

# Alexander Kutsenko

## List of Publications by Year in descending order

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27  
papers

137  
citations

1307594

7  
h-index

1281871

11  
g-index

27  
all docs

27  
docs citations

27  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contributions from Different-Type Active Regions Into the Total Solar Unsigned Magnetic Flux. Geomagnetism and Aeronomy, 2018, 58, 1159-1169.	0.8	20
2	Using SDO/HMI Magnetograms as a Source of the Solar Mean Magnetic Field Data. Solar Physics, 2016, 291, 1613-1623.	2.5	14
3	Laser-microwave spectroscopy of Cu I atoms in S, P, D, F and G Rydberg states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 165009.	1.5	12
4	Microwave spectroscopy of singlet Mg I in $n=4$ Rydberg states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215002.	1.5	10
5	Distributed Electric Currents in Solar Active Regions. Solar Physics, 2020, 295, 1.	2.5	10
6	The rotation rate of solar active and ephemeral regions – I. Dependence on morphology and peak magnetic flux. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5159-5166.	4.4	10
7	Extended statistical analysis of emerging solar active regions. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4393-4400.	4.4	9
8	The extended spectroscopic database for deuterated species of formamide up to 1 THz. Astronomy and Astrophysics, 2013, 549, A128.	5.1	7
9	Millimeter-wave spectroscopy of Zn I in $n=1$ D <sub>2</sub> , $n=1$ F <sub>3</sub> and $n=1$ G <sub>4</sub> Rydberg states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 245005.	1.5	6
10	Dynamics of Electric Currents Parameters in Active Regions on the Sun and Their Relation to the Flare Index. Astrophysics, 2020, 63, 260-273.	0.5	6
11	Analysis of the Flux Growth Rate in Emerging Active Regions on the Sun. Solar Physics, 2017, 292, 1.	2.5	5
12	MICROWAVE SPECTROMETER OF RYDBERG STATE ATOMS. Radio Physics and Radio Astronomy, 2011, 2, 359-368.	0.3	5
13	Contribution to the Solar Mean Magnetic Field from Different Solar Regions. Solar Physics, 2017, 292, 1.	2.5	4
14	Intermittency spectra of current helicity in solar active regions. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3780-3787.	4.4	4
15	Magnetic Power Spectra of Emerging Active Regions. Solar Physics, 2019, 294, 1.	2.5	4
16	Probing the rotation rate of solar active regions: the comparison of methods. Open Astronomy, 2021, 30, 219-224.	0.6	4
17	Millimeter-wave spectroscopy of Zn I in triplet F Rydberg states. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 160, 105674.	2.9	3
18	EXCITATION OF Zn ATOMS TO THE 4snf RYDBERG STATES. Radio Physics and Radio Astronomy, 2014, 19, 358-363.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Millimeter-wave spectroscopy of neutral mercury in Rydberg F states. Spectroscopy Letters, 0, , 1-6.	1.0	1
20	Improvements of the Longitudinal Magnetic Field Measurement from the Solar Magnetic Field Telescope at the Huairou Solar Observing Station. Solar Physics, 2021, 296, 1.	2.5	1
21	Time-dependent registration of ionization current for spectroscopy of rydberg atoms. , 2010, , .		0
22	EXCITATION OF LEAD ATOMS TO RYDBERG STATES. Radio Physics and Radio Astronomy, 2012, 3, 67-73.	0.3	0
23	Laser-microwave spectroscopy of singlet Mg I atoms in S,P,D,F,G Rydberg state. , 2013, , .		0
24	New measurements of Rydberg spectrum of singlet Mg I in the 120&#x2013;150 GHz frequency range. , 2013, , .		0
25	Diagnostics of Turbulent Dynamo from the Flux Emergence Rate in Solar Active Regions. Geomagnetism and Aeronomy, 2017, 57, 792-797.	0.8	0
26	On the possibility of probing the flare productivity of an active region in the early stage of emergence. Monthly Notices of the Royal Astronomical Society, 2021, 501, 6076-6082.	4.4	0
27	INVESTIGATION OF THE SPECTRUM OF ZN I ATOMS IN THE TRIPLET RYDBERG STATES. Radio Physics and Radio Astronomy, 2021, 26, 256-269.	0.3	0