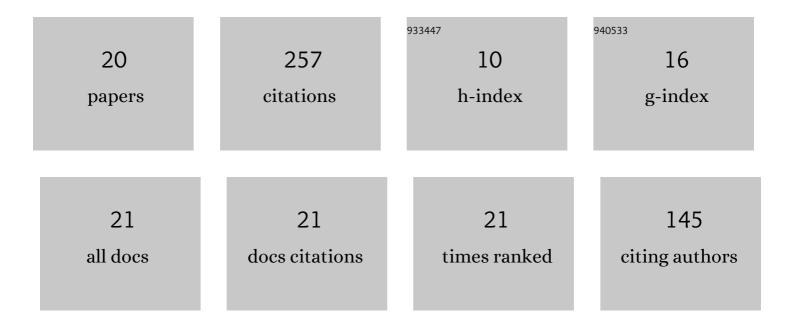
## Matthew T Eiles

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Hamiltonian for the inclusion of spin effects in long-range Rydberg molecules. Physical Review A, 2017, 95, .	2.5	43
2	Ultracold molecular Rydberg physics in a high density environment. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 114005.	1.5	31
3	Trilobites, butterflies, and other exotic specimens of long-range Rydberg molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 113001.	1.5	28
4	Formation of long-range Rydberg molecules in two-component ultracold gases. Physical Review A, 2018, 98, .	2.5	21
5	Ultracold Long-Range Rydberg Molecules with Complex Multichannel Spectra. Physical Review Letters, 2015, 115, 193201.	7.8	20
6	Anisotropic blockade using pendular long-range Rydberg molecules. Physical Review A, 2017, 95, .	2.5	19
7	Compton scattering in strong magnetic fields: Spin-dependent influences at the cyclotron resonance. Physical Review D, 2014, 90, .	4.7	18
8	Synthetic Dimension-Induced Conical Intersections in Rydberg Molecules. Physical Review Letters, 2021, 127, 023003.	7.8	13
9	Mapping trilobite state signatures in atomic hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 14LT01.	1.5	12
10	Dressed Ion-Pair States of an Ultralong-Range Rydberg Molecule. Physical Review Letters, 2020, 125, 123401.	7.8	10
11	Extended Coherently Delocalized States in a Frozen Rydberg Gas. Physical Review Letters, 2020, 124, 193401.	7.8	9
12	Generalized local frame-transformation theory for ultralong-range Rydberg molecules. Physical Review A, 2020, 102, .	2.5	7
13	Extreme Correlation and Repulsive Interactions in Highly Excited Atomic Alkali Anions. Physical Review Letters, 2018, 121, 133401.	7.8	6
14	Rydberg Composites. Physical Review X, 2020, 10, .	8.9	6
15	Theoretical Prediction of the Creation and Observation of a Ghost Trilobite Chemical Bond. Physical Review Letters, 2018, 121, 113203.	7.8	4
16	Triatomic butterfly molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 084001.	1.5	3
17	Delocalization in two and three-dimensional Rydberg gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 124003.	1.5	3
18	Ring Rydberg composites. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 054001.	1.5	2

#	Article	IF	CITATIONS
19	Coherently delocalized states in dipole interacting Rydberg ensembles: The role of internal degeneracies. Physical Review A, 2021, 104, .	2.5	2
20	Anisotropic blockade using pendular long-range Rydberg molecules. Journal of Physics: Conference Series, 2017, 875, 082005.	0.4	0