

Phay J Ho

List of Publications by Year in descending order

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17
papers

228
citations

1040056

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h-index

996975

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times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Tracking of Resonance-Enhanced Multiple Ionization Pathways in X-ray Free-Electron Laser Pulses. <i>Physical Review Letters</i> , 2014, 113, 253001.	7.8	48
2	Computational studies of x-ray scattering from three-dimensionally-aligned asymmetric-top molecules. <i>Physical Review A</i> , 2010, 81, .	2.5	30
3	The role of transient resonances for ultra-fast imaging of single sucrose nanoclusters. <i>Nature Communications</i> , 2020, 11, 167.	12.8	27
4	Resonance-mediated atomic ionization dynamics induced by ultraintense x-ray pulses. <i>Physical Review A</i> , 2015, 92, .	2.5	23
5	Theory of x-ray diffraction from laser-aligned symmetric-top molecules. <i>Physical Review A</i> , 2008, 78, .	2.5	18
6	Three-dimensional optical trapping and orientation of microparticles for coherent X-ray diffraction imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4018-4024.	7.1	18
7	Atomistic three-dimensional coherent x-ray imaging of nonbiological systems. <i>Physical Review A</i> , 2016, 94, .	2.5	15
8	Large-scale atomistic calculations of clusters in intense x-ray pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 104003.	1.5	14
9	Field-free molecular alignment for studies using x-ray pulses from a synchrotron radiation source. <i>Journal of Chemical Physics</i> , 2009, 130, 154310.	3.0	10
10	Resonant propagation of x rays from the linear to the nonlinear regime. <i>Physical Review A</i> , 2020, 102, .	2.5	8
11	Ultrafast x-ray pump x-ray probe transient absorption spectroscopy: A computational study and proposed experiment probing core-valence electronic correlations in solvated complexes. <i>Journal of Chemical Physics</i> , 2021, 154, 214107.	3.0	5
12	Site-specific generation of excited state wavepackets with high-intensity attosecond x rays. <i>Journal of Chemical Physics</i> , 2021, 154, 224111.	3.0	3
13	Fluorescence intensity correlation imaging with high spatial resolution and elemental contrast using intense x-ray pulses. <i>Structural Dynamics</i> , 2021, 8, 044101.	2.3	3
14	Extended x-ray emission times of clusters in intense x-ray pulses. <i>Physical Review A</i> , 2020, 101, .	2.5	2
15	Ultraintense, ultrashort pulse X-ray scattering in small molecules. <i>Faraday Discussions</i> , 2021, 228, 139-160.	3.2	2
16	A Laboratory-driven Multiscale Investigation of X-Ray Induced Mass Loss and Photochemical Evolution in Cosmic Carbon and Silicate Dust. <i>Astrophysical Journal</i> , 2022, 925, 86.	4.5	2
17	X-ray Free-Electron Lasers: A New Tool for Atomic, Molecular and Chemical Dynamics. <i>ACS Symposium Series</i> , 0, , 15-48.	0.5	0