Wojciech Szajna

List of Publications by Year
in descending order

34	332	759233 12	888059 17
papers	citations	h-index	g-index

34	34	34	162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New analysis of the Douglas-Herzberg system (A1Î- X1Î£+) in the CH+ ion radical. European Physical Journal D, 2006, 38, 481-488.	1.3	32
2	Emission spectroscopy of the A1Îâ€“X1Î£+ system of AlH. European Physical Journal D, 2009, 55, 549-555.	1.3	28
3	The emission spectrum of the C1Î£+â€“X1Î£+ system of AlH. Journal of Molecular Spectroscopy, 2010, 260, 130-134.	1.2	25
4	Ã...ngstrÃ¶m (B¹Î£⁺â†'A¹Î) 0â€“1 and 1â€“1 bands in isotopic CO molecules: further investigations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 045101.	1.5	19
5	Reinvestigation of the $mathsf{B^{2}Sigma^{ + }ightarrow X^{2}Sigma^{ + }}$ system in the CO$mathsf{^ + }$ molecule. European Physical Journal D, 2004, 30, 49-55.	1.3	18
6	Emission Spectroscopy of AlH: the XÂ¹Î£âº, AÂ¹Î and CÂ¹Î£âº States Characteristics. Acta Physica Polonica A, 2011, 120, 417-423.	0.5	18
7	High-resolution emission spectroscopy of the A2Îâ€“X2Î£+ system of AlH+. Journal of Molecular Spectroscopy, 2011, 269, 56-60.	1.2	15
8	The A2Î"â€“X2Î band system of the CD radical. Journal of Molecular Spectroscopy, 2012, 275, 53-60.	1.2	15
9	The first-negative (B2Î£+â†'X2Î£+) band system in : further investigations. Journal of Molecular Spectroscopy, 2003, 220, 58-64.	1.2	14
10	The first negative (B2Î£+â†'X2Î£+) system of CO+: excitation of higher vibrational levels. Journal of Molecular Spectroscopy, 2004, 223, 125-131.	1.2	13
11	Extended analysis of the Ã...ngstrÃ¶m band system (B¹Î£⁺â^'A¹Î) in the rare¹²C¹⁷O isotopologue. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215102.	1.5	12
12	First Analysis of the 1â€“vâ€³ Progression of the Ã...ngstrÃ¶m (B¹Î£⁺â€“A¹Î) Band System in the Rare ¹³C¹⁷O Isotopologue. Journal of Physical Chemistry A, 2013, 117, 12299-12312.	2.5	12
13	Reanalysis of the Ã...ngstrÃ¶m System (B¹Î£⁺- A¹Î) in the¹³C¹⁶O Isotopic Molecule. Acta Physica Polonica A, 2012, 122, 674-682.	0.5	12
14	First spectroscopic studies of the system in the molecule spectrum. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 1014-1020.	3.9	10
15	First analysis of the B1Î£+ (Ï...=1) Rydberg state in the lesser-abundant 12C17O isotopologue on the basis of the 1â€“Ï...â€³ progression of the Ã...ngstrÃ¶m band system. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 140, 7-17.	2.3	10
16	Quantitatively Adequate Calculations of the H-Chelate Ring Distortion upon the S₀ â†' S₁(Ï€Ï€*) Excitation in Internally H-Bonded o-Anthranilic Acid: CC2 Coupled-Cluster versus TDDFT. Journal of Physical Chemistry A, 2018, 122, 6243-6255.	2.5	10
17	VIS and VUV spectroscopy of ¹²C¹⁷O and deperturbation analysis of the A¹Î, Ï... = 1â€“5 levels. RSC Advances, 2016, 6, 31588-31606.	3.6	9
18	Survey of Very Broad Diffuse Interstellar Bands. Astronomical Journal, 2020, 159, 113.	4.7	9

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19	The emission spectroscopy of AlD in the visible region: experimental and theoretical investigations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 103-111.	2.3	6
20	The new investigation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0001.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>b</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></m system of AlH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 167-177.	2.3	6
21	Fourier-transform spectroscopy of the A2Îiâ€¯â^'â€¯X2Î£+ system in CO+ and deperturbation analysis of the A2Îi(vâ€¯=â€¯0, 1) levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 234, 159-176.	2.3	6
22	The 1-vâ€³ bands progression of the B2Î£+â†'X2Î£+ system of 12C17O+. Journal of Molecular Spectroscopy, 2006, 240, 75-80.	1.2	5
23	Rotational analysis of the 0â€“0 and 1â€“1 bands of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mi>A</mml:mi><mml:msup><mml:mrow /><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup><mml:mi>Î</mml:mi><mml:ms>â€“</mml:ms><mml:mi>X</mml:mi><mml:msup><mml:mrow /><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup><mml:msup><mml:mrow><mml:mi>Î£</mml:mi></mml:mrow><mml:m of the AlD isot. Journal of Molecular Spectroscopy, 2015, 318, 78-83.	1.2	5
24	Analysis of the A¹Î State on the Basis of the Douglas-Herzberg Bands System in the CH+ Ion Molecule. Acta Physica Polonica A, 2007, 111, 821-834.	0.5	5
25	TheB2Î£+â€“X2Î£+Transition of12C17O+: The 2â€¦â€³ Progression. Spectroscopy Letters, 2007, 40, 667-677.	1.0	4
26	The emission spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml system of CD. Journal of Molecular Spectroscopy, 2016, 324, 48-52.	1.2	4
27	Broadened profiles of diffuse interstellar bands. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4241-4248.	4.4	3
28	The emission spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mtext>C</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> mathvariant="normal">Î£</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mo>-</mml:mo mathvariant="normal">. Journal of Molecular Spectroscopy, 2018, 354, 65-70.	1.2	2
29	VUVâ€“VIS FT spectroscopy of the rare 13C18O isotopologue of carbon monoxide: Analysis of the A1Î(vÂ=Â1) multiply-perturbed level. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121367.	3.9	2
30	Emission spectroscopy of the B $^{2}{mathsf Sigma}^{+}!ightarrow !{mathsf X}^{2}{mathsf Sigma}^{+}$ system of 12C18O+Â. European Physical Journal D, 2007, 41, 261-265.	1.3	1
31	Rotational Analysis of the 1â€“4 Band of theB²Î£⁺â€“X²Î£⁺System of¹⁴C¹⁶O⁺. Spectroscopy Letters, 2010, 43, 207-212.	1.0	1
32	Fourier transform emission spectroscopy and abâ€‰initio calculations on the visible spectrum of AlD<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, 118-128.	2.3	1
33	Characteristic of the B2Î£+and X2Î£+states in the CO+ isotopic molecules. , 2005, 5849, 166. First observation of the Comet-Tail <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		0
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