

# Sergey S Tsygankov

## List of Publications by Year in descending order

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113  
papers

3,700  
citations

117453

34  
h-index

149479

56  
g-index

113  
all docs

113  
docs citations

113  
times ranked

2312  
citing authors

#	ARTICLE	IF	CITATIONS
1	SRG/ART-XC, <i>Swift</i> , NICER, and <i>NuSTAR</i> study of different states of the transient X-ray pulsar MAXI J0903â€“531. <i>Astronomy and Astrophysics</i> , 2022, 661, A45.	2.1	4
2	Broad-band analysis of X-ray pulsar 2S 1845â€“024. <i>Astronomy and Astrophysics</i> , 2022, 657, A58.	2.1	3
3	Losing a minute every two years: SRG X-ray view of the rapidly accelerating X-ray pulsar SXP 1323. <i>Astronomy and Astrophysics</i> , 2022, 661, A33.	2.1	3
4	INTEGRAL/IBIS 17-yr hard X-ray all-sky survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4796-4807.	1.6	22
5	Black hole spinâ€“orbit misalignment in the x-ray binary MAXI J1820+070. <i>Science</i> , 2022, 375, 874-876.	6.0	19
6	SRG/ART-XC discovery of SRGA J204318.2+443815: Towards the complete population of faint X-ray pulsars. <i>Astronomy and Astrophysics</i> , 2022, 661, A28.	2.1	5
7	Discovery of a pulse-phase-transient cyclotron line in the X-ray pulsar Swift J1808.4âˆ“1754 and identification of an optical companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2707-2715.	1.6	6
8	Constraints on the magnetic field structure in accreting compact objects from aperiodic variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 571-580.	1.6	11
9	Neutron star parameter constraints for accretion-powered millisecond pulsars from the simulated IXPE data. <i>Astronomy and Astrophysics</i> , 2021, 646, A23.	2.1	5
10	SGR 0755âˆ“2933: a new high-mass X-ray binary with the wrong name. <i>Astronomy and Astrophysics</i> , 2021, 647, A165.	2.1	18
11	The X-Ray Pulsar XTE J1858+034 Observed with NuSTAR and Fermi/GBM: Spectral and Timing Characterization plus a Cyclotron Line. <i>Astrophysical Journal</i> , 2021, 909, 153.	1.6	7
12	X-Ray Pulsar XTE J1858+034: Discovery of the Cyclotron Line and the Revised Optical Identification. <i>Astrophysical Journal</i> , 2021, 909, 154.	1.6	11
13	Spectrum formation in X-ray pulsars at very low mass accretion rate: Monte Carlo approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5193-5203.	1.6	27
14	SRG/ART-XC and NuSTAR Observations of the X-Ray pulsar GRO J1008â€“57 in the Lowest Luminosity State. <i>Astrophysical Journal</i> , 2021, 912, 17.	1.6	15
15	Multiwavelength monitoring and reverberation mapping of a changing look event in the Seyfert galaxy NGC 3516. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1029-1045.	1.6	18
16	15 years of galactic surveys and hard X-ray background measurements. <i>New Astronomy Reviews</i> , 2021, 92, 101612.	5.2	10
17	Discovery of the 5 keV Cyclotron Line Followed by Three Harmonics in Swift J1626.6-5156. <i>Astrophysical Journal Letters</i> , 2021, 915, L27.	3.0	16
18	Multi-Wavelength Properties of the 2021 Periastron Passage of PSR B1259-63. <i>Universe</i> , 2021, 7, 242.	0.9	12

