Majed Chergui

List of Publications by Year
in descending order

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307 papers	14,099 citations	17440 63 h-index	30087 103 g-index
326 all docs	326 docs citations	326 times ranked	11325 citing authors

#	Article	IF	Citations
1	Nanoscale-Resolved Surface-to-Bulk Electron Transport in CsPbBr₃ Perovskite. Nano Letters, 2022, 22, 1067-1074.	9.1	6
2	Disentangling Light- and Temperature-Induced Thermal Effects in Colloidal Au Nanoparticles. Journal of Physical Chemistry C, 2022, 126, 3591-3599.	3.1	6
3	Carbon K-edge x-ray emission spectroscopy of gas phase ethylenic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 044001.	1.5	5
4	Exciton decay mechanism in DNA single strands: back-electron transfer and ultrafast base motions. Chemical Science, 2022, 13, 5230-5242.	7.4	5
5	Atomic-Level Description of Thermal Fluctuations in Inorganic Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2022, 13, 3382-3391.	4.6	13
6	Chiral control of spin-crossover dynamics in Fe(II) complexes. Nature Chemistry, 2022, 14, 739-745.	13.6	28
7	Hard X-ray helical dichroism of disordered molecular media. Nature Photonics, 2022, 16, 570-574.	31.4	20
8	Femtosecond X-ray spectroscopy of haem proteins. Faraday Discussions, 2021, 228, 312-328.	3.2	2
9	Strain wave pathway to semiconductor-to-metal transition revealed by time-resolved X-ray powder diffraction. Nature Communications, 2021, 12, 1239.	12.8	29
10	Hard X-ray transient grating spectroscopy on bismuth germanate. Nature Photonics, 2021, 15, 499-503.	31.4	31
11	Quantifying Photoinduced Polaronic Distortions in Inorganic Lead Halide Perovskite Nanocrystals. Journal of the American Chemical Society, 2021, 143, 9048-9059.	13.7	33
12	Broadband visible two-dimensional spectroscopy of molecular dyes. Journal of Chemical Physics, 2021, 155, 034201.	3.0	9
13	Time-resolved ultrafast spectroscopy: general discussion. Faraday Discussions, 2021, 228, 329-348.	3.2	2
14	Ultrafast photoelectron spectroscopy of photoexcited aqueous ferrioxalate. Physical Chemistry Chemical Physics, 2021, 23, 25308-25316.	2.8	8
15	Ultrafast Intersystem Crossing and Structural Dynamics of [Pt(ppy)(Î¼-^tBu₂pz)]₂. Inorganic Chemistry, 2020, 59, 14643-14653.	4.0	17
16	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	7.8	47
17	Slow Charge Carrier Relaxation in Gold Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 24322-24330.	3.1	7
18	Energy relaxation pathways between light-matter states revealed by coherent two-dimensional spectroscopy. Communications Physics, 2020, 3, .	5.3	37

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19	Spin cascade and doming in ferric hemes: Femtosecond X-ray absorption and X-ray emission studies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21914-21920.	7.1	27
20	Giant Exciton Mott Density in Anatase <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TiO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2020, 125, 116403.	7.8	8
21	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. Nature Communications, 2020, 11, 4145.	12.8	29
22	A compact and cost-effective hard X-ray free-electron laser driven by a high-brightness and low-energy electron beam. Nature Photonics, 2020, 14, 748-754.	31.4	140
23	Evidence of Large Polarons in Photoemission Band Mapping of the Perovskite Semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CsPbBr</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mr Physical Review Letters, 2020, 124, 206402.	7.8	74
24	Mahan excitons in room-temperature methylammonium lead bromide perovskites. Nature Communications, 2020, 11, 850.	12.8	31
