

# Victoria Grinberg

## List of Publications by Year in descending order

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73  
papers

2,431  
citations

201674

27  
h-index

214800

47  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing the Kerr black hole hypothesis with the continuum-fitting and the iron line methods: the case of GRSÅ1915+105. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 019.	5.4	11
2	The prototype X-ray binary GXÅ339Å“4: using TeV Î³-rays to assess LMXBs as Galactic cosmic ray accelerators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5187-5198.	4.4	6
3	Continuum, cyclotron line, and absorption variability in the high-mass X-ray binary Vela X-1. <i>Astronomy and Astrophysics</i> , 2022, 660, A19.	5.1	8
4	The X-ray spectral-timing contribution of the stellar wind in the hard state of Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2671-2685.	4.4	3
5	Cygnus X-1 contains a 21Å“solar mass black holeÅ” implications for massive star winds. <i>Science</i> , 2021, 371, 1046-1049.	12.6	138
6	Reflection Modeling of the Black Hole Binary 4U 1630Å“47: The Disk Density and Returning Radiation. <i>Astrophysical Journal</i> , 2021, 909, 146.	4.5	24
7	Looking through the photoionisation wake: Vela XÅ~1 at <i>Ï†</i><sub>orb</sub>Å€,Å%Å€,0.75 with <i>Chandra</i>/HETG. <i>Astronomy and Astrophysics</i> , 2021, 648, A105.	5.1	10
8	PHEMTO: the polarimetric high energy modular telescope observatory. <i>Experimental Astronomy</i> , 2021, 51, 1143-1173.	3.7	0
9	The high energy Universe at ultra-high resolution: the power and promise of X-ray interferometry. <i>Experimental Astronomy</i> , 2021, 51, 1081-1107.	3.7	14
10	Cloudy in the Microcalorimeter Era: Improved Energies for Si and S KÅ± Fluorescence Lines. <i>Research Notes of the AAS</i> , 2021, 5, 149.	0.7	1
11	Potential origin of the state-dependent high-energy tail in the black hole microquasar Cygnus X-1 as seen with INTEGRAL. <i>Astronomy and Astrophysics</i> , 2021, 650, A93.	5.1	13
12	Towards Precision Measurements of Accreting Black Holes Using X-Ray Reflection Spectroscopy. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	59
13	Revisiting the archetypical wind accretor Vela X-1 in depth. <i>Astronomy and Astrophysics</i> , 2021, 652, A95.	5.1	21
14	Forging a sustainable future for astronomy. <i>Nature Astronomy</i> , 2021, 5, 857-860.	10.1	9
15	The INTEGRAL view on black hole X-ray binaries. <i>New Astronomy Reviews</i> , 2021, 93, 101618.	12.8	15
16	Testing the Kerr Black Hole Hypothesis with GX 339Å“4 by a Combined Analysis of Its Thermal Spectrum and Reflection Features. <i>Astrophysical Journal</i> , 2021, 907, 31.	4.5	29
17	INTEGRAL discovery of a high-energy tail in the microquasar Cygnus X-3. <i>Astronomy and Astrophysics</i> , 2021, 645, A60.	5.1	7
18	Investigating the Mini and Giant Radio Flare Episodes of Cygnus X-3. <i>Astrophysical Journal</i> , 2021, 906, 10.	4.5	6

