating the effects of confinement at interfaces for solar energy conversion. <i>Chemical Communications</i> , 2020, 56, 12130-12133.	2.2	13
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