25	Launching Structural Dynamics. Structural Dynamics, 2020, 7, 060401.	2.3	1
26	X-ray absorption linear dichroism at the Ti K-edge of rutile (001) TiO₂ single crystal. Journal of Synchrotron Radiation, 2020, 27, 425-435.	2.4	7
27	Photoemission from non-polar aromatic molecules in the gas and liquid phase. Physical Chemistry Chemical Physics, 2020, 22, 3965-3974.	2.8	5
28	Electron Dynamics in Anatase TiO2 Nanoparticles by Ultrafast Broadband Deep-Ultraviolet Spectroscopy. EPJ Web of Conferences, 2019, 205, 05017.	0.3	0
29	Energy and charge-transfer in natural photosynthesis: general discussion. Faraday Discussions, 2019, 216, 133-161.	3.2	1
30	Exciton dynamics in DNA oligomers studied by broadband deep-UV transient absorption spectroscopy. EPJ Web of Conferences, 2019, 205, 10006.	0.3	0
31	Ultrafast Broadband Fluorescence Up-conversion Study of the Electronic Relaxation of Metalloporphyrins. Journal of Physical Chemistry A, 2019, 123, 1461-1468.	2.5	11
32	Broad-Band Ultraviolet CD Spectroscopy of Ultrafast Peptide Backbone Conformational Dynamics. Journal of Physical Chemistry Letters, 2019, 10, 2700-2705.	4.6	22
33	Ultrafast photoinduced energy and charge transfer. Faraday Discussions, 2019, 216, 9-37.	3.2	5
34	Referee acknowledgment for 2018. Structural Dynamics, 2019, 6, .	2.3	0
35	Ultrafast molecular photophysics in the deep-ultraviolet. Journal of Chemical Physics, 2019, 150, 070901.	3.0	24
36	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. Physical Chemistry Chemical Physics, 2019, 21, 26301-26310.	2.8	9

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37	Exciton control in a room temperature bulk semiconductor with coherent strain pulses. Science Advances, 2019, 5, eaax2937.	10.3	28
38	Toward time-resolved laser T-jump/X-ray probe spectroscopy in aqueous solutions. Structural Dynamics, 2019, 6, 064303.	2.3	11
39	Towards X-ray transient grating spectroscopy. Optics Letters, 2019, 44, 574.	3.3	17
40	Ultrafast broadband circular dichroism in the deep ultraviolet. Optica, 2019, 6, 56.	9.3	59
41	Shedding Light on Quantum Materials via Ultrafast Broadband Laser Spectroscopy. , 2019, , .		0
42	Revealing hole trapping in zinc oxide nanoparticles by time-resolved X-ray spectroscopy. Nature Communications, 2018, 9, 478.	12.8	84
43	Clocking the Ultrafast Electron Cooling in Anatase Titanium Dioxide Nanoparticles. ACS Photonics, 2018, 5, 1241-1249.	6.6	33
44	Hydrophobic interactions of sucralose with protein structures. Archives of Biochemistry and Biophysics, 2018, 639, 38-43.	3.0	16
45	Dynamic multiple-scattering treatment of X-ray absorption: Parameterization of a new molecular dynamics force field for myoglobin. Structural Dynamics, 2018, 5, 054101.	2.3	5
46	Editorial: In Memoriam â€“ Judith Flippen-Anderson (1941â€“2018). Structural Dynamics, 2018, 5, 040401.	2.3	1
47	A Legacy in Chemistry. CheM, 2018, 4, 2242-2249.	11.7	1
48	Vibrational coherence transfer in the ultrafast intersystem crossing of a diplatinum complex in solution. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6396-E6403.	7.1	51
49	Ultrafast photophysics and photochemistry of iron hexacyanides in solution: Infrared to X-ray spectroscopic studies. Coordination Chemistry Reviews, 2018, 372, 52-65.	18.8	24
50	Phonon-Driven Selective Modulation of Exciton Oscillator Strengths in Anatase TiO₂ Nanoparticles. Nano Letters, 2018, 18, 5007-5014.	9.1	29
51	Photophysical Heavy-Atom Effect in Iodinated Metallocorroles: Spinâ€“Orbit Coupling and Density of States. Journal of Physical Chemistry A, 2018, 122, 7256-7266.	2.5	22
