

# Elena G Larionova

## List of Publications by Year in descending order

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56  
papers

3,424  
citations

126907

33  
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161849

54  
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56  
all docs

56  
docs citations

56  
times ranked

1761  
citing authors

#	ARTICLE	IF	CITATIONS
1	PROBING THE INNER JET OF THE QUASAR PKS 1510-089 WITH MULTI-WAVEBAND MONITORING DURING STRONG GAMMA-RAY ACTIVITY. <i>Astrophysical Journal Letters</i> , 2010, 710, L126-L131.	8.3	353
2	A change in the optical polarization associated with a $\hat{\gamma}$ -ray flare in the blazar 3C 279. <i>Nature</i> , 2010, 463, 919-923.	27.8	269
3	INSIGHTS INTO THE HIGH-ENERGY $\hat{\gamma}$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>&lt;i&gt;FERMI&lt;/i&gt;</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	4.5	185
4	FLARING BEHAVIOR OF THE QUASAR 3C 454.3 ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal</i> , 2010, 715, 362-384.	4.5	166
5	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY $\hat{\gamma}$ -RAY OBSERVATIONS IN 2008-2010. <i>Astrophysical Journal</i> , 2012, 754, 114.	4.5	152
6	A TIGHT CONNECTION BETWEEN GAMMA-RAY OUTBURSTS AND PARSEC-SCALE JET ACTIVITY IN THE QUASAR 3C 454.3. <i>Astrophysical Journal</i> , 2013, 773, 147.	4.5	141
7	The WEBT BL Lacertae Campaign 2000. <i>Astronomy and Astrophysics</i> , 2002, 390, 407-421.	5.1	140
8	THE OUTBURST OF THE BLAZAR S5 0716+71 IN 2011 OCTOBER: SHOCK IN A HELICAL JET. <i>Astrophysical Journal</i> , 2013, 768, 40.	4.5	114
9	Blazar spectral variability as explained by a twisted inhomogeneous jet. <i>Nature</i> , 2017, 552, 374-377.	27.8	112
10	The WEBT BL Lacertae Campaign 2001 and its extension. <i>Astronomy and Astrophysics</i> , 2004, 421, 103-114.	5.1	110
11	<i>&lt;i&gt;FERMI&lt;/i&gt;</i> LARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. <i>Astrophysical Journal</i> , 2010, 721, 1425-1447.	4.5	99
12	The awakening of BL Lacertae: observations by Fermi, Swift and the GASP-WEBT.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1530-1545.	4.4	97
13	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015, 578, A22.	5.1	92
14	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
15	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	5.1	70
16	Another look at the BL Lacertae flux and spectral variability. <i>Astronomy and Astrophysics</i> , 2010, 524, A43.	5.1	68
17	Coordinated Multiwavelength Observations of BL Lacertae in 2000. <i>Astrophysical Journal</i> , 2003, 596, 847-859.	4.5	67
18	The long-lasting activity of 3C 454.3. <i>Astronomy and Astrophysics</i> , 2011, 534, A87.	5.1	67

