

Majed Chergui

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297
papers

12,072
citations

59
h-index

95
g-index

326
ext. papers

13,134
ext. citations

6.2
avg, IF

6.64
L-index

#	Paper	IF	Citations
297	Disentangling Light- and Temperature-Induced Thermal Effects in Colloidal Au Nanoparticles.. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 3591-3599	3.8	1
296	Carbon K-edge x-ray emission spectroscopy of gas phase ethylenic molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022 , 55, 044001	1.3	1
295	Atomic-Level Description of Thermal Fluctuations in Inorganic Lead Halide Perovskites.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3382-3391	6.4	2
294	Ultrafast photoelectron spectroscopy of photoexcited aqueous ferrioxalate. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 25308-25316	3.6	3
293	Quantifying Photoinduced Polaronic Distortions in Inorganic Lead Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9048-9059	16.4	11
292	Femtosecond X-ray spectroscopy of haem proteins. <i>Faraday Discussions</i> , 2021 , 228, 312-328	3.6	
291	Strain wave pathway to semiconductor-to-metal transition revealed by time-resolved X-ray powder diffraction. <i>Nature Communications</i> , 2021 , 12, 1239	17.4	11
290	Broadband visible two-dimensional spectroscopy of molecular dyes. <i>Journal of Chemical Physics</i> , 2021 , 155, 034201	3.9	1
289	A compact and cost-effective hard X-ray free-electron laser driven by a high-brightness and low-energy electron beam. <i>Nature Photonics</i> , 2020 , 14, 748-754	33.9	38
288	Evidence of Large Polarons in Photoemission Band Mapping of the Perovskite Semiconductor CsPbBr ₃ . <i>Physical Review Letters</i> , 2020 , 124, 206402	7.4	36
287	Mahan excitons in room-temperature methylammonium lead bromide perovskites. <i>Nature Communications</i> , 2020 , 11, 850	17.4	15
286	X-ray absorption linear dichroism at the Ti K-edge of rutile (001) TiO single crystal. <i>Journal of Synchrotron Radiation</i> , 2020 , 27, 425-435	2.4	3
285	Photoemission from non-polar aromatic molecules in the gas and liquid phase. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3965-3974	3.6	2
284	Ultrafast Intersystem Crossing and Structural Dynamics of [Pt(ppy)(EBupz)]. <i>Inorganic Chemistry</i> , 2020 , 59, 14643-14653	5.1	10
283	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. <i>Physical Review Letters</i> , 2020 , 125, 216402	7.4	8
282	Slow Charge Carrier Relaxation in Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24322-24330	3.8	2
281	Energy relaxation pathways between light-matter states revealed by coherent two-dimensional spectroscopy. <i>Communications Physics</i> , 2020 , 3,	5.4	12

280	Spin cascade and doming in ferric hemes: Femtosecond X-ray absorption and X-ray emission studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21914-21920	11.5	12
279	Giant Exciton Mott Density in Anatase TiO ₂ . <i>Physical Review Letters</i> , 2020 , 125, 116403	7.4	2
278	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. <i>Nature Communications</i> , 2020 , 11, 4145	17.4	12
277	Exciton dynamics in DNA oligomers studied by broadband deep-UV transient absorption spectroscopy. <i>EPJ Web of Conferences</i> , 2019 , 205, 10006	0.3	
276	Ultrafast Broadband Fluorescence Up-conversion Study of the Electronic Relaxation of Metalloporphyrins. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1461-1468	2.8	8
275	Broad-Band Ultraviolet CD Spectroscopy of Ultrafast Peptide Backbone Conformational Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2700-2705	6.4	11
274	Ultrafast photoinduced energy and charge transfer. <i>Faraday Discussions</i> , 2019 , 216, 9-37	3.6	3
273	Electron Dynamics in Anatase TiO ₂ Nanoparticles by Ultrafast Broadband Deep-Ultraviolet Spectroscopy. <i>EPJ Web of Conferences</i> , 2019 , 205, 05017	0.3	
272	Towards X-ray transient grating spectroscopy. <i>Optics Letters</i> , 2019 , 44, 574-577	3	12
271	Ultrafast broadband circular dichroism in the deep ultraviolet. <i>Optica</i> , 2019 , 6, 56	8.6	28
270	Ultrafast molecular photophysics in the deep-ultraviolet. <i>Journal of Chemical Physics</i> , 2019 , 150, 070901	3.9	13
269	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 26301-26310	3.6	4
268	Exciton control in a room temperature bulk semiconductor with coherent strain pulses. <i>Science Advances</i> , 2019 , 5, eaax2937	14.3	12
267	Toward time-resolved laser T-jump/X-ray probe spectroscopy in aqueous solutions. <i>Structural Dynamics</i> , 2019 , 6, 064303	3.2	6
266	Revealing hole trapping in zinc oxide nanoparticles by time-resolved X-ray spectroscopy. <i>Nature Communications</i> , 2018 , 9, 478	17.4	53
265	Clocking the Ultrafast Electron Cooling in Anatase Titanium Dioxide Nanoparticles. <i>ACS Photonics</i> , 2018 , 5, 1241-1249	6.3	19
264	Hydrophobic interactions of sucralose with protein structures. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 639, 38-43	4.1	9
263	Ultrafast photophysics and photochemistry of iron hexacyanides in solution: Infrared to X-ray spectroscopic studies. <i>Coordination Chemistry Reviews</i> , 2018 , 372, 52-65	23.2	17