#	ARTICLE	IF	CITATIONS
19	X-ray spectral and flux variability of the microquasar GRS 1758+258 on timescales from weeks to years. <i>Astronomy and Astrophysics</i> , 2020, 636, A51.	5.1	4
20	The carbon footprint of large astronomy meetings. <i>Nature Astronomy</i> , 2020, 4, 823-825.	10.1	62
21	The giant outburst of 4U 0115+634 in 2011 with <i>Suzaku</i> and RXTE. <i>Astronomy and Astrophysics</i> , 2020, 634, A99.	5.1	7
22	Thermal spectra of thin accretion discs of finite thickness around Kerr black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 497-503.	4.4	9
23	Testing General Relativity with the Stellar-mass Black Hole in LMC X-1 Using the Continuum-fitting Method. <i>Astrophysical Journal</i> , 2020, 897, 84.	4.5	22
24	Evidence for Returning Disk Radiation in the Black Hole X-Ray Binary XTE J1550-564. <i>Astrophysical Journal</i> , 2020, 892, 47.	4.5	27
25	Evolution of the Accretion Disk-Corona during the Bright Hard-to-soft State Transition: A Reflection Spectroscopic Study with GX 339-4. <i>Astrophysical Journal</i> , 2020, 890, 53.	4.5	22
26	High-resolution X-ray spectroscopy of the stellar wind in Vela X-1 during a flare. <i>Astronomy and Astrophysics</i> , 2020, 641, A144.	5.1	13
27	Radiography in high mass X-ray binaries. <i>Astronomy and Astrophysics</i> , 2020, 643, A9.	5.1	14
28	Color-color diagrams as tools for assessment of the variable absorption in high mass X-ray binaries. <i>Astronomy and Astrophysics</i> , 2020, 643, A109.	5.1	6
29	A new lepto-hadronic model applied to the first simultaneous multiwavelength data set for Cygnus X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2112-2126.	4.4	24
30	Dust and gas absorption in the high mass X-ray binary IGR J16318+4848. <i>Astronomy and Astrophysics</i> , 2020, 641, A65.	5.1	0
31	Combining timing characteristics with physical broad-band spectral modelling of black hole X-ray binary GX 339-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3696-3714.	4.4	14
32	Variability in high-mass X-ray binaries. <i>Astronomische Nachrichten</i> , 2019, 340, 323-328.	1.2	1
33	Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future Directions. <i>New Astronomy Reviews</i> , 2019, 86, 101546.	12.8	43
34	CIELO-RGS: a catalog of soft X-ray ionized emission lines. <i>Astronomy and Astrophysics</i> , 2019, 625, A122.	5.1	4
35	<i>Chandra</i> X-ray spectroscopy of the focused wind in the Cygnus X-1 system. <i>Astronomy and Astrophysics</i> , 2019, 626, A64.	5.1	21
36	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	27

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37	Conflicting Disk Inclination Estimates for the Black Hole X-Ray Binary XTE J1550-564. <i>Astrophysical Journal</i> , 2019, 882, 179.	4.5	14
38	The 2017 Failed Outburst of GX 339-4: Relativistic X-Ray Reflection near the Black Hole Revealed by NuSTAR and Swift Spectroscopy. <i>Astrophysical Journal</i> , 2019, 885, 48.	4.5	33
39	Alternative Explanations for Extreme Supersolar Iron Abundances Inferred from the Energy Spectrum of Cygnus X-1. <i>Astrophysical Journal</i> , 2018, 855, 3.	4.5	102
40	Reflection Spectroscopy of the Black Hole Binary XTE J1752-223 in Its Long-stable Hard State. <i>Astrophysical Journal</i> , 2018, 864, 25.	4.5	36
41	Single-dish and VLBI observations of Cygnus X-3 during the 2016 giant flare episode. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2703-2714.	4.4	23
42	Simultaneous Multiwavelength Observations of V404 Cygni during its 2015 June Outburst Decay Strengthen the Case for an Extremely Energetic Jet-base. <i>Astrophysical Journal</i> , 2017, 851, 148.	4.5	11
43	Spectral and Timing Properties of IGR J17091-3624 in the Rising Hard State During Its 2016 Outburst. <i>Astrophysical Journal</i> , 2017, 851, 103.	4.5	14
44	The clumpy absorber in the high-mass X-ray binary Vela X-1. <i>Astronomy and Astrophysics</i> , 2017, 608, A143.	5.1	34
45	AN EMPIRICAL METHOD FOR IMPROVING THE QUALITY OF RXTE HEXTE SPECTRA. <i>Astrophysical Journal</i> , 2016, 819, 76.	4.5	11
46	<i>Chandra</i> X-ray spectroscopy of focused wind in the Cygnus X-1 system. <i>Astronomy and Astrophysics</i> , 2016, 590, A114.	5.1	33
47	Revealing the broad iron K $\pm$ line in Cygnus X-1 through simultaneous <i>XMM-Newton</i> , RXTE, and INTEGRAL observations. <i>Astronomy and Astrophysics</i> , 2016, 589, A14.	5.1	28
48	<i>Suzaku</i> observations of the 2013 outburst of KS 1947+300. <i>Astronomy and Astrophysics</i> , 2016, 591, A65.	5.1	9
49	AN ULTRA-FAST X-RAY DISK WIND IN THE NEUTRON STAR BINARY GX 340+0. <i>Astrophysical Journal Letters</i> , 2016, 822, L18.	8.3	14
50	THE SOFT STATE OF CYGNUS X-1 OBSERVED WITH NuSTAR: A VARIABLE CORONA AND A STABLE INNER DISK. <i>Astrophysical Journal</i> , 2016, 826, 87.	4.5	93
51	SPECTRO-TIMING STUDY OF GX 339-4 IN A HARD INTERMEDIATE STATE. <i>Astrophysical Journal</i> , 2016, 828, 34.	4.5	12
52	LABORATORY MEASUREMENTS OF THE K-SHELL TRANSITION ENERGIES IN L-SHELL IONS OF SI AND S. <i>Astrophysical Journal</i> , 2016, 830, 26.	4.5	29
53	NuSTAR AND SWIFT OBSERVATIONS OF THE VERY HIGH STATE IN GX 339-4: WEIGHING THE BLACK HOLE WITH X-RAYS. <i>Astrophysical Journal Letters</i> , 2016, 821, L6.	8.3	85
54	Spectral and timing evolution of the bright failed outburst of the transient black hole Swift J174510.8-262411. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3585-3595.	4.4	21

