Lin X Chen

List of Publications by Year
in descending order

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		22132	24232
191	13,177	59	110
papers	citations	h-index	g-index

197	197	197	15708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Layered structures of assembled imine-linked macrocycles and two-dimensional covalent organic frameworks give rise to prolonged exciton lifetimes. Journal of Materials Chemistry C, 2022, 10, 3015-3026.	2.7	7
2	Long-Lived Excited State in a Solubilized Graphene Nanoribbon. Journal of Physical Chemistry C, 2022, 126, 1946-1957.	1.5	1
3	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.	5.8	16
4	Unveiling ultrafast dynamics in bridged bimetallic complexes using optical and X-ray transient absorption spectroscopies. Chemical Science, 2022, 13, 1715-1724.	3.7	14
5	Bulky and Stable Copper(I)-Phenanthroline Complex: Impact of Steric Strain and Symmetry on the Excited-State Properties. Inorganic Chemistry, 2022, 61, 7296-7307.	1.9	15
6	Anisotropic Transient Disordering of Colloidal, Two-Dimensional CdSe Nanoplatelets upon Optical Excitation. Nano Letters, 2021, 21, 1288-1294.	4.5	8
7	Processable High Electron Mobility Ï€â€Copolymers via Mesoscale Backbone Conformational Ordering. Advanced Functional Materials, 2021, 31, 2009359.	7.8	16
8	Interplays of electron and nuclear motions along CO dissociation trajectory in myoglobin revealed by ultrafast X-rays and quantum dynamics calculations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
9	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.	1.2	15
10	Detection of high-valent iron species in alloyed oxidic cobaltates for catalysing the oxygen evolution reaction. Nature Communications, 2021, 12, 4218.	5.8	38
11	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
12	X-ray multi-probe data acquisition: A novel technique for laser pump x-ray transient absorption spectroscopy. Review of Scientific Instruments, 2021, 92, 085109.	0.6	7
13	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.	1.1	11
14	Photothermal behaviour of titanium nitride nanoparticles evaluated by transient X-ray diffraction. Nanoscale, 2021, 13, 2658-2664.	2.8	15
15	Excited-state structural dynamics of nickel complexes probed by optical and X-ray transient absorption spectroscopies: insights and implications. Chemical Communications, 2021, 57, 11904-11921.	2.2	7
16	General Design Rules for Bimetallic Platinum(II) Complexes. Journal of Physical Chemistry A, 2021, 125, 9438-9449.	1.1	7
17	Resolving Dynamics in the Ensemble: Finding Paths through Intermediate States and Disordered Protein Structures. Journal of Physical Chemistry B, 2021, 125, 12401-12412.	1.2	4
18	Solvothermal depolymerization and recrystallization of imine-linked two-dimensional covalent organic frameworks. Chemical Science, 2021, 12, 16014-16022.	3.7	14

