

# Hyotcherl Ihee

## List of Publications by Citations

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159  
papers

7,270  
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45  
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82  
g-index

177  
ext. papers

8,018  
ext. citations

9.2  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
159	A belt-shaped, blue luminescent, and semiconducting covalent organic framework. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 8826-30	16.4	637
158	A photoconductive covalent organic framework: self-condensed arene cubes composed of eclipsed 2D polypyrene sheets for photocurrent generation. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5439-42	16.4	460
157	Direct imaging of transient molecular structures with ultrafast diffraction. <i>Science</i> , <b>2001</b> , 291, 458-62	33.3	415
156	Visualizing reaction pathways in photoactive yellow protein from nanoseconds to seconds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 7145-50	11.5	233
155	Tracking the structural dynamics of proteins in solution using time-resolved wide-angle X-ray scattering. <i>Nature Methods</i> , <b>2008</b> , 5, 881-6	21.6	216
154	Ultrafast x-ray diffraction of transient molecular structures in solution. <i>Science</i> , <b>2005</b> , 309, 1223-7	33.3	207
153	Single nanowire on a film as an efficient SERS-active platform. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 758-62	16.4	201
152	Clocking transient chemical changes by ultrafast electron diffraction. <i>Nature</i> , <b>1997</b> , 386, 159-162	50.4	198
151	Lanthanum-catalysed synthesis of microporous 3D graphene-like carbons in a zeolite template. <i>Nature</i> , <b>2016</b> , 535, 131-5	50.4	188
150	Direct observation of bond formation in solution with femtosecond X-ray scattering. <i>Nature</i> , <b>2015</b> , 518, 385-9	50.4	173
149	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> , <b>2013</b> , 117, 735-40	2.8	167
148	Role of water in directing diphenylalanine assembly into nanotubes and nanowires. <i>Advanced Materials</i> , <b>2010</b> , 22, 583-7	24	156
147	A Photoresponsive Smart Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8704-7	16.4	151
146	Volume-conserving trans-cis isomerization pathways in photoactive yellow protein visualized by picosecond X-ray crystallography. <i>Nature Chemistry</i> , <b>2013</b> , 5, 212-20	17.6	138
145	Ultrafast myoglobin structural dynamics observed with an X-ray free-electron laser. <i>Nature Communications</i> , <b>2015</b> , 6, 6772	17.4	131
144	Simple vapor-phase synthesis of single-crystalline Ag nanowires and single-nanowire surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9576-7	16.4	123
143	Liquid Crystalline Peptide Nanowires. <i>Advanced Materials</i> , <b>2007</b> , 19, 3924-3927	24	95

142	Visualizing solution-phase reaction dynamics with time-resolved X-ray liquidography. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 356-66	24.3	93
141	Protein structural dynamics of photoactive yellow protein in solution revealed by pump-probe X-ray solution scattering. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3145-53	16.4	88
140	Impulsive solvent heating probed by picosecond x-ray diffraction. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 124504	3.9	88
139	Steering epitaxial alignment of Au, Pd, and AuPd nanowire arrays by atom flux change. <i>Nano Letters</i> , <b>2010</b> , 10, 432-8	11.5	84
138	Self-assembly of semiconducting photoluminescent peptide nanowires in the vapor phase. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1164-7	16.4	82
137	Ultrafast diffraction and structural dynamics: the nature of complex molecules far from equilibrium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 7117-22	11.5	80
136	Protein kinetics: structures of intermediates and reaction mechanism from time-resolved x-ray data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 4799-804	11.5	77
135	The short-lived signaling state of the photoactive yellow protein photoreceptor revealed by combined structural probes. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9395-404	16.4	71
134	Direct observation of cooperative protein structural dynamics of homodimeric hemoglobin from 100 ps to 10 ms with pump-probe X-ray solution scattering. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7001-8	16.4	70
133	Ultrafast electron diffraction and direct observation of transient structures in a chemical reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 338-42	11.5	70
132	Spatiotemporal kinetics in solution studied by time-resolved X-ray liquidography (solution scattering). <i>ChemPhysChem</i> , <b>2009</b> , 10, 1958-80	3.2	67
131	Noncovalently netted, photoconductive sheets with extremely high carrier mobility and conduction anisotropy from triphenylene-fused metal trigon conjugates. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7287-92	16.4	67
130	Ultrafast X-ray scattering: structural dynamics from diatomic to protein molecules. <i>International Reviews in Physical Chemistry</i> , <b>2010</b> , 29, 453-520	7	62
129	Ultrafast electron diffraction: structures in dissociation dynamics of Fe(CO) <sub>5</sub> . <i>Chemical Physics Letters</i> , <b>1997</b> , 281, 10-19	2.5	61
128	Atomistic characterization of the active-site solvation dynamics of a model photocatalyst. <i>Nature Communications</i> , <b>2016</b> , 7, 13678	17.4	58
127	Single-step fabrication of quantum funnels via centrifugal colloidal casting of nanoparticle films. <i>Nature Communications</i> , <b>2015</b> , 6, 7772	17.4	57
126	Bionanosphere lithography via hierarchical peptide self-assembly of aromatic triphenylalanine. <i>Small</i> , <b>2010</b> , 6, 945-51	11	57
125	Ultrafast charge transfer coupled with lattice phonons in two-dimensional covalent organic frameworks. <i>Nature Communications</i> , <b>2019</b> , 10, 1873	17.4	55