262	Phonon-Driven Selective Modulation of Exciton Oscillator Strengths in Anatase TiO Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 5007-5014	11.5	16
261	Photophysical Heavy-Atom Effect in Iodinated Metalloporphyrins: Spin-Orbit Coupling and Density of States. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7256-7266	2.8	18
260	Retraction: On the enzymatic activity of catalase: an iron L-edge X-ray absorption study of the active centre. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 16294	3.6	
259	Ultrafast X-Ray Spectroscopy of Conical Intersections. <i>Physical Review Letters</i> , 2018 , 120, 243001	7.4	53
258	Dynamic multiple-scattering treatment of X-ray absorption: Parameterization of a new molecular dynamics force field for myoglobin. <i>Structural Dynamics</i> , 2018 , 5, 054101	3.2	4
257	A Legacy in Chemistry. <i>CheM</i> , 2018 , 4, 2242-2249	16.2	0
256	Vibrational coherence transfer in the ultrafast intersystem crossing of a diplatinum complex in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6396-E6403	11.5	28
255	Localized holes and delocalized electrons in photoexcited inorganic perovskites: Watching each atomic actor by picosecond X-ray absorption spectroscopy. <i>Structural Dynamics</i> , 2017 , 4, 044002	3.2	52
254	Conservation of vibrational coherence in ultrafast electronic relaxation: The case of diplatinum complexes in solution. <i>Chemical Physics Letters</i> , 2017 , 683, 112-120	2.5	29
253	Strongly bound excitons in anatase TiO single crystals and nanoparticles. <i>Nature Communications</i> , 2017 , 8, 13	17.4	110
252	Photoaquation Mechanism of Hexacyanoferrate(II) Ions: Ultrafast 2D UV and Transient Visible and IR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7335-7347	16.4	32
251	Harmonium: An Ultrafast Vacuum Ultraviolet Facility. <i>Chimia</i> , 2017 , 71, 268-272	1.3	5
250	Time-resolved ARPES at LACUS: Band Structure and Ultrafast Electron Dynamics of Solids. <i>Chimia</i> , 2017 , 71, 273-277	1.3	5
249	Photophysics of a copper phenanthroline elucidated by trajectory and wavepacket-based quantum dynamics: a synergetic approach. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19590-19600	3.6	32
248	Time-resolved Element-selective Probing of Charge Carriers in Solar Materials. <i>Chimia</i> , 2017 , 71, 768-772	1.3	8
247	From structure to structural dynamics: Ahmed Zewail's legacy. <i>Structural Dynamics</i> , 2017 , 4, 043802	3.2	3
246	Retraction: Charge transfer to solvent identified using dark channel fluorescence-yield L-edge spectroscopy. <i>Nature Chemistry</i> , 2017 , 9, 828	17.6	2
245	Interfacial Electron Injection Probed by a Substrate-Specific Excitonic Signature. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11584-11589	16.4	18

