

Jae Hyuk Lee

List of Publications by Year in descending order

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19
papers

1,344
citations

623734

14
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

2035
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress of the PAL-XFEL. Applied Sciences (Switzerland), 2022, 12, 1010.	2.5	10
2	Femtosecond X-ray Spectroscopy Directly Quantifies Transient Excited-State Mixed Valency. Journal of Physical Chemistry Letters, 2022, 13, 378-386.	4.6	9
3	Development of an experimental apparatus to observe ultrafast phenomena by tender X-ray absorption spectroscopy at PAL-XFEL. Journal of Synchrotron Radiation, 2022, 29, 194-201.	2.4	1
4	Following the Crystallization of Amorphous Ice after Ultrafast Laser Heating. Journal of Physical Chemistry B, 2022, 126, 2299-2307.	2.6	8
5	Direct observation of coherent femtosecond solvent reorganization coupled to intramolecular electron transfer. Nature Chemistry, 2021, 13, 343-349.	13.6	59
6	High-brightness self-seeded X-ray free-electron laser covering the 3.5â€‰keV to 14.6â€‰keV range. Nature Photonics, 2021, 15, 435-441.	31.4	47
7	Optical Kerr Effect of Liquid Acetonitrile Probed by Femtosecond Time-Resolved X-ray Liquidography. Journal of the American Chemical Society, 2021, 143, 14261-14273.	13.7	11
8	Experimental observation of the liquid-liquid transition in bulk supercooled water under pressure. Science, 2020, 370, 978-982.	12.6	143
9	Mapping the emergence of molecular vibrations mediating bond formation. Nature, 2020, 582, 520-524.	27.8	55
10	Ultrafast x-ray diffraction study of melt-front dynamics in polycrystalline thin films. Science Advances, 2020, 6, eaax2445.	10.3	21
11	Hard X-ray self-seeding commissioning at PAL-XFEL. Journal of Synchrotron Radiation, 2019, 26, 1101-1109.	2.4	17
12	UV-Photochemistry of the Disulfide Bond: Evolution of Early Photoproducts from Picosecond X-ray Absorption Spectroscopy at the Sulfur K-Edge. Journal of the American Chemical Society, 2018, 140, 6554-6561.	13.7	30
13	Transient metal-centered states mediate isomerization of a photochromic ruthenium-sulfoxide complex. Nature Communications, 2018, 9, 1989.	12.8	29
14	Light-Induced Radical Formation and Isomerization of an Aromatic Thiol in Solution Followed by Time-Resolved X-ray Absorption Spectroscopy at the Sulfur K-Edge. Journal of the American Chemical Society, 2017, 139, 4797-4804.	13.7	26
15	Hard X-ray free-electron laser with femtosecond-scale timing jitter. Nature Photonics, 2017, 11, 708-713.	31.4	389
16	Picosecond sulfur K-edge X-ray absorption spectroscopy with applications to excited state proton transfer. Structural Dynamics, 2017, 4, 044021.	2.3	15
17	Maxima in the thermodynamic response and correlation functions of deeply supercooled water. Science, 2017, 358, 1589-1593.	12.6	270
18	Electronic and Molecular Structure of the Transient Radical Photocatalyst Mn(CO) ₅ and Its Parent Compound Mn ₂ (CO) ₁₀ . Inorganic Chemistry, 2016, 55, 5895-5903.	4.0	19

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19	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> , 2013, 117, 735-740.	2.5	183