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19	Excited-state structure of copper phenanthroline-based photosensitizers. Physical Chemistry Chemical Physics, 2021, 23, 26729-26736.	1.3	6
20	Acid Exfoliation of Imineâ€linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. Angewandte Chemie, 2020, 132, 5203-5209.	1.6	31
21	Acid Exfoliation of Imineâ€linked Covalent Organic Frameworks Enables Solution Processing into Crystalline Thin Films. Angewandte Chemie - International Edition, 2020, 59, 5165-5171.	7.2	128
22	Photophysics of graphene quantum dot assemblies with axially coordinated cobaloxime catalysts. Journal of Chemical Physics, 2020, 153, 124903.	1.2	5
23	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.	6.6	214
24	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.	6.6	68
25	Charge generation mechanism tuned via film morphology in small molecule bulk-heterojunction photovoltaic materials. Journal of Materials Chemistry C, 2020, 8, 15234-15252.	2.7	8
26	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.	2.2	13
27	Transient Lattice Response upon Photoexcitation in CuInSe₂ Nanocrystals with Organic or Inorganic Surface Passivation. ACS Nano, 2020, 14, 13548-13556.	7.3	10
28	Integrating solvation shell structure in experimentally driven molecular dynamics using x-ray solution scattering data. Journal of Chemical Physics, 2020, 152, 204115.	1.2	14
29	Effects of Intra- and Interchain Interactions on Exciton Dynamics of PTB7 Revealed by Model Oligomers. Molecules, 2020, 25, 2441.	1.7	4
30	Photophysical implications of ring fusion, linker length, and twisting angle in a series of perylenediimideâ€“thienoacene dimers. Chemical Science, 2020, 11, 7133-7143.	3.7	6
31	In Situ Grazingâ€Incidence Wideâ€Angle Scattering Reveals Mechanisms for Phase Distribution and Disorientation in 2D Halide Perovskite Films. Advanced Materials, 2020, 32, e2002812.	11.1	86
32	Template-stabilized oxidic nickel oxygen evolution catalysts. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16187-16192.	3.3	41
33	From photosynthesis to photocatalysis: Dual catalytic oxidation/reduction in one system. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8672-8673.	3.3	3
34	Phase control of coherent acoustic phonons in gold bipyramids for optical memory and manipulating plasmonâ€“exciton coupling. Applied Physics Letters, 2020, 116, 153102.	1.5	1
35	Rapid acquisition of broadband two-dimensional electronic spectra by continuous scanning with conventional delay lines. Optics Letters, 2020, 45, 2942.	1.7	7
36	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

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37	Organic Solar Cells: Recent Progress and Challenges. ACS Energy Letters, 2019, 4, 2537-2539.	8.8	107
38	X-ray snapshots reveal conformational influence on active site ligation during metalloprotein folding. Chemical Science, 2019, 10, 9788-9800.	3.7	16
39	Resolving the ultrafast intersystem crossing in a bimetallic platinum complex. Journal of Chemical Physics, 2019, 151, 114303.	1.2	19
40	Side Chain and Solvent Direction of Film Morphology in Small-Molecule Organic Solar Materials. Chemistry of Materials, 2019, 31, 8308-8319.	3.2	9
41	Phonon-induced plasmon-exciton coupling changes probed via oscillation-associated spectra. Applied Physics Letters, 2019, 115, .	1.5	3
42	Photoinduced, reversible phase transitions in all-inorganic perovskite nanocrystals. Nature Communications, 2019, 10, 504.	5.8	121
43	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.	2.0	12
44	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
45	Buckling of Two-Dimensional Covalent Organic Frameworks under Thermal Stress. Industrial & Engineering Chemistry Research, 2019, 58, 9883-9887.	1.8	30
46	Revealing Fast Structural Dynamics in pH-Responsive Peptides with Time-Resolved X-ray Scattering. Journal of Physical Chemistry B, 2019, 123, 2016-2021.	1.2	17
47	Controlled growth of imine-linked two-dimensional covalent organic framework nanoparticles. Chemical Science, 2019, 10, 3796-3801.	3.7	118
48	Solvent-dependent complex reaction pathways of bromoform revealed by time-resolved X-ray solution scattering and X-ray transient absorption spectroscopy. Structural Dynamics, 2019, 6, 064902.	0.9	8
49	We Editors Are Authors, Too. ACS Energy Letters, 2019, 4, 249-250.	8.8	2
50	(Invited) Electronic Structures of Metal Centers in OER Catalyst Models and Electron/Energy Relays in the Excited State Supramolecular Dinuclear Transition Metal Complexes. ECS Meeting Abstracts, 2019, , .	0.0	0
51	Ligand Mediation of Vectorial Charge Transfer in Cu(I)diimine Chromophoreâ€“Acceptor Dyads. Journal of Physical Chemistry Letters, 2018, 9, 2070-2076.	2.1	18
52	Role of Vibrational Dynamics on Excited-State Electronic Coherence in a Binuclear Platinum Complex. Journal of Physical Chemistry A, 2018, 122, 5071-5077.	1.1	10
53	Equilibration of Imineâ€Linked Polymers to Hexagonal Macrocycles Driven by Selfâ€Assembly. Chemistry - A European Journal, 2018, 24, 3989-3993.	1.7	33
54	Energy Research Outlook. What to Look for in 2018. ACS Energy Letters, 2018, 3, 261-263.	8.8	9