124	Spatiotemporal reaction kinetics of an ultrafast photoreaction pathway visualized by time-resolved liquid x-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 9410-5	11.5	55
123	Microtubes with rectangular cross-section by self-assembly of a short $\beta$ peptide foldamer. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20573-6	16.4	53
122	Creating Well-Defined Hot Spots for Surface-Enhanced Raman Scattering by Single-Crystalline Noble Metal Nanowire Pairs. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7492-7496	3.8	53
121	Recombination of photodissociated iodine: a time-resolved x-ray-diffraction study. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 034501	3.9	53
120	Anti-counterfeit nanoscale fingerprints based on randomly distributed nanowires. <i>Nanotechnology</i> , <b>2014</b> , 25, 155303	3.4	52
119	Filming the birth of molecules and accompanying solvent rearrangement. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3255-61	16.4	49
118	Ultrafast Electron Diffraction and Structural Dynamics: Transient Intermediates in the Elimination Reaction of C2F4I2. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 4087-4103	2.8	49
117	Protein tertiary structural changes visualized by time-resolved X-ray solution scattering. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 13131-3	3.4	48
116	Capturing transient structures in the elimination reaction of haloalkane in solution by transient X-ray diffraction. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5834-5	16.4	46
115	Transient X-ray diffraction reveals global and major reaction pathways for the photolysis of iodoform in solution. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 1047-50	16.4	46
114	Ultrafast electron diffraction: determination of radical structure with picosecond time resolution. <i>Chemical Physics Letters</i> , <b>1998</b> , 290, 1-8	2.5	44
113	Photochemical reaction pathways of carbon tetrabromide in solution probed by picosecond X-ray diffraction. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13584-91	16.4	44
112	Conformations and Barriers of Haloethyl Radicals (CH2XCH2, X = F, Cl, Br, I): Ab Initio Studies. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 6638-6649	2.8	43
111	Protein energy landscapes determined by five-dimensional crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 2534-42		42
110	Ultrafast structural dynamics of the photocleavage of protein hybrid nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 3788-94	16.7	42
109	Ultrafast X-ray solution scattering reveals an unknown reaction intermediate in the photolysis of [Ru3(CO)12]. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5550-3	16.4	39
108	Analysis of experimental time-resolved crystallographic data by singular value decomposition. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 860-71		38
107	Anisotropic Picosecond X-ray Solution Scattering from Photo-selectively Aligned Protein Molecules. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 350-356	6.4	36