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55	<i>NuSTAR</i> AND <i>SUZAKU</i> OBSERVATIONS OF THE HARD STATE IN CYGNUS X-1: LOCATING THE INNER ACCRETION DISK. <i>Astrophysical Journal</i> , 2015, 808, 9.	4.5	105
56	X-RAY REFLECTION SPECTROSCOPY OF THE BLACK HOLE GX 339â€“4: EXPLORING THE HARD STATE WITH UNPRECEDENTED SENSITIVITY. <i>Astrophysical Journal</i> , 2015, 813, 84.	4.5	131
57	DISTORTED CYCLOTRON LINE PROFILE IN CEP X-4 AS OBSERVED BY <i>NuSTAR</i>. <i>Astrophysical Journal Letters</i> , 2015, 806, L24.	8.3	25
58	Correlated optical, X-ray, and <i>Î³</i>-ray flaring activity seen with INTEGRAL during the 2015 outburst of V404 Cygni. <i>Astronomy and Astrophysics</i> , 2015, 581, L9.	5.1	72
59	Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2015, 576, A117.	5.1	38
60	THE COMPLEX ACCRETION GEOMETRY OF GX 339â€“4 AS SEEN BY <i>NuSTAR</i> AND <i>SWIFT</i>. <i>Astrophysical Journal</i> , 2015, 808, 122.	4.5	84
61	SPECTRAL STATE DEPENDENCE OF THE 0.4â€“2 MEV POLARIZED EMISSION IN CYGNUS X-1 SEEN WITH <i>INTEGRAL</i>/IBIS, AND LINKS WITH THE AMI RADIO DATA. <i>Astrophysical Journal</i> , 2015, 807, 17.	4.5	51
62	THE TRANSIENT ACCRETING X-RAY PULSAR XTE J1946+274: STABILITY OF X-RAY PROPERTIES AT LOW FLUX AND UPDATED ORBITAL SOLUTION. <i>Astrophysical Journal</i> , 2015, 815, 44.	4.5	19
63	AN EMPIRICAL METHOD FOR IMPROVING THE QUALITY OF <i>RXTE</i> PCA SPECTRA. <i>Astrophysical Journal</i> , 2014, 794, 73.	4.5	36
64	Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2014, 565, A1.	5.1	63
65	GRO J1008â”57: an (almost) predictable transient X-ray binary. <i>Astronomy and Astrophysics</i> , 2013, 555, A95.	5.1	35
66	No anticorrelation between cyclotron line energy and X-ray flux in 4Uâ0115+634. <i>Astronomy and Astrophysics</i> , 2013, 551, A6.	5.1	63
67	Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2013, 554, A88.	5.1	64
68	X-RAY AND NEAR-INFRARED OBSERVATIONS OF THE OBSCURED ACCRETING PULSAR IGR J18179â€“1621. <i>Astrophysical Journal</i> , 2012, 757, 143.	4.5	9
69	THE 5 hr PULSE PERIOD AND BROADBAND SPECTRUM OF THE SYMBIOTIC X-RAY BINARY 3A 1954+319. <i>Astrophysical Journal Letters</i> , 2011, 742, L11.	8.3	18
70	A MULTIWAVELENGTH STUDY OF CYGNUS X-1: THE FIRST MID-INFRARED SPECTROSCOPIC DETECTION OF COMPACT JETS. <i>Astrophysical Journal</i> , 2011, 736, 63.	4.5	48
71	Spectro-timing analysis of Cygnus X-1 during a fast state transition. <i>Astronomy and Astrophysics</i> , 2011, 533, A8.	5.1	20
72	Polarized Gamma-Ray Emission from the Galactic Black Hole Cygnus X-1. <i>Science</i> , 2011, 332, 438-439.	12.6	190

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73	Pulse Phase-Resolved Analysis of the High-Mass X-Ray Binary Centaurus X-3 over Two Binary Orbits. Astrophysical Journal, 2008, 675, 1487-1498.	4.5	64