52	Ultrafast X-Ray Spectroscopy of Conical Intersections. Physical Review Letters, 2018, 120, 243001.	7.8	77
53	Localized holes and delocalized electrons in photoexcited inorganic perovskites: Watching each atomic actor by picosecond X-ray absorption spectroscopy. Structural Dynamics, 2017, 4, 044002.	2.3	61
54	Conservation of vibrational coherence in ultrafast electronic relaxation: The case of diplatinum complexes in solution. Chemical Physics Letters, 2017, 683, 112-120.	2.6	36

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55	Strongly bound excitons in anatase TiO2 single crystals and nanoparticles. Nature Communications, 2017, 8, 13.	12.8	148
56	Photoaquation Mechanism of Hexacyanoferrate(II) Ions: Ultrafast 2D UV and Transient Visible and IR Spectroscopies. Journal of the American Chemical Society, 2017, 139, 7335-7347.	13.7	43
57	Harmonium: An Ultrafast Vacuum Ultraviolet Facility. Chimia, 2017, 71, 268.	0.6	7
58	Time-resolved ARPES at LACUS: Band Structure and Ultrafast Electron Dynamics of Solids. Chimia, 2017, 71, 273.	0.6	9
59	Photophysics of a copper phenanthroline elucidated by trajectory and wavepacket-based quantum dynamics: a synergetic approach. Physical Chemistry Chemical Physics, 2017, 19, 19590-19600.	2.8	48
60	From structure to structural dynamics: Ahmed Zewail's legacy. Structural Dynamics, 2017, 4, 043802.	2.3	4
61	Correction: Retraction: Charge transfer to solvent identified using dark channel fluorescence-yield L-edge spectroscopy. Nature Chemistry, 2017, 9, 828-828.	13.6	4
62	Interfacial Electron Injection Probed by a Substrate-Specific Excitonic Signature. Journal of the American Chemical Society, 2017, 139, 11584-11589.	13.7	27
63	Anomalous anisotropic exciton temperature dependence in rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	3.2	8
64	Photoemission and photoionization time delays and rates. Structural Dynamics, 2017, 4, 061502.	2.3	39
65	Charge-transfer and impulsive electronic-to-vibrational energy conversion in ferricyanide: ultrafast photoelectron and transient infrared studies. Physical Chemistry Chemical Physics, 2017, 19, 17052-17062.	2.8	41
66	Photoinduced Structural Dynamics of Molecular Systems Mapped by Time-Resolved X-ray Methods. Chemical Reviews, 2017, 117, 11025-11065.	47.7	189
67	The LOUVRE Laboratory: State-of-the-Art Ultrafast Ultraviolet Spectroscopies for Molecular and Materials Science. Chimia, 2017, 71, 288-294.	0.6	2
68	Nonadiabatic effects in electronic and nuclear dynamics. Structural Dynamics, 2017, 4, 061510.	2.3	31
69	Charge migration and charge transfer in molecular systems. Structural Dynamics, 2017, 4, 061508.	2.3	146
70	Perspective: Opportunities for ultrafast science at SwissFEL. Structural Dynamics, 2017, 4, 061602.	2.3	40
71	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503.	2.3	13
72	Implications of short time scale dynamics on long time processes. Structural Dynamics, 2017, 4, 061507.	2.3	24

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73	Time-resolved Element-selective Probing of Charge Carriers in Solar Materials. Chimia, 2017, 71, 768.	0.6	11
74	Dual Luminescence, Interligand Decay, and Nonradiative Electronic Relaxation of Cyclometalated Iridium Complexes in Solution. Journal of Physical Chemistry C, 2016, 120, 16459-16469.	3.1	42
75	Excited state X-ray absorption spectroscopy: Probing both electronic and structural dynamics. Journal of Chemical Physics, 2016, 145, 144307.	3.0	39
76	Time-resolved X-ray spectroscopies of chemical systems: New perspectives. Structural Dynamics, 2016, 3, 031001.	2.3	53