106	CF <sub>2</sub> XCF <sub>2</sub> X and CF <sub>2</sub> XCF <sub>2</sub> Radicals (X = Cl, Br, I): Ab Initio and DFT Studies and Comparison with Experiments. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 3623-3632	2.8	36
105	Random-graft polymer-directed synthesis of inorganic mesostructures with ultrathin frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5117-21	16.4	34
104	Direct observation of myoglobin structural dynamics from 100 picoseconds to 1 microsecond with picosecond X-ray solution scattering. <i>Chemical Communications</i> , <b>2011</b> , 47, 289-91	5.8	34
103	Protein structural dynamics revealed by time-resolved X-ray solution scattering. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2200-8	24.3	33
102	Solvent-dependent molecular structure of ionic species directly measured by ultrafast x-ray solution scattering. <i>Physical Review Letters</i> , <b>2013</b> , 110, 165505	7.4	33
101	Ultrafast X-ray solution scattering reveals different reaction pathways in the photolysis of triruthenium dodecacarbonyl (Ru <sub>3</sub> (CO) <sub>12</sub> ) after ultraviolet and visible excitation. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2600-7	16.4	33
100	Photochemistry of HgBr(2) in methanol investigated using time-resolved X-ray liquidography. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 11536-47	3.6	31
99	Ultrafast X-ray diffraction in liquid, solution and gas: present status and future prospects. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2010</b> , 66, 270-80		30
98	Spin-orbit density functional and ab initio study of HgX(n) (X=F, Cl, Br, and I; n=1, 2, and 4). <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 144309	3.9	29
97	Au nanowire-Au nanoparticles conjugated system which provides micrometer size molecular sensors. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1351-5	4.8	29
96	Mapping the emergence of molecular vibrations mediating bond formation. <i>Nature</i> , <b>2020</b> , 582, 520-524	50.4	28
95	Tracking reaction dynamics in solution by pump-probe X-ray absorption spectroscopy and X-ray liquidography (solution scattering). <i>Chemical Communications</i> , <b>2016</b> , 52, 3734-49	5.8	26
94	Ultrafast X-Ray Crystallography and Liquidography. <i>Annual Review of Physical Chemistry</i> , <b>2017</b> , 68, 473-497	47.7	25
93	Topical Review: Molecular reaction and solvation visualized by time-resolved X-ray solution scattering: Structure, dynamics, and their solvent dependence. <i>Structural Dynamics</i> , <b>2014</b> , 1, 011301	3.2	25
92	Quantitative catalyst-substrate association relationships between metathesis molybdenum or ruthenium carbene complexes and their substrates. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12027-33	16.4	25
91	100 ps time-resolved solution scattering utilizing a wide-bandwidth X-ray beam from multilayer optics. <i>Journal of Synchrotron Radiation</i> , <b>2009</b> , 16, 391-4	2.4	24
90	Photolysis of Br <sub>2</sub> in CCl <sub>4</sub> studied by time-resolved X-ray scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2010</b> , 66, 252-60		24
89	Initial catalyst-substrate association step in enyne metathesis catalyzed by Grubbs ruthenium complex probed by time-dependent fluorescence quenching. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 16506-7	16.4	24

88	Photodissociation reaction of 1,2-diiodoethane in solution: a theoretical and X-ray diffraction study. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 10451-8	2.8	24
87	Ultrafast electron diffraction of transient cyclopentadienyl radical: A dynamic pseudorotary structure. <i>Chemical Physics Letters</i> , <b>2002</b> , 353, 325-334	2.5	24
86	Charge Transfer-Induced Torsional Dynamics in the Excited State of 2,6-Bis(diphenylamino)anthraquinone. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 24317-24323	3.8	23
85	Elongated Lifetime and Enhanced Flux of Hot Electrons on a Perovskite Plasmonic Nanodiode. <i>Nano Letters</i> , <b>2019</b> , 19, 5489-5495	11.5	23
84	Coherent Oscillations in Chlorosome Elucidated by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1386-92	6.4	22
83	Femtosecond X-ray solution scattering reveals that bond formation mechanism of a gold trimer complex is independent of excitation wavelength. <i>Structural Dynamics</i> , <b>2016</b> , 3, 043209	3.2	22
82	Structural dynamics of 1,2-diiodoethane in cyclohexane probed by picosecond X-ray liquidography. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 2713-22	2.8	21
81	Reply to 'contradictions in X-ray structures of intermediates in the photocycle of photoactive yellow protein'. <i>Nature Chemistry</i> , <b>2014</b> , 6, 259-60	17.6	20
80	Conformational Substates of Myoglobin Intermediate Resolved by Picosecond X-ray Solution Scattering. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 804-808	6.4	20
79	Self-Assembly of Semiconducting Photoluminescent Peptide Nanowires in the Vapor Phase. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1196-1199	3.6	20
78	Analyzing solution-phase time-resolved x-ray diffraction data by isolated-solute models. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 174504	3.9	20
77	Protein folding from heterogeneous unfolded state revealed by time-resolved X-ray solution scattering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14996-15005	11.5	19
76	Cooperative protein structural dynamics of homodimeric hemoglobin linked to water cluster at subunit interface revealed by time-resolved X-ray solution scattering. <i>Structural Dynamics</i> , <b>2016</b> , 3, 023610	3.2	19
75	Combined probes of X-ray scattering and optical spectroscopy reveal how global conformational change is temporally and spatially linked to local structural perturbation in photoactive yellow protein. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 8911-8919	3.6	18
74	SVD-aided pseudo principal-component analysis: A new method to speed up and improve determination of the optimum kinetic model from time-resolved data. <i>Structural Dynamics</i> , <b>2017</b> , 4, 044013	3.2	17
73	Sub-100-ps structural dynamics of horse heart myoglobin probed by time-resolved X-ray solution scattering. <i>Chemical Physics</i> , <b>2014</b> , 422, 137-142	2.3	17
72	Density functional and Ab initio study of Cr(CO) <sub>n</sub> (n = 1-6) complexes. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 4697-710	2.8	17
71	Correlation between functionality preference of Ru carbenes and exo/endo product selectivity for clarifying the mechanism of ring-closing enyne metathesis. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 8242-9	4.2	15

