

# Steven A Wrathmall

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8029051/publications.pdf>

Version: 2024-02-01

9  
papers

155  
citations

1478505

6  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	The excitation of molecular hydrogen by atomic hydrogen in astrophysical media. Monthly Notices of the Royal Astronomical Society, 2007, 382, 133-138.	4.4	50
2	Optimized ultra-narrow atomic bandpass filters via magneto-optic rotation in an unconstrained geometry. Optics Letters, 2018, 43, 4272.	3.3	26
3	Variational determination of approximate bright matter-wave soliton solutions in anisotropic traps. Physical Review A, 2012, 85, .	2.5	23
4	The rovibrational excitation of H <sub>2</sub> induced by H. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 3221-3230.	1.5	18
5	The Solar Activity Monitor Network “SAMNet. Journal of Space Weather and Space Climate, 2022, 12, 2.	3.3	16
6	A quantum-mechanical study of rotational transitions in H <sub>2</sub> induced by H. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, L249-L253.	1.5	9
7	Better magneto-optical filters with cascaded vapor cells. Optics Letters, 2022, 47, 2975.	3.3	7
8	Theoretical study of the quenching of NH( $\bar{v}$ =1) molecules via collisions with Rb atoms. Physical Review A, 2009, 80, .	2.5	3
9	Quasisolitons in Thermal Atomic Vapors. Physical Review Letters, 2019, 123, 243604.	7.8	3