77	Harmonium: A pulse preserving source of monochromatic extreme ultraviolet (30â€“110â€‰eV) radiation for ultrafast photoelectron spectroscopy of liquids. Structural Dynamics, 2016, 3, 023602.	2.3	47
78	Laser-Assisted Photoelectric Effect from Liquids. Physical Review Letters, 2016, 117, 143001.	7.8	15
79	Beyond structure: ultrafast X-ray absorption spectroscopy as a probe of non-adiabatic wavepacket dynamics. Faraday Discussions, 2016, 194, 117-145.	3.2	52
80	Retardation of Bulk Water Dynamics by Disaccharide Osmolytes. Journal of Physical Chemistry B, 2016, 120, 9477-9483.	2.6	26
81	Femtosecond X-ray absorption study of electron localization in photoexcited anatase TiO2. Scientific Reports, 2015, 5, 14834.	3.3	56
82	Note: Small anaerobic chamber for optical spectroscopy. Review of Scientific Instruments, 2015, 86, 106101.	1.3	2
83	NO binding kinetics in myoglobin investigated by picosecond Fe K-edge absorption spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12922-12927.	7.1	30
84	Photo-induced dynamics of the heme centers in cytochrome bc₁. Physical Chemistry Chemical Physics, 2015, 17, 2143-2151.	2.8	8
85	Ligand-Centred Fluorescence and Electronic Relaxation Cascade at Vibrational Time Scales in Transition-Metal Complexes. Journal of Physical Chemistry Letters, 2015, 6, 4475-4480.	4.6	29
86	Ultrafast Photophysics of Transition Metal Complexes. Accounts of Chemical Research, 2015, 48, 801-808.	15.6	165
87	Empirical rules of molecular photophysics in the light of ultrafast spectroscopy. Pure and Applied Chemistry, 2015, 87, 525-536.	1.9	11
88	Sub-50-fs photoinduced spin crossover in [Fe(bpy)3]2+. Nature Chemistry, 2015, 7, 629-633.	13.6	304
89	Tryptophan-to-heme electron transfer in ferrous myoglobins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5602-5606.	7.1	29
90	Set-up for broadband Fourier-transform multidimensional electronic spectroscopy. Optics Letters, 2015, 40, 312.	3.3	16

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91	Probing wavepacket dynamics using ultrafast x-ray spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 214001.	1.5	46
92	Emerging photon technologies for chemical dynamics. Faraday Discussions, 2014, 171, 11-40.	3.2	20
93	A simple electron time-of-flight spectrometer for ultrafast vacuum ultraviolet photoelectron spectroscopy of liquid solutions. Review of Scientific Instruments, 2014, 85, 103117.	1.3	26
94	A microfluidic flow-cell for the study of the ultrafast dynamics of biological systems. Review of Scientific Instruments, 2014, 85, 103118.	1.3	11
95	Ultrafast electronic and vibrational relaxations in mixed-ligand dithioneâ€“dithiolato Ni, Pd, and Pt complexes. Dalton Transactions, 2014, 43, 17666-17676.	3.3	24
96	Nanoscale and bio imaging: general discussion. Faraday Discussions, 2014, 171, 419-427.	3.2	0
97	A cascade through spin states in the ultrafast haem relaxation of met-myoglobin. Journal of Chemical Physics, 2014, 140, 025103.	3.0	25
98	Chemical reaction dynamics I and electron dynamics in molecules: general discussion. Faraday Discussions, 2014, 171, 145-168.	3.2	1
99	Recent experimental and theoretical developments in time-resolved X-ray spectroscopies. Coordination Chemistry Reviews, 2014, 277-278, 44-68.	18.8	161
100	Mapping of the Photoinduced Electron Traps in TiO₂ by Picosecond Xâ€ray Absorption Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 5858-5862.	13.8	92
101	Probing the electronic and geometric structure of ferric and ferrous myoglobins in physiological solutions by Fe K-edge absorption spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 1617-1631.	2.8	39