244	Anomalous anisotropic exciton temperature dependence in rutile TiO ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	8
243	Photoemission and photoionization time delays and rates. <i>Structural Dynamics</i> , 2017 , 4, 061502	3.2	25
242	Charge-transfer and impulsive electronic-to-vibrational energy conversion in ferricyanide: ultrafast photoelectron and transient infrared studies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17052-17062	3.6	34
241	Photoinduced Structural Dynamics of Molecular Systems Mapped by Time-Resolved X-ray Methods. <i>Chemical Reviews</i> , 2017 , 117, 11025-11065	68.1	139
240	The LOUVRE Laboratory: State-of-the-Art Ultrafast Ultraviolet Spectroscopies for Molecular and Materials Science. <i>Chimia</i> , 2017 , 71, 288-294	1.3	2
239	Nonadiabatic effects in electronic and nuclear dynamics. <i>Structural Dynamics</i> , 2017 , 4, 061510	3.2	22
238	Charge migration and charge transfer in molecular systems. <i>Structural Dynamics</i> , 2017 , 4, 061508	3.2	98
237	Perspective: Opportunities for ultrafast science at SwissFEL. <i>Structural Dynamics</i> , 2017 , 4, 061602	3.2	26
236	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. <i>Structural Dynamics</i> , 2017 , 4, 061503	3.2	8
235	Implications of short time scale dynamics on long time processes. <i>Structural Dynamics</i> , 2017 , 4, 061507	3.2	18
234	Retardation of Bulk Water Dynamics by Disaccharide Osmolytes. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 9477-83	3.4	17
233	Dual Luminescence, Interligand Decay, and Nonradiative Electronic Relaxation of Cyclometalated Iridium Complexes in Solution. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16459-16469	3.8	36
232	Excited state X-ray absorption spectroscopy: Probing both electronic and structural dynamics. <i>Journal of Chemical Physics</i> , 2016 , 145, 144307	3.9	33
231	Time-resolved X-ray spectroscopies of chemical systems: New perspectives. <i>Structural Dynamics</i> , 2016 , 3, 031001	3.2	48
230	Harmonium: A pulse preserving source of monochromatic extreme ultraviolet (30-110 eV) radiation for ultrafast photoelectron spectroscopy of liquids. <i>Structural Dynamics</i> , 2016 , 3, 023602	3.2	40
229	Laser-Assisted Photoelectric Effect from Liquids. <i>Physical Review Letters</i> , 2016 , 117, 143001	7.4	14
228	Beyond structure: ultrafast X-ray absorption spectroscopy as a probe of non-adiabatic wavepacket dynamics. <i>Faraday Discussions</i> , 2016 , 194, 117-145	3.6	41
227	Empirical rules of molecular photophysics in the light of ultrafast spectroscopy. <i>Pure and Applied Chemistry</i> , 2015 , 87, 525-536	2.1	8

226	Sub-50-fs photoinduced spin crossover in [Fe(bpy)] ²⁺ . <i>Nature Chemistry</i> , 2015 , 7, 629-33	17.6	235
225	Tryptophan-to-heme electron transfer in ferrous myoglobins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5602-6	11.5	24
224	Set-up for broadband Fourier-transform multidimensional electronic spectroscopy. <i>Optics Letters</i> , 2015 , 40, 312-5	3	13
223	Probing wavepacket dynamics using ultrafast x-ray spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 214001	1.3	37
222	Femtosecond X-ray absorption study of electron localization in photoexcited anatase TiO ₂ . <i>Scientific Reports</i> , 2015 , 5, 14834	4.9	50
221	Note: Small anaerobic chamber for optical spectroscopy. <i>Review of Scientific Instruments</i> , 2015 , 86, 106101	0.7	2
220	NO binding kinetics in myoglobin investigated by picosecond Fe K-edge absorption spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12922-7	11.5	28
219	Photo-induced dynamics of the heme centers in cytochrome bc ₁ . <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 2143-51	3.6	5
218	Ligand-centred fluorescence and electronic relaxation cascade at vibrational time scales in transition-metal complexes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4475-80	6.4	23
217	Ultrafast photophysics of transition metal complexes. <i>Accounts of Chemical Research</i> , 2015 , 48, 801-8	24.3	140
216	Recent experimental and theoretical developments in time-resolved X-ray spectroscopies. <i>Coordination Chemistry Reviews</i> , 2014 , 277-278, 44-68	23.2	142
215	Mapping of the photoinduced electron traps in TiO ₂ by picosecond X-ray absorption spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5858-62	16.4	83
214	Probing the electronic and geometric structure of ferric and ferrous myoglobins in physiological solutions by Fe K-edge absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 1617-31	3.6	32
213	Probing the dynamics of plasmon-excited hexanethiol-capped gold nanoparticles by picosecond X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23157-63	3.6	8
212	X-ray spectroscopic study of solvent effects on the ferrous and ferric hexacyanide anions. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9411-8	2.8	33
211	A quantum dynamics study of the ultrafast relaxation in a prototypical Cu(I)-phenanthroline. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9861-9	2.8	62
210	Characterizing the Structure and Defect Concentration of ZnO Nanoparticles in a Colloidal Solution. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19422-19430	3.8	14
209	Photooxidation and photoaquation of iron hexacyanide in aqueous solution: A picosecond X-ray absorption study. <i>Structural Dynamics</i> , 2014 , 1, 024901	3.2	41