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55	Photoactive Blend Morphology Engineering through Systematically Tuning Aggregation in Allâ€Polymer Solar Cells. Advanced Energy Materials, 2018, 8, 1702173.	10.2	57
56	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. Journal of Physical Chemistry C, 2018, 122, 14195-14204.	1.5	35
57	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.	3.7	39
58	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. Nano Letters, 2018, 18, 442-448.	4.5	14
59	Holeâ€Transfer Dependence on Blend Morphology and Energy Level Alignment in Polymer: ITIC Photovoltaic Materials. Advanced Materials, 2018, 30, 1704263.	11.1	101
60	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.	5.2	16
61	Suppressing Defect Formation Pathways in the Direct Câ€“H Arylation Polymerization of Photovoltaic Copolymers. Macromolecules, 2018, 51, 9140-9155.	2.2	46
62	Optical Signatures of Transiently Disordered Semiconductor Nanocrystals. ACS Nano, 2018, 12, 10008-10015.	7.3	9
63	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.	10.2	51
64	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.	3.6	11
65	Seeded growth of single-crystal two-dimensional covalent organic frameworks. Science, 2018, 361, 52-57.	6.0	474
66	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
67	Probing Cytochrome c Folding Transitions upon Phototriggered Environmental Perturbations Using Time-Resolved X-ray Scattering. Journal of Physical Chemistry B, 2018, 122, 5218-5224.	1.2	21
68	Beyond PCE: Looking at a Big Picture in Photovoltaic Research. ACS Energy Letters, 2018, 3, 1967-1968.	8.8	5
69	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.	3.3	488
70	Exciton Absorption Spectra by Linear Response Methods: Application to Conjugated Polymers. Journal of the American Chemical Society, 2017, 139, 3728-3735.	6.6	17
71	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.	1.1	15
72	Buta-1,3-diyne-Based Ï€-Conjugated Polymers for Organic Transistors and Solar Cells. Macromolecules, 2017, 50, 1430-1441.	2.2	43

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73	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.	5.2	31
74	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.	3.2	67
75	Using coherence to enhance function in chemical and biophysical systems. Nature, 2017, 543, 647-656.	13.7	477
76	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.	3.3	93
77	In Situ GIWAXS Analysis of Solvent and Additive Effects on PTB7 Thin Film Microstructure Evolution during Spin Coating. Advanced Materials, 2017, 29, 1703933.	11.1	80
78	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.	1.6	56
79	Naphthalene Bis(4,8-diamino-1,5-dicarboxyl)amide Building Block for Semiconducting Polymers. Journal of the American Chemical Society, 2017, 139, 14356-14359.	6.6	46
80	Effect of Alkyl Chain Branching Point on 3D Crystallinity in High Nâ€Type Mobility Indolonaphthyridine Polymers. Advanced Functional Materials, 2017, 27, 1704069.	7.8	18
81	From Photosynthesis to Photovoltaics: Finding Right Structures for High Photoconversion Efficiency. ACS Energy Letters, 2017, 2, 2516-2517.	8.8	1
82	Enhanced Fill Factor through Chalcogen Side-Chain Manipulation in Small-Molecule Photovoltaics. ACS Energy Letters, 2017, 2, 2415-2421.	8.8	18
83	Direct Observation of Insulin Association Dynamics with Time-Resolved X-ray Scattering. Journal of Physical Chemistry Letters, 2017, 8, 4413-4418.	2.1	43
84	Transient Melting and Recrystallization of Semiconductor Nanocrystals Under Multiple Electronâ€“Hole Pair Excitation. Nano Letters, 2017, 17, 5314-5320.	4.5	23
85	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
86	Tayi et al. reply. Nature, 2017, 547, E14-E15.	13.7	3
87	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.	0.6	12
88	Photocatalysts Based on Cobalt-Chelating Conjugated Polymers for Hydrogen Evolution from Water. Chemistry of Materials, 2016, 28, 5394-5399.	3.2	81
89	Dopantâ€Free Hole Transporting Polymers for High Efficiency, Environmentally Stable Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600502.	10.2	156
90	Sequential double excitations from linear-response time-dependent density functional theory. Journal of Chemical Physics, 2016, 144, 204105.	1.2	21