102	Probing the dynamics of plasmon-excited hexanethiol-capped gold nanoparticles by picosecond X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 23157-23163.	2.8	9
103	Chemical reaction dynamics II and Correlated systems, surfaces and catalysis: general discussion. Faraday Discussions, 2014, 171, 323-356.	3.2	0
104	X-ray Spectroscopic Study of Solvent Effects on the Ferrous and Ferric Hexacyanide Anions. Journal of Physical Chemistry A, 2014, 118, 9411-9418.	2.5	42
105	A Quantum Dynamics Study of the Ultrafast Relaxation in a Prototypical Cu(I)â€“Phenanthroline. Journal of Physical Chemistry A, 2014, 118, 9861-9869.	2.5	74
106	Characterizing the Structure and Defect Concentration of ZnO Nanoparticles in a Colloidal Solution. Journal of Physical Chemistry C, 2014, 118, 19422-19430.	3.1	22
107	Photooxidation and photoaquation of iron hexacyanide in aqueous solution: A picosecond X-ray absorption study. Structural Dynamics, 2014, 1, 024901.	2.3	49
108	In-situ Characterization of Molecular Processes in Liquids by Ultrafast X-ray Absorption Spectroscopy. Springer Series in Materials Science, 2014, , 1-38.	0.6	6

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109	Real-time observation of the charge transfer to solvent dynamics. Nature Communications, 2013, 4, 2119.	12.8	62
110	The role of Hartreeâ€“Fock exchange in the simulation of X-ray absorption spectra: A study of photoexcited. Chemical Physics Letters, 2013, 580, 179-184.	2.6	43
111	Investigating pairing interactions with coherent charge fluctuation spectroscopy. European Physical Journal: Special Topics, 2013, 222, 1223-1239.	2.6	13
112	Ultrafast Solventâ€Assisted Electronic Level Crossing in 1â€Naphthol. Angewandte Chemie - International Edition, 2013, 52, 6871-6875.	13.8	24
113	Ultrafast Tryptophan-to-Heme Electron Transfer in Myoglobins Revealed by UV 2D Spectroscopy. Science, 2013, 339, 1586-1589.	12.6	122
114	X-ray Absorption Spectroscopy of Ground and Excited Rheniumâ€“Carbonylâ€“Diimine Complexes: Evidence for a Two-Center Electron Transfer. Journal of Physical Chemistry A, 2013, 117, 361-369.	2.5	63
115	Solvent rearrangements during the transition from hydrophilic to hydrophobic solvation. Chemical Physics, 2013, 410, 25-30.	1.9	10
116	Ultraviolet transient absorption, transient grating and photon echo studies of aqueous tryptophan. Chemical Physics, 2013, 422, 47-52.	1.9	10
117	Transient mid-IR study of electron dynamics in TiO2 conduction band. Analyst, The, 2013, 138, 1966.	3.5	19
118	Solvent-Induced Luminescence Quenching: Static and Time-Resolved X-Ray Absorption Spectroscopy of a Copper(I) Phenanthroline Complex. Journal of Physical Chemistry A, 2013, 117, 4591-4601.	2.5	111
119	Coupling of a high-energy excitation to superconducting quasiparticles in a cuprate from coherent charge fluctuation spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4539-4544.	7.1	86
120	Ultrafast Relaxation Dynamics of Osmiumâ€“Polypyridine Complexes in Solution. Journal of Physical Chemistry C, 2013, 117, 15958-15966.	3.1	35
121	Nanoscale dynamics by short-wavelength four wave mixing experiments. New Journal of Physics, 2013, 15, 123023.	2.9	33
122	Temperature-dependent electron-phonon coupling in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>CuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	26
123	Ultrafast inter-ionic charge transfer of transition-metal complexes mapped by femtosecond X-ray powder diffraction. Journal of Chemical Physics, 2013, 138, 144504.	3.0	30
124	Ultrafast anisotropic x-ray scattering in the condensed phase. New Journal of Physics, 2012, 14, 113002.	2.9	11
