

Matthew T Eiles

List of Publications by Year in descending order

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papers

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933447

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21
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Coherently delocalized states in dipole interacting Rydberg ensembles: The role of internal degeneracies. <i>Physical Review A</i> , 2021, 104, .	2.5	2
2	Synthetic Dimension-Induced Conical Intersections in Rydberg Molecules. <i>Physical Review Letters</i> , 2021, 127, 023003.	7.8	13
3	Rydberg Composites. <i>Physical Review X</i> , 2020, 10, .	8.9	6
4	Dressed Ion-Pair States of an Ultralong-Range Rydberg Molecule. <i>Physical Review Letters</i> , 2020, 125, 123401.	7.8	10
5	Generalized local frame-transformation theory for ultralong-range Rydberg molecules. <i>Physical Review A</i> , 2020, 102, .	2.5	7
6	Extended Coherently Delocalized States in a Frozen Rydberg Gas. <i>Physical Review Letters</i> , 2020, 124, 193401.	7.8	9
7	Triatomic butterfly molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 084001.	1.5	3
8	Delocalization in two and three-dimensional Rydberg gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 124003.	1.5	3
9	Ring Rydberg composites. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 054001.	1.5	2
10	Trilobites, butterflies, and other exotic specimens of long-range Rydberg molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 113001.	1.5	28
11	Extreme Correlation and Repulsive Interactions in Highly Excited Atomic Alkali Anions. <i>Physical Review Letters</i> , 2018, 121, 133401.	7.8	6
12	Formation of long-range Rydberg molecules in two-component ultracold gases. <i>Physical Review A</i> , 2018, 98, .	2.5	21
13	Theoretical Prediction of the Creation and Observation of a Ghost Trilobite Chemical Bond. <i>Physical Review Letters</i> , 2018, 121, 113203.	7.8	4
14	Anisotropic blockade using pendular long-range Rydberg molecules. <i>Physical Review A</i> , 2017, 95, .	2.5	19
15	Hamiltonian for the inclusion of spin effects in long-range Rydberg molecules. <i>Physical Review A</i> , 2017, 95, .	2.5	43
16	Anisotropic blockade using pendular long-range Rydberg molecules. <i>Journal of Physics: Conference Series</i> , 2017, 875, 082005.	0.4	0
17	Mapping trilobite state signatures in atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 14LT01.	1.5	12
18	Ultracold molecular Rydberg physics in a high density environment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 114005.	1.5	31

#	ARTICLE	IF	CITATIONS
19	Ultracold Long-Range Rydberg Molecules with Complex Multichannel Spectra. Physical Review Letters, 2015, 115, 193201.	7.8	20
20	Compton scattering in strong magnetic fields: Spin-dependent influences at the cyclotron resonance. Physical Review D, 2014, 90, .	4.7	18