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91	A n-vector model for charge transport in molecular semiconductors. Journal of Chemical Physics, 2016, 145, 204102.	1.2	6
92	Photophysical and Morphological Implications of Single-Strand Conjugated Polymer Folding in Solution. Chemistry of Materials, 2016, 28, 2814-2822.	3.2	76
93	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanojavelins. ACS Photonics, 2016, 3, 758-763.	3.2	24
94	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.	6.6	63
95	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.	1.6	10
96	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.	1.1	34
97	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.	6.6	94
98	Room Temperature Phase Transition in Methylammonium Lead Iodide Perovskite Thin Films Induced by Hydrohalic Acid Additives. ChemSusChem, 2016, 9, 2656-2665.	3.6	47
99	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
100	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.	3.2	52
101	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
102	Ultrafast Excited State Relaxation of a Metalloporphyrin Revealed by Femtosecond X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2016, 138, 8752-8764.	6.6	77
103	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.	6.6	364
104	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.	1.1	52
105	Materials Design via Optimized Intramolecular Noncovalent Interactions for High-Performance Organic Semiconductors. Chemistry of Materials, 2016, 28, 2449-2460.	3.2	99
106	Molecular Structure Controlled Transitions between Free-Charge Generation and Trap Formation in a Conjugated Copolymer Series. Journal of Physical Chemistry C, 2016, 120, 4189-4198.	1.5	9
107	Ring-fusion as a perylenediimide dimer design concept for high-performance non-fullerene organic photovoltaic acceptors. Chemical Science, 2016, 7, 3543-3555.	3.7	168
108	Synthesis, structure, ultrafast kinetics, and light-induced dynamics of CuHETPHEN chromophores. Dalton Transactions, 2016, 45, 9871-9883.	1.6	49

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109	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.	6.6	276
110	Diperfluorophenyl Fused Thiophene Semiconductors for nâ€Type Organic Thin Film Transistors (OTFTs). Advanced Electronic Materials, 2015, 1, 1500098.	2.6	45
111	Wide bandgap OPV polymers based on pyridinonedithiophene unit with efficiency >5%. Chemical Science, 2015, 6, 4860-4866.	3.7	35
112	Solution Phase Exciton Diffusion Dynamics of a Charge-Transfer Copolymer PTB7 and a Homopolymer P3HT. Journal of Physical Chemistry B, 2015, 119, 7447-7456.	1.2	22
113	A Simple Index for Characterizing Charge Transport in Molecular Materials. Journal of Physical Chemistry Letters, 2015, 6, 1018-1021.	2.1	27
114	Diketopyrrolopyrrole (DPP) functionalized tetrathienothiophene (TTA) small molecules for organic thin film transistors and photovoltaic cells. Journal of Materials Chemistry C, 2015, 3, 8932-8941.	2.7	48
115	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.	6.6	60
116	Conformational Order in Aggregates of Conjugated Polymers. Journal of the American Chemical Society, 2015, 137, 6254-6262.	6.6	177
117	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.	6.6	89
118	Pushing Single-Oxygen-Atom-Bridged Bimetallic Systems to the Right: A Cryptand-Encapsulated Coâ€“Oâ€“Co Unit. Journal of the American Chemical Society, 2015, 137, 15354-15357.	6.6	9
119	The Next Breakthrough for Organic Photovoltaics?. Journal of Physical Chemistry Letters, 2015, 6, 77-84.	2.1	126
120	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
121	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.	9.5	29
122	Photovoltaic Function and Exciton/Charge Transfer Dynamics in a Highly Efficient Semiconducting Copolymer. Advanced Functional Materials, 2014, 24, 10-26.	7.8	134
123	Tuning the Polarizability in Donor Polymers with a Thiophenesaccharin Unit for Organic Photovoltaic Applications. Advanced Functional Materials, 2014, 24, 3432-3437.	7.8	34
124	Morphologyâ€Performance Relationships in Highâ€Efficiency Allâ€Polymer Solar Cells. Advanced Energy Materials, 2014, 4, 1300785.	10.2	227
125	Substantial photovoltaic response and morphology tuning in benzo[1,2-b:6,5-bâ€²]dithiophene (bBDT) molecular donors. Chemical Communications, 2014, 50, 4099.	2.2	48
126	Structural and Conformational Dispersion in the Rational Design of Conjugated Polymers. Macromolecules, 2014, 47, 987-992.	2.2	42