125	Hydrophobicity with atomic resolution: Steady-state and ultrafast X-ray absorption and molecular dynamics studies. Pure and Applied Chemistry, 2012, 85, 53-60.	1.9	6
126	Ultrabroadband femtosecond two-dimensional ultraviolet transient absorption. Optics Letters, 2012, 37, 2337.	3.3	67

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127	Evidence for a Peierls phase-transition in a three-dimensional multiple charge-density waves solid. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5603-5608.	7.1	28
128	Energy transfer and relaxation mechanisms in Cytochrome c. Chemical Physics, 2012, 396, 108-115.	1.9	43
129	The Role of Site-Specific Hydrogen Bonding Interactions in the Solvation Dynamics of N-Acetyltryptophanamide. Journal of Physical Chemistry B, 2012, 116, 10730-10738.	2.6	10
130	Reply to 'Dark channel fluorescence...' and 'Dips and peaks...'. Nature Chemistry, 2012, 4, 767-768.	13.6	10
131	Simulations of X-ray absorption spectra: the effect of the solvent. Physical Chemistry Chemical Physics, 2012, 14, 9444.	2.8	25
132	A femtosecond fluorescence study of vibrational relaxation and cooling dynamics of UV dyes. Physical Chemistry Chemical Physics, 2012, 14, 3513.	2.8	73
133	Femtosecond pump/supercontinuum-probe setup with 20 kHz repetition rate. Review of Scientific Instruments, 2012, 83, 093105.	1.3	54
134	Changes in the Silanol Protonation State Measured In Situ at the Silicaâ€“Aqueous Interface. Journal of Physical Chemistry Letters, 2012, 3, 231-235.	4.6	37
135	On the interplay between charge, spin and structural dynamics in transition metal complexes. Dalton Transactions, 2012, 41, 13022.	3.3	115
136	Ultrafast fluorescence studies of dye sensitized solar cells. Physical Chemistry Chemical Physics, 2012, 14, 7934.	2.8	75
137	Polychromatic femtosecond fluorescence studies of metalâ€“polypyridine complexes in solution. Chemical Physics, 2012, 393, 51-57.	1.9	84
138	Vibrational Relaxation and Intersystem Crossing of Binuclear Metal Complexes in Solution. Journal of the American Chemical Society, 2011, 133, 305-315.	13.7	122
139	Ultrafast Excited-State Dynamics of Rhenium(I) Photosensitizers [Re(Cl)(CO)₃(N,N)] and [Re(imidazole)(CO)₃(N,N)]⁺: Diimine Effects. Inorganic Chemistry, 2011, 50, 2932-2943.	4.0	171
140	Probing the Transition from Hydrophilic to Hydrophobic Solvation with Atomic Scale Resolution. Journal of the American Chemical Society, 2011, 133, 12740-12748.	13.7	71
141	Femtosecond UV Studies of the Electronic Relaxation Processes in Cytochrome c. Journal of Physical Chemistry B, 2011, 115, 13723-13730.	2.6	44
142	A high-repetition rate scheme for synchrotron-based picosecond laser pump/x-ray probe experiments on chemical and biological systems in solution. Review of Scientific Instruments, 2011, 82, 063111.	1.3	103
143	Ultrafast (Bio)physical and (Bio)chemical Dynamics. Chimia, 2011, 65, 683.	0.6	4
144	Ultrafast X-ray Absorption Studies of the Structural Dynamics of Molecular and Biological Systems in Solution. Chimia, 2011, 65, 303-307.	0.6	7

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145	Origin of electronic absorption spectra of MLCT-excited and one-electron reduced 2,2â€²-bipyridine and 1,10-phenanthroline complexes. Inorganica Chimica Acta, 2011, 374, 578-585.	2.4	67
146	Femtosecond carrier dynamics in bulk graphite and graphene paper. Chemical Physics Letters, 2011, 504, 37-40.	2.6	46
147	Relativistic effects in spectroscopy and photophysics of heavy-metal complexes illustrated by spinâ€“orbit calculations of [Re(imidazole)(CO)3(phen)]+. Coordination Chemistry Reviews, 2011, 255, 975-989.	18.8	90
148	Ultrafast Electronic and Structural Phenomena in Graphite and Graphene. Microscopy and Microanalysis, 2010, 16, 494-495.	0.4	0