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19	Polarization angle swings in blazars: The case of 3C 279. <i>Astronomy and Astrophysics</i> , 2016, 590, A10.	5.1	66
20	The correlated optical and radio variability of BL Lacertae. <i>Astronomy and Astrophysics</i> , 2009, 501, 455-460.	5.1	63
21	Variability of the blazar 4C 38.41 (B3 1633+382) from GHz frequencies to GeV energies. <i>Astronomy and Astrophysics</i> , 2012, 545, A48.	5.1	56
22	MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE. <i>Astrophysical Journal</i> , 2012, 751, 159.	4.5	54
23	A MULTI-WAVELENGTH POLARIMETRIC STUDY OF THE BLAZAR CTA 102 DURING A GAMMA-RAY FLARE IN 2012. <i>Astrophysical Journal</i> , 2015, 813, 51.	4.5	51
24	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	5.1	49
25	Extreme HBL behavior of Markarian 501 during 2012. <i>Astronomy and Astrophysics</i> , 2018, 620, A181.	5.1	47
26	Exceptional outburst of the blazar CTA 102 in 2012: the GASPâ€“WEBT campaign and its extension. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3047-3056.	4.4	45
27	Coordinated Multiwavelength Observation of 3C 66A during the WEBT Campaign of 2003â€“2004. <i>Astrophysical Journal</i> , 2005, 631, 169-186.	4.5	44
28	Multiwavelength behaviour of the blazar 3C 279: decade-long study from $\hat{\nu}^3$ -ray to radio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3829-3848.	4.4	40
29	Multiwavelength Variability of BL Lacertae Measured with High Time Resolution. <i>Astrophysical Journal</i> , 2020, 900, 137.	4.5	40
30	COMPREHENSIVE MONITORING OF GAMMA-RAY BRIGHT BLAZARS. I. STATISTICAL STUDY OF OPTICAL, X-RAY, AND GAMMA-RAY SPECTRAL SLOPES. <i>Astrophysical Journal</i> , 2014, 789, 135.	4.5	36
31	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , 2016, 593, A91.	5.1	36
32	THE OUTBURST OF THE BLAZAR S4 0954+658 IN 2011 MARCH-APRIL. <i>Astronomical Journal</i> , 2014, 148, 42.	4.7	34
33	Quasi-periodic behaviour in the optical and $\hat{\nu}^3$ -ray light curves of blazars 3C 66A and B2 1633+38. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5524-5539.	4.4	34
34	The WEBT campaign on the BL Lac object PG 1553+113 in 2013. An analysis of the enigmatic synchrotron emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 353-367.	4.4	33
35	Dissecting the long-term emission behaviour of the BL Lac object Mrk 421. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3789-3804.	4.4	33
36	Multiwavelength behaviour of the blazar OJ 248 from radio to $\hat{\nu}^3$ -raysâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2677-2691.	4.4	32

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37	Multiwavelength temporal and spectral variability of the blazar OJ 287 during and after the 2015 December flare: a major accretion disc contribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1145-1156.	4.4	29
38	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 29.	7.7	25
39	The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. <i>Astrophysical Journal</i> , 2020, 890, 97.	4.5	21
40	Two Flares with One Shock: The Interesting Case of 3C 454.3. <i>Astrophysical Journal</i> , 2020, 902, 61.	4.5	20
41	Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3762-3774.	4.4	19
42	The connection between the parsec-scale radio jet and $\gamma$ -ray flares in the blazar 1156+295. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1636-1646.	4.4	18
43	Periodic Component in the Variations of Brightness and Polarization of BL Lacertae. <i>Astronomical Journal</i> , 2002, 124, 3031-3034.	4.7	16
44	Investigating the multiwavelength behaviour of the flat spectrum radio quasar CTA 102 during 2013–2017. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5300-5316.	4.4	16
45	The 2016 June Optical and Gamma-Ray Outburst and Optical Microvariability of the Blazar 3C 454.3. <i>Astrophysical Journal</i> , 2019, 875, 15.	4.5	15
46	Multiband optical flux density and polarization microvariability study of optically bright blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1295-1317.	4.4	13
47	Analyzing polarization swings in 3C 279. <i>EPJ Web of Conferences</i> , 2013, 61, 06003.	0.3	10
48	Optical and infrared monitoring of BL Lac in 1999–2001. <i>Astronomy Letters</i> , 2004, 30, 209-217.	1.0	8
49	Identification of $\gamma$ -ray emission from 3C 345 and NRAO 512. <i>Astronomy and Astrophysics</i> , 2011, 532, A150.	5.1	7
50	Behaviour of the Blazar CTA 102 during Two Giant Outbursts. <i>Galaxies</i> , 2017, 5, 91.	3.0	7
51	The beamed jet and quasar core of the distant blazar 4C 71.07. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1837-1849.	4.4	7
52	The Connection between the Radio Jet and the $\gamma$ -ray Emission in the Radio Galaxy 3C 120 and the Blazar CTA 102. <i>Galaxies</i> , 2016, 4, 34.	3.0	3
53	Correlation Analysis of Delays between Variations of Gamma-Ray and Optical Light Curves of Blazars. <i>Galaxies</i> , 2016, 4, 64.	3.0	3
54	Emission-line Variability during a Nonthermal Outburst in the Gamma-Ray Bright Quasar 1156+295. <i>Astrophysical Journal</i> , 2022, 926, 180.	4.5	2

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55	Multiwavelength Monitoring of the Gamma-Bright Blazar Mkn 421. <i>Galaxies</i> , 2016, 4, 67.	3.0	0
56	Connection between parsec-scale radio jet and gamma-ray flares in the blazar 1156+295. , 2015, , .		0