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127	Ultrafast Structural Dynamics of Cu(I)-Bicinchoninic Acid and Their Implications for Solar Energy Applications. Journal of Physical Chemistry A, 2014, 118, 10497-10506.	1.1	25
128	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.	3.3	79
129	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.	6.6	44
130	Effects of Exciton Polarity in Charge-Transfer Polymer/PCBM Bulk Heterojunction Films. Journal of Physical Chemistry Letters, 2014, 5, 1856-1863.	2.1	33
131	Organic Photovoltaics: Photovoltaic Function and Exciton/Charge Transfer Dynamics in a Highly Efficient Semiconducting Copolymer (Adv. Funct. Mater. 1/2014). Advanced Functional Materials, 2014, 24, 2-2.	7.8	0
132	Polymer solar cells with enhanced fill factors. Nature Photonics, 2013, 7, 825-833.	15.6	887
133	Interrogating the photogenerated Ir(iv) state of a water oxidation catalyst using ultrafast optical and X-ray absorption spectroscopy. Chemical Science, 2013, 4, 3863.	3.7	29
134	Photochemical Processes Revealed by X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 4000-4013.	2.1	70
135	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.	1.2	11
136	Detection of a charge-separated catalyst precursor state in a linked photosensitizer-catalyst assembly. Physical Chemistry Chemical Physics, 2013, 15, 21070.	1.3	28
137	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.	1.6	38
138	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.	1.1	183
139	Photodissociation Structural Dynamics of TriruthéniumDodecacarbonyl Investigated by X-ray Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2013, 117, 9807-9813.	1.1	12
140	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.	1.2	67
141	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
142	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.	7.2	85
143	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.	6.6	249
144	Strong Steric Hindrance Effect on Excited State Structural Dynamics of Cu(I) Diimine Complexes. Journal of Physical Chemistry A, 2012, 116, 1984-1992.	1.1	90

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145	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.	6.6	177
146	Xâ€ray Transient Absorption and Picosecond IR Spectroscopy of Fulvalene(tetracarbonyl)diruthenium on Photoexcitation. Angewandte Chemie - International Edition, 2012, 51, 7692-7696.	7.2	47
147	Development of high-repetition-rate laser pump/x-ray probe methodologies for synchrotron facilities. Review of Scientific Instruments, 2011, 82, 073110.	0.6	84
148	Coherence in Metalâ^'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.	1.1	65
149	Graphene Oxide Interlayers for Robust, High-Efficiency Organic Photovoltaics. Journal of Physical Chemistry Letters, 2011, 2, 3006-3012.	2.1	154
150	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.	2.1	74
151	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
152	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.	6.6	501
153	Length-dependent self-assembly of oligothiophene derivatives in thin films. Journal of Materials Research, 2011, 26, 296-305.	1.2	4
154	When Function Follows Form: Effects of Donor Copolymer Side Chains on Film Morphology and BHJ Solar Cell Performance. Advanced Materials, 2010, 22, 5468-5472.	11.1	315
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