208	Emerging photon technologies for chemical dynamics. <i>Faraday Discussions</i> , 2014 , 171, 11-40	3.6	18
207	A simple electron time-of-flight spectrometer for ultrafast vacuum ultraviolet photoelectron spectroscopy of liquid solutions. <i>Review of Scientific Instruments</i> , 2014 , 85, 103117	1.7	24
206	A microfluidic flow-cell for the study of the ultrafast dynamics of biological systems. <i>Review of Scientific Instruments</i> , 2014 , 85, 103118	1.7	10
205	Ultrafast electronic and vibrational relaxations in mixed-ligand dithione-dithiolato Ni, Pd, and Pt complexes. <i>Dalton Transactions</i> , 2014 , 43, 17666-76	4.3	21
204	Nanoscale and bio imaging: general discussion. <i>Faraday Discussions</i> , 2014 , 171, 419-27	3.6	
203	A cascade through spin states in the ultrafast haem relaxation of met-myoglobin. <i>Journal of Chemical Physics</i> , 2014 , 140, 025103	3.9	22
202	Chemical reaction dynamics I and electron dynamics in molecules: general discussion. <i>Faraday Discussions</i> , 2014 , 171, 145-68	3.6	1
201	In-situ Characterization of Molecular Processes in Liquids by Ultrafast X-ray Absorption Spectroscopy. <i>Springer Series in Materials Science</i> , 2014 , 1-38	0.9	6
200	Real-time observation of the charge transfer to solvent dynamics. <i>Nature Communications</i> , 2013 , 4, 2119	17.4	55
199	The role of Hartree-Fock exchange in the simulation of X-ray absorption spectra: A study of photoexcited. <i>Chemical Physics Letters</i> , 2013 , 580, 179-184	2.5	36
198	Investigating pairing interactions with coherent charge fluctuation spectroscopy. <i>European Physical Journal: Special Topics</i> , 2013 , 222, 1223-1239	2.3	11
197	Ultrafast solvent-assisted electronic level crossing in 1-naphthol. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6871-5	16.4	19
196	Ultrafast tryptophan-to-heme electron transfer in myoglobins revealed by UV 2D spectroscopy. <i>Science</i> , 2013 , 339, 1586-9	33.3	114
195	X-ray absorption spectroscopy of ground and excited rhenium-carbonyl-diimine complexes: evidence for a two-center electron transfer. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 361-9	2.8	57
194	Solvent rearrangements during the transition from hydrophilic to hydrophobic solvation. <i>Chemical Physics</i> , 2013 , 410, 25-30	2.3	8
193	Ultraviolet transient absorption, transient grating and photon echo studies of aqueous tryptophan. <i>Chemical Physics</i> , 2013 , 422, 47-52	2.3	7
192	Transient mid-IR study of electron dynamics in TiO ₂ conduction band. <i>Analyst, The</i> , 2013 , 138, 1966-70	5	18
191	Ultrafast Studies of the Light-Induced Spin Change in Fe(II)-Polypyridine Complexes 2013 , 405-424		6