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19	Pulsating iron spectral features in the emission of X-ray pulsar VÅ0332+53. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2156-2169.	1.6	6
20	Spectral evolution of X-ray pulsar 4U 1901+03 during the 2019 outburst based on Insight-HXMT and NuSTAR observations. Astronomy and Astrophysics, 2021, 652, A89.	2.1	0
21	Pulsating ULXs: large pulsed fraction excludes strong beaming. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2424-2429.	1.6	32
22	Study of the X-ray Pulsar XTE J1946+274 with NuSTAR. Astronomy Letters, 2021, 47, 390-401.	0.1	4
23	On the nature of the X-ray pulsar XTE J1859+083 and its broad-band properties. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5955-5963.	1.6	5
24	Time domain astronomy with the THESEUS satellite. Experimental Astronomy, 2021, 52, 309-406.	1.6	7
25	Physical modelling of viscous disc evolution around magnetized neutron star. Aql X-1 2013 outburst decay. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1837-1856.	1.6	7
26	A flare in the optical spotted in the changing-look Seyfert NGC 3516. Astronomy and Astrophysics, 2020, 638, A13.	2.1	21
27	AT2017gbl: a dust obscured TDE candidate in a luminous infrared galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2167-2195.	1.6	29
28	The post-maximum behaviour of the changing-look Seyfert galaxy NGC 1566. Monthly Notices of the Royal Astronomical Society, 2020, 498, 718-727.	1.6	12
29	Insight-HXMT insight into switch of the accretion mode: The case of the X-ray pulsar 4U 1901+03. Journal of High Energy Astrophysics, 2020, 27, 38-43.	2.4	6
30	Discovery of a retrogradely rotating neutron star in the X-ray pulsar GX 301+2. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2178-2182.	1.6	7
31	Switches between accretion structures during flares in 4U 1901+03. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5680-5692.	1.6	8
32	The unusual behavior of the young X-ray pulsar SXP 1062 during the 2019 outburst. Astronomy and Astrophysics, 2020, 637, A33.	2.1	7
33	An observational argument against accretion in magnetars. Astronomy and Astrophysics, 2020, 643, A173.	2.1	10
34	Multiwavelength observations of PSR J2032+4127 during the 2017 periastron passage. Monthly Notices of the Royal Astronomical Society, 2020, 495, 365-374.	1.6	8
35	First characterization of Swift J1845.7+0037 with NuSTAR. Astronomy and Astrophysics, 2020, 634, A89.	2.1	8
36	Observations of GRO J1744+28 in quiescence with XMM-Newton. Astronomy and Astrophysics, 2020, 643, A62.	2.1	8

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37	Cyclotron emission, absorption, and the two faces of X-ray pulsar Aâ€‰0535+262. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L30-L34.	1.2	33
38	Soft excess in the quiescent Be/X-ray pulsar RX J0812.4â€‰3114. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4427-4439.	1.6	7
39	Observational constraints on the magnetic field of the bright transient Be/X-ray pulsar SXPâ€‰4.78. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3355-3364.	1.6	3
40	Discovery of a Pulse-phase-transient Cyclotron Line in the X-Ray pulsar GRO J2058+42. Astrophysical Journal Letters, 2019, 883, L11.	3.0	30
41	<i>NuSTAR</i> observations of wind-fed X-ray pulsar GX 301â€‰2 during unusual spin-up event. Astronomy and Astrophysics, 2019, 629, A101.	2.1	17
42	Evidence for the radiation-pressure dominated accretion disk in bursting pulsar GRO J1744â€‰28 using timing analysis. Astronomy and Astrophysics, 2019, 626, A106.	2.1	20
43	Broad-band aperiodic variability in X-ray pulsars: accretion rate fluctuations propagating under the influence of viscous diffusion. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4061-4074.	1.6	17
44	Dramatic spectral transition of X-ray pulsar GX 304â€‰1 in low luminous state. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L144-L148.	1.2	37
45	GROâ€‰J1750â€‰27: A neutron star far behind the Galactic Center switching into the propeller regime. Monthly Notices of the Royal Astronomical Society, 2019, 485, 770-776.	1.6	11
46	Study of the X-ray pulsar IGR J19294+1816 with <i>NuSTAR</i>: Detection of cyclotron line and transition to accretion from the cold disk. Astronomy and Astrophysics, 2019, 621, A134.	2.1	13
47	Evolving optical polarisation of the black hole X-ray binary MAXI J1820+070. Astronomy and Astrophysics, 2019, 623, A75.	2.1	21
48	Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future Directions. New Astronomy Reviews, 2019, 86, 101546.	5.2	43
49	Properties of the transient X-ray pulsar Swift J1816.7â€‰1613 and its optical companion. Astronomy and Astrophysics, 2019, 622, A198.	2.1	9
50	New changing look case in NGC 1566. Monthly Notices of the Royal Astronomical Society, 2019, 483, 558-564.	1.6	55
51	Discovery of a cyclotron absorption line in the transient X-ray pulsar XTEâ€‰J1829â€‰098. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 482, L14-L18.	1.2	10
52	DISCOVERY OF MORE CHANGING LOOK EVENTS IN NGC 1566. Odessa Astronomical Publications, 2019, 32, 75-78.	0.2	4
53	Discovery of new changing look in NGC 1566. Proceedings of the International Astronomical Union, 2019, 15, 127-131.	0.0	0
54	On the magnetic field of the first Galactic ultraluminous X-ray pulsar Swift J0243.6+6124. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L134-L138.	1.2	35

