

Ergin Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

320
citations

758635

12
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetically induced transparency in an open V-type molecular system. Physical Review A, 2011, 83, .	1.0	51
2	Spectroscopic observations, spin-orbit functions, and coupled-channel deperturbation analysis of data on the $A^1\Sigma^+$ state of Na^+ . Physical Review A, 2009, 80, .	1.0	44
3	Experimental investigation of the $Rb^2\Sigma^+$ triplet ground state: Multiparameter Morse long range potential analysis. Journal of Chemical Physics, 2009, 131, 094505.	1.0	41
4	Updated potential energy function of the $Rb^2\Sigma^+$ state in the attractive and repulsive regions determined from its joint analysis with the $23^1\Sigma^+$ state. Journal of Chemical Physics, 2013, 139, 144303.	1.2	27
5	Quantum Control of the Spin-Orbit Interaction Using the Autler-Townes Effect. Physical Review Letters, 2011, 107, 163601.	1.2	25
6	Electromagnetically induced transparency in an open \hat{b} -type molecular lithium system. Physical Review A, 2010, 82, .	2.9	21
7	Experimental observation of the dependence of Autler-Townes splitting on the probe and coupling laser wave-number ratio in Doppler-broadened open molecular cascade systems. Physical Review A, 2008, 78, .	1.0	18
8	Experimental mapping of the absolute magnitude of the transition dipole moment function of the $2^1\Sigma^+$ state of Na^+ . Physical Review A, 2008, 77, .	1.0	17
9	Collisional transfer of population and orientation in NaK . Journal of Chemical Physics, 2011, 134, 174301.	1.0	16
10	The $K239 \ 2^1\Sigma^+$ state: Observation and analysis. Journal of Chemical Physics, 2007, 126, 194314.	1.2	14
11	Comparison of Autler-Townes splitting based absolute measurements of the $2^1\Sigma^+$ electronic transition dipole moment with ab initio theory. Journal of Chemical Physics, 2008, 129, 174301.	1.2	13
12	Measurement of absolute transition dipole moment functions of the $3^1\Sigma^+$ and $3^1\Sigma^+(A)$ transitions in NaK using Autler-Townes spectroscopy and calibrated fluorescence. Journal of Chemical Physics, 2008, 129, 154303.	1.2	12
13	Optical control of collisional population flow between molecular electronic states of different spin multiplicity. Physical Review A, 2014, 89, .	1.0	4
14	Experimental mapping of the absolute magnitude of the transition dipole moment function of the $2^1\Sigma^+$ state of Na^+ . Physical Review A, 2008, 77, .	1.0	4
15	The effect of collisions on the rotational angular momentum of diatomic molecules studied using polarized light. Journal of Chemical Physics, 2020, 153, 184310.	1.2	0