70	Rotational dephasing of a gold complex probed by anisotropic femtosecond x-ray solution scattering using an x-ray free-electron laser. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2015</b> , 48, 244005	1.3	15
69	Global reaction pathways in the photodissociation of I <sub>3</sub> <sup>-</sup> ions in solution at 267 and 400 nm studied by picosecond X-ray liquidography. <i>ChemPhysChem</i> , <b>2013</b> , 14, 3687-97	3.2	14
68	Identifying the major intermediate species by combining time-resolved X-ray solution scattering and X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 23298-302	3.6	13
67	Protein folding dynamics of cytochrome c seen by transient grating and transient absorption spectroscopies. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 3127-35	3.4	13
66	Solvent-dependent structure of molecular iodine probed by picosecond X-ray solution scattering. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 8633-7	3.6	12
65	High-throughput instant quantification of protein expression and purity based on photoactive yellow protein turn off/on label. <i>Protein Science</i> , <b>2013</b> , 22, 1109-17	6.3	12
64	Folding dynamics of ferrocyanide in a denaturant-free environment probed by transient grating spectroscopy. <i>ChemPhysChem</i> , <b>2008</b> , 9, 2708-14	3.2	11
63	<sup>129</sup> Xe Nuclear magnetic resonance study on a solid-state defect in HZSM-5 zeolite. <i>Microporous Materials</i> , <b>1995</b> , 4, 59-64		11
62	Role of thermal excitation in ultrafast energy transfer in chlorosomes revealed by two-dimensional electronic spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17872-9	3.6	10
61	Direct Observation of a Transiently Formed Isomer During Iodoform Photolysis in Solution by Time-Resolved X-ray Liquidography. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 647-653	6.4	10
60	Density functional and spin-orbit ab initio study of CF <sub>3</sub> Br: molecular properties and electronic curve crossing. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 1264-71	2.8	10
59	Theoretical study on the reaction of Ti <sup>+</sup> with acetone and the role of intersystem crossing. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 11382-9	2.8	9
58	Density functional and ab initio investigation of CF <sub>2</sub> ICF <sub>2</sub> I and CF <sub>2</sub> CF <sub>2</sub> I radicals in gas and solution phases. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 11059-66	2.8	9
57	Protein conformational dynamics of homodimeric hemoglobin revealed by combined time-resolved spectroscopic probes. <i>ChemPhysChem</i> , <b>2010</b> , 11, 109-14	3.2	9
56	Structure of the photodissociation products of CCl <sub>4</sub> , CBr <sub>4</sub> , and CI <sub>4</sub> in solution studied by DFT and ab initio calculations. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 11178-87	2.8	9
55	Preference of Ruthenium-Based Metathesis Catalysts toward Z- and E-Alkenes as a Guide for Selective Reactions to Alkene Stereoisomers. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 7591-6	4.2	9
54	Measurements of complex refractive index change of photoactive yellow protein over a wide wavelength range using hyperspectral quantitative phase imaging. <i>Scientific Reports</i> , <b>2018</b> , 8, 3064	4.9	8
53	Reply to Comment on Proton Transfer of Guanine Radical Cations Studied by Time-Resolved Resonance Raman Spectroscopy Combined with Pulse Radiolysis. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 2987-2989	3.4	7