190	Solvent-induced luminescence quenching: static and time-resolved X-ray absorption spectroscopy of a copper(I) phenanthroline complex. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 4591-601	2.8	95
189	Coupling of a high-energy excitation to superconducting quasiparticles in a cuprate from coherent charge fluctuation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4539-4544	11.5	71
188	Ultrafast Relaxation Dynamics of Osmium Polypyridine Complexes in Solution. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15958-15966	3.8	32
187	Nanoscale dynamics by short-wavelength four wave mixing experiments. <i>New Journal of Physics</i> , 2013 , 15, 123023	2.9	31
186	Temperature-dependent electron-phonon coupling in La ₂ Sr _x CuO ₄ probed by femtosecond x-ray diffraction. <i>Physical Review B</i> , 2013 , 88,	3.3	22
185	Ultrafast inter-ionic charge transfer of transition-metal complexes mapped by femtosecond X-ray powder diffraction. <i>Journal of Chemical Physics</i> , 2013 , 138, 144504	3.9	25
184	Evidence for a Peierls phase-transition in a three-dimensional multiple charge-density waves solid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5603-8	11.5	28
183	Energy transfer and relaxation mechanisms in Cytochrome c. <i>Chemical Physics</i> , 2012 , 396, 108-115	2.3	37
182	The role of site-specific hydrogen bonding interactions in the solvation dynamics of N-acetyltryptophanamide. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10730-8	3.4	8
181	Reply to 'Dark channel fluorescence...' and 'Dips and peaks...'. <i>Nature Chemistry</i> , 2012 , 4, 767-768	17.6	9
180	Simulations of X-ray absorption spectra: the effect of the solvent. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9444-50	3.6	20
179	A femtosecond fluorescence study of vibrational relaxation and cooling dynamics of UV dyes. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3513-9	3.6	59
178	Femtosecond pump/supercontinuum-probe setup with 20 kHz repetition rate. <i>Review of Scientific Instruments</i> , 2012 , 83, 093105	1.7	43
177	Changes in the Silanol Protonation State Measured In Situ at the Silica/Aqueous Interface. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 231-235	6.4	34
176	On the interplay between charge, spin and structural dynamics in transition metal complexes. <i>Dalton Transactions</i> , 2012 , 41, 13022-9	4.3	104
175	Ultrafast fluorescence studies of dye sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7934-7	3.6	67
174	Polychromatic femtosecond fluorescence studies of metal polypyridine complexes in solution. <i>Chemical Physics</i> , 2012 , 393, 51-57	2.3	72
173	Ultrafast anisotropic x-ray scattering in the condensed phase. <i>New Journal of Physics</i> , 2012 , 14, 113002	2.9	10

172	Hydrophobicity with atomic resolution: Steady-state and ultrafast X-ray absorption and molecular dynamics studies. <i>Pure and Applied Chemistry</i> , 2012 , 85, 53-60	2.1	5
171	Ultrabroadband femtosecond two-dimensional ultraviolet transient absorption. <i>Optics Letters</i> , 2012 , 37, 2337-9	3	59
170	Ultrafast excited-state dynamics of rhenium(I) photosensitizers [Re(Cl)(CO) ₃ (N,N)] and [Re(imidazole)(CO) ₃ (N,N)] ⁺ : diimine effects. <i>Inorganic Chemistry</i> , 2011 , 50, 2932-43	5.1	155
169	Probing the transition from hydrophilic to hydrophobic solvation with atomic scale resolution. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12740-8	16.4	66
168	Femtosecond UV studies of the electronic relaxation processes in Cytochrome c. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 13723-30	3.4	35
167	A high-repetition rate scheme for synchrotron-based picosecond laser pump/x-ray probe experiments on chemical and biological systems in solution. <i>Review of Scientific Instruments</i> , 2011 , 82, 063111	1.7	97
166	Ultrafast (bio)physical and (bio)chemical dynamics. <i>Chimia</i> , 2011 , 65, 683-90	1.3	3
165	Ultrafast X-ray absorption studies of the structural dynamics of molecular and biological systems in solution. <i>Chimia</i> , 2011 , 65, 303-7	1.3	7
164	Origin of electronic absorption spectra of MLCT-excited and one-electron reduced 2,2'-bipyridine and 1,10-phenanthroline complexes. <i>Inorganica Chimica Acta</i> , 2011 , 374, 578-585	2.7	62
163	Femtosecond carrier dynamics in bulk graphite and graphene paper. <i>Chemical Physics Letters</i> , 2011 , 504, 37-40	2.5	40
162	Relativistic effects in spectroscopy and photophysics of heavy-metal complexes illustrated by spin-orbit calculations of [Re(imidazole)(CO) ₃ (phen)] ⁺ . <i>Coordination Chemistry Reviews</i> , 2011 , 255, 975-989	23.2	87
161	Vibrational relaxation and intersystem crossing of binuclear metal complexes in solution. <i>Journal of the American Chemical Society</i> , 2011 , 133, 305-15	16.4	108
160	Charge transfer to solvent identified using dark channel fluorescence-yield L-edge spectroscopy. <i>Nature Chemistry</i> , 2010 , 2, 853-7	17.6	57
159	Three pulse UV photon echo studies of molecules in solution: effect of the chirp. <i>Journal of Chemical Physics</i> , 2010 , 133, 064506	3.9	10
158	Coherent ultrafast torsional motion and isomerization of a biomimetic dipolar photoswitch. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 3178-87	3.6	89
157	Relaxation dynamics of tryptophan in water: A UV fluorescence up-conversion and molecular dynamics study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 9034-42	2.8	26
156	Ultrafast excited-state dynamics of [Re(L)(CO) ₃ (bpy)] _n complexes: involvement of the solvent. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 6361-9	2.8	107
155	Molecular structural dynamics probed by ultrafast X-ray absorption spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2010 , 61, 263-82	15.7	137

