

Jong Goo Kim

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

578
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of bond formation in solution with femtosecond X-ray scattering. <i>Nature</i> , 2015, 518, 385-389.	27.8	207
2	Atomistic characterization of the active-site solvation dynamics of a model photocatalyst. <i>Nature Communications</i> , 2016, 7, 13678.	12.8	74
3	Mapping the emergence of molecular vibrations mediating bond formation. <i>Nature</i> , 2020, 582, 520-524.	27.8	55
4	Protein Structural Dynamics Revealed by Time-Resolved X-ray Solution Scattering. <i>Accounts of Chemical Research</i> , 2015, 48, 2200-2208.	15.6	41
5	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> , 2020, 117, 14996-15005.	7.1	33
6	Ultrafast coherent motion and helix rearrangement of homodimeric hemoglobin visualized with femtosecond X-ray solution scattering. <i>Nature Communications</i> , 2021, 12, 3677.	12.8	25
7	Conformational Substates of Myoglobin Intermediate Resolved by Picosecond X-ray Solution Scattering. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 804-808.	4.6	23
8	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> , 2016, 18, 8911-8919.	2.8	22
9	Sub-100-ps structural dynamics of horse heart myoglobin probed by time-resolved X-ray solution scattering. <i>Chemical Physics</i> , 2014, 442, 137-142.	1.9	19
10	Filming ultrafast roaming-mediated isomerization of bismuth triiodide in solution. <i>Nature Communications</i> , 2021, 12, 4732.	12.8	14
11	Effect of the abolition of intersubunit salt bridges on allosteric protein structural dynamics. <i>Chemical Science</i> , 2021, 12, 8207-8217.	7.4	13
12	Light-induced protein structural dynamics in bacteriophytochrome revealed by time-resolved x-ray solution scattering. <i>Science Advances</i> , 2022, 8, .	10.3	10
13	Determining the charge distribution and the direction of bond cleavage with femtosecond anisotropic x-ray liquidography. <i>Nature Communications</i> , 2022, 13, 522.	12.8	9
14	Pump-Probe X-ray Solution Scattering Reveals Accelerated Folding of Cytochrome c Upon Suppression of Misligation. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 697-698.	1.9	8
15	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> , 2018, 19, 3633.	4.1	7
16	Femtosecond X-ray Liquidography Visualizes Wavepacket Trajectories in Multidimensional Nuclear Coordinates for a Bimolecular Reaction. <i>Accounts of Chemical Research</i> , 2021, 54, 1685-1698.	15.6	6
17	Effect of Occluded Ligand Migration on the Kinetics and Structural Dynamics of Homodimeric Hemoglobin. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1550-1556.	2.6	5
18	Sensitivity of $\langle \text{time-resolved} \rangle$ diffraction data to changes in internuclear distances and atomic positions. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 376-390.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Estimating signal and noise of time-resolved X-ray solution scattering data at synchrotrons and XFELs. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 633-645.	2.4	3