149	L-edge XANES analysis of photoexcited metal complexes in solution. Physical Chemistry Chemical Physics, 2010, 12, 5551.	2.8	50
150	Electron Localization Dynamics in the Triplet Excited State of [Ru(bpy)₃]²⁺ in Aqueous Solution. Chemistry - A European Journal, 2010, 16, 5889-5894.	3.3	68
151	Light-induced spin crossover in Fe(II)-based complexes: The full photocycle unraveled by ultrafast optical and X-ray spectroscopies. Coordination Chemistry Reviews, 2010, 254, 2677-2686.	18.8	246
152	The solvent shell structure of aqueous iodide: X-ray absorption spectroscopy and classical, hybrid QM/MM and full quantum molecular dynamics simulations. Chemical Physics, 2010, 371, 24-29.	1.9	56
153	Picosecond and femtosecond X-ray absorption spectroscopy of molecular systems. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, 229-239.	0.3	60
154	Charge transfer to solvent identified using dark channel fluorescence-yield L-edge spectroscopy. Nature Chemistry, 2010, 2, 853-857.	13.6	59
155	Three pulse UV photon echo studies of molecules in solution: Effect of the chirp. Journal of Chemical Physics, 2010, 133, 064506.	3.0	10
156	Coherent ultrafast torsional motion and isomerization of a biomimetic dipolar photoswitch. Physical Chemistry Chemical Physics, 2010, 12, 3178.	2.8	100
157	Relaxation Dynamics of Tryptophan in Water: A UV Fluorescence Up-Conversion and Molecular Dynamics Study. Journal of Physical Chemistry A, 2010, 114, 9034-9042.	2.5	31
158	Ultrafast Excited-State Dynamics of [Re(L)(CO)₃(bpy)]ⁿ Complexes: Involvement of the Solvent. Journal of Physical Chemistry A, 2010, 114, 6361-6369.	2.5	118
159	Molecular Structural Dynamics Probed by Ultrafast X-Ray Absorption Spectroscopy. Annual Review of Physical Chemistry, 2010, 61, 263-282.	10.8	150
160	Multiphoton-Excited Luminescent Lanthanide Bioprobes: Two- and Three-Photon Cross Sections of Dipicolinate Derivatives and Binuclear Helicates. Journal of Physical Chemistry B, 2010, 114, 2932-2937.	2.6	70
161	Femtosecond X-ray Absorption Spectroscopy Î¿f a Light-Driven Spin-Crossover Process. Acta Physica Polonica A, 2010, 117, 391-393.	0.5	2
162	Femtosecond UV Studies of Relaxation Processes in Cytochrome C. , 2010, , .		0

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163	Structural analysis of ultrafast extended x-ray absorption fine structure with subpicometer spatial resolution: Application to spin crossover complexes. Journal of Chemical Physics, 2009, 130, 124520.	3.0	67
164	Functional electric field changes in photoactivated proteins revealed by ultrafast Stark spectroscopy of the Trp residues. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7718-7723.	7.1	42
165	Electron and Xâ€Ray Methods of Ultrafast Structural Dynamics: Advances and Applications. ChemPhysChem, 2009, 10, 28-43.	2.1	206
166	The Molecular Cat. ChemPhysChem, 2009, 10, 493-494.	2.1	0
167	Structural Determination of a Photochemically Active Diplatinum Molecule by Timeâ€Resolved EXAFS Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 2711-2714.	13.8	116
168	Vibrational Coherences and Relaxation in the Highâ€Spin State of Aqueous [Fe^{II}(bpy)₃]²⁺. Angewandte Chemie - International Edition, 2009, 48, 7184-7187.	13.8	164
169	A model for the multi-exponential excited-state decay of CdSe nanocrystals. Chemical Physics, 2009, 357, 96-101.	1.9	37
170	Heterogeneity and Relaxation Dynamics of the Photoexcited Retinal Schiff Base Cation in Solution. Journal of Physical Chemistry B, 2009, 113, 4384-4393.	2.6	44
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