154	Multiphoton-excited luminescent lanthanide bioprobes: two- and three-photon cross sections of dipicolinate derivatives and binuclear helicates. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2932-7	3.4	66
153	On the enzymatic activity of catalase: an iron L-edge X-ray absorption study of the active centre. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4827-32	3.6	27
152	Ultrafast Electronic and Structural Phenomena in Graphite and Graphene. <i>Microscopy and Microanalysis</i> , 2010 , 16, 494-495	0.5	
151	L-edge XANES analysis of photoexcited metal complexes in solution. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5551-61	3.6	44
150	Electron localization dynamics in the triplet excited state of [Ru(bpy) ₃] ²⁺ in aqueous solution. <i>Chemistry - A European Journal</i> , 2010 , 16, 5889-94	4.8	59
149	Light-induced spin crossover in Fe(II)-based complexes: The full photocycle unraveled by ultrafast optical and X-ray spectroscopies. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2677-2686	23.2	217
148	The solvent shell structure of aqueous iodide: X-ray absorption spectroscopy and classical, hybrid QM/MM and full quantum molecular dynamics simulations. <i>Chemical Physics</i> , 2010 , 371, 24-29	2.3	49
147	Picosecond and femtosecond X-ray absorption spectroscopy of molecular systems. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010 , 66, 229-39		56
146	Femtosecond X-ray Absorption Spectroscopy of a Light-Driven Spin-Crossover Process. <i>Acta Physica Polonica A</i> , 2010 , 117, 391-393	0.6	2
145	Structural analysis of ultrafast extended x-ray absorption fine structure with subpicometer spatial resolution: application to spin crossover complexes. <i>Journal of Chemical Physics</i> , 2009 , 130, 124520	3.9	62
144	Functional electric field changes in photoactivated proteins revealed by ultrafast Stark spectroscopy of the Trp residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7718-23	11.5	41
143	Electron and X-ray methods of ultrafast structural dynamics: advances and applications. <i>ChemPhysChem</i> , 2009 , 10, 28-43	3.2	189
142	The molecular cat. <i>ChemPhysChem</i> , 2009 , 10, 493-4	3.2	
141	Structural determination of a photochemically active diplatinum molecule by time-resolved EXAFS spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2711-4	16.4	107
140	Vibrational coherences and relaxation in the high-spin state of aqueous [Fe(II)(bpy) ₃] ²⁺ . <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7184-7	16.4	147
139	A model for the multi-exponential excited-state decay of CdSe nanocrystals. <i>Chemical Physics</i> , 2009 , 357, 96-101	2.3	34
138	Heterogeneity and relaxation dynamics of the photoexcited retinal Schiff base cation in solution. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4384-93	3.4	41
137	Calculation of Surface Plasmon Frequencies of Two, Three, and Four Strongly Interacting Nanospheres. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6463-6471	3.8	19

136	Femtosecond XANES study of the light-induced spin crossover dynamics in an iron(II) complex. <i>Science</i> , 2009 , 323, 489-92	33.3	450
135	Retrieving photochemically active structures by time-resolved EXAFS spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009 , 190, 012054	0.3	2
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