

Tetsuo Katayama

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

638
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1375
citing authors

#	ARTICLE	IF	CITATIONS
1	Maxima in the thermodynamic response and correlation functions of deeply supercooled water. Science, 2017, 358, 1589-1593.	12.6	270
2	Ultrafast disordering of vanadium dimers in photoexcited VO ₂ . Science, 2018, 362, 572-576.	12.6	159
3	Tracking multiple components of a nuclear wavepacket in photoexcited Cu(I)-phenanthroline complex using ultrafast X-ray spectroscopy. Nature Communications, 2019, 10, 3606.	12.8	56
4	Mapping the emergence of molecular vibrations mediating bond formation. Nature, 2020, 582, 520-524.	27.8	55
5	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. Nature Communications, 2020, 11, 4145.	12.8	29
6	Response to Comment on "Maxima in the thermodynamic response and correlation functions of deeply supercooled water". Science, 2018, 360, .	12.6	25
7	Real-time observation of X-ray-induced intramolecular and interatomic electronic decay in CH ₂ I ₂ . Nature Communications, 2019, 10, 2186.	12.8	19
8	A versatile experimental system for tracking ultrafast chemical reactions with X-ray free-electron lasers. Structural Dynamics, 2019, 6, 054302.	2.3	10
9	Slowing down of dynamics and orientational order preceding crystallization in hard-sphere systems. Science Advances, 2020, 6, .	10.3	10
10	Resonant X-ray emission spectroscopy from broadband stochastic pulses at an X-ray free electron laser. Communications Chemistry, 2021, 4, .	4.5	4
11	Element-specific investigations of ultrafast dynamics in photoexcited Cu ₂ ZnSnS ₄ nanoparticles in solution. Structural Dynamics, 2021, 8, 024501.	2.3	1