52	Molecular structures, energetics, and electronic properties of neutral and charged Hg(n) clusters (n = 2-8). <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 5630-9	2.8	7
51	Density functional and ab initio studies on structures and energies of the ground state of CrCO. <i>International Journal of Quantum Chemistry</i> , <b>2007</b> , 107, 458-463	2.1	7
50	Clustering of Platinum Atoms in Zeolite EMT Supercage: Comprehensive Physicochemical Characterization. <i>Studies in Surface Science and Catalysis</i> , <b>1994</b> , 84, 765-772	1.8	7
49	Ultrafast coherent motion and helix rearrangement of homodimeric hemoglobin visualized with femtosecond X-ray solution scattering. <i>Nature Communications</i> , <b>2021</b> , 12, 3677	17.4	7
48	Fate of transient isomer of CHI: Mechanism and origin of ionic photoproducts formation unveiled by time-resolved x-ray liquidography. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 224201	3.9	6
47	Random-Graft Polymer-Directed Synthesis of Inorganic Mesostructures with Ultrathin Frameworks. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5217-5221	3.6	6
46	Transient X-ray Diffraction Reveals Global and Major Reaction Pathways for the Photolysis of Iodoform in Solution. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 1063-1066	3.6	6
45	Solvent-dependent complex reaction pathways of bromoform revealed by time-resolved X-ray solution scattering and X-ray transient absorption spectroscopy. <i>Structural Dynamics</i> , <b>2019</b> , 6, 064902	3.2	6
44	Protein Structural Dynamics of Wild-Type and Mutant Homodimeric Hemoglobin Studied by Time-Resolved X-Ray Solution Scattering. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	6
43	Structural Dynamics of Bismuth Triiodide in Solution Triggered by Photoinduced Ligand-to-Metal Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1279-1285	6.4	5
42	Proton Transfer Accompanied by the Oxidation of Adenosine. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7711-7718	4.8	5
41	Advantages of time-resolved difference X-ray solution scattering curves in analyzing solute molecular structure. <i>Structural Chemistry</i> , <b>2010</b> , 21, 37-42	1.8	5
40	Picosecond Diffraction at the ESRF: How Far Have We Come and Where Are We Going?. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	5
39	Pump-Probe X-ray Solution Scattering Reveals Accelerated Folding of Cytochrome Upon Suppression of Misligation. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 695-696	1.2	5
38	Molecular-Level Understanding of Excited States of N-Annulated Rylene Dye for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 22993-23003	3.8	5
37	Synthesis of -aryl amines enabled by photocatalytic dehydrogenation. <i>Chemical Science</i> , <b>2020</b> , 12, 1915-1923	9.4	5
36	Filming ultrafast roaming-mediated isomerization of bismuth triiodide in solution. <i>Nature Communications</i> , <b>2021</b> , 12, 4732	17.4	5
35	Photocycle of Photoactive Yellow Protein in Cell-Mimetic Environments: Molecular Volume Changes and Kinetics. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 769-779	3.4	4



34	SVD-aided non-orthogonal decomposition (SANOD) method to exploit prior knowledge of spectral components in the analysis of time-resolved data. <i>Structural Dynamics</i> , <b>2019</b> , 6, 024303	3.2	4
33	Chromophore-Removal-Induced Conformational Change in Photoactive Yellow Protein Determined through Spectroscopic and X-ray Solution Scattering Studies. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 4513-4520	3.4	4
32	Sterically Controlled Excited-State Intramolecular Proton Transfer Dynamics in Solution. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29116-29125	3.8	4
31	Spin-orbit ab initio study of two low-lying states of chloriodomethane cation. <i>Theoretical Chemistry Accounts</i> , <b>2011</b> , 129, 343-347	1.9	4
30	Reversible molecular motional switch based on circular photoactive protein oligomers exhibits unexpected photo-induced contraction.. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100512-100512	6.1	4
29	Effect of the abolition of intersubunit salt bridges on allosteric protein structural dynamics. <i>Chemical Science</i> , <b>2021</b> , 12, 8207-8217	9.4	4
28	The time scale of the quaternary structural changes in hemoglobin revealed using the transient grating technique. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 22571-5	3.6	3
27	Effect of Occluded Ligand Migration on the Kinetics and Structural Dynamics of Homodimeric Hemoglobin. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 1550-1556	3.4	3
26	Prospect of Retrieving Vibrational Wave Function by Single-Object Scattering Sampling. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3345-50	6.4	3
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9	Ultrafast Energy Transfer in Chlorosome Probed by Femtosecond Pump-Probe Polarization Anisotropy. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 703-704	1.2	1
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