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55	Discovery of X-Rays from the Old and Faint Pulsar J1154-6250. <i>Astrophysical Journal</i> , 2018, 865, 116.	1.6	5
56	NuSTAR observations of the ultraluminous X-ray source M33 X-8: a black hole in a very high state?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2357-2364.	1.6	7
57	Evolution of broad-band SED during outburst rise in NS X-ray Nova Aql X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3987-4002.	1.6	5
58	Orbit and intrinsic spin-up of the newly discovered transient X-ray pulsar Swift J0243.6+6124. <i>Astronomy and Astrophysics</i> , 2018, 613, A19.	2.1	50
59	A dust-enshrouded tidal disruption event with a resolved radio jet in a galaxy merger. <i>Science</i> , 2018, 361, 482-485.	6.0	113
60	On the radiation beaming of bright X-ray pulsars and constraints on neutron star mass-radius relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5425-5436.	1.6	38
61	New hard X-ray sources discovered in the ongoing INTEGRAL Galactic plane survey after 14 yr of observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 512-516.	1.6	35
62	PROPELLER EFFECT IN THE TRANSIENT X-RAY PULSAR SMC X-2. <i>Astrophysical Journal</i> , 2017, 834, 209.	1.6	30
63	NuSTAR observations of the X-ray pulsar LMC X-4: A constraint on the magnetic field and tomography of the system in the fluorescent iron line. <i>Astronomy Letters</i> , 2017, 43, 175-185.	0.1	15
64	Luminosity dependence of the cyclotron line and evidence for the accretion regime transition in V 0332+53. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2143-2150.	1.6	64
65	Study of orbital and superorbital variability of LSI +61° 303 with X-ray data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1718-1728.	1.6	15
66	High-precision optical polarimetry of the accreting black hole V404 Cyg during the 2015 June outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4362-4373.	1.6	22
67	The X-ray properties of Be/X-ray pulsars in quiescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 126-141.	1.6	47
68	Radius of the neutron star magnetosphere during disk accretion. <i>Astronomy Letters</i> , 2017, 43, 706-729.	0.1	13
69	SMC X-3: the closest ultraluminous X-ray source powered by a neutron star with non-dipole magnetic field. <i>Astronomy and Astrophysics</i> , 2017, 605, A39.	2.1	72
70	Stable accretion from a cold disc in highly magnetized neutron stars. <i>Astronomy and Astrophysics</i> , 2017, 608, A17.	2.1	51
71	Near-periodical spin period evolution in the binary system LMC X-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2039-2045.	1.6	11
72	Propeller effect in two brightest transient X-ray pulsars: 4U 0115+63 and V 0332+53. <i>Astronomy and Astrophysics</i> , 2016, 593, A16.	2.1	74

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73	The origin of seed photons for Comptonization in the black hole binary Swift J1753.5â€“0127. <i>Astronomy and Astrophysics</i> , 2016, 591, A66.	2.1	18
74	Galactic survey of <sup>44</sup> Ti sources with the IBIS telescope onboard <i>INTEGRAL</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3411-3419.	1.6	24
75	2S1553âˆ“542: a Be/X-ray binary pulsar on the far side of the Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3823-3829.	1.6	17
76	Orbital parameters of V 0332+53 from 2015 giant outburst data. <i>Astronomy and Astrophysics</i> , 2016, 589, A72.	2.1	17
77	<i>NuSTAR</i> discovery of a cyclotron absorption line in the transient X-ray pulsar 2S 1553âˆ“542. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 258-266.	1.6	23
78	Progenitor constraints for core-collapse supernovae from <i>Chandra</i> X-ray observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1107-1123.	1.6	3
79	Propeller effect in action in the ultraluminous accreting magnetar M82 Xâˆ“2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1101-1106.	1.6	123
80	<i>NuSTAR</i> DISCOVERY OF AN UNUSUALLY STEADY LONG-TERM SPIN-UP OF THE Be BINARY 2RXP J130159.6â€“635806. <i>Astrophysical Journal</i> , 2015, 809, 140.	1.6	16
81	<i>INTEGRAL</i> 11-year hard X-ray survey above 100 keV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3766-3774.	1.6	19
82	Positive correlation between the cyclotron line energy and luminosity in sub-critical X-ray pulsars: Doppler effect in the accretion channel. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2714-2721.	1.6	50
83	Transient X-ray pulsar V0332+53: pulse-phase-resolved spectroscopy and the reflection model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2175-2186.	1.6	34
84	High-mass X-ray binaries in the Milky Way. <i>Astronomy and Astrophysics Review</i> , 2015, 23, 1.	9.1	175
85	Multi-wavelength observations of the binary system PSR B1259âˆ“63/LS2883 around the 2014 periastron passage. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1358-1370.	1.6	51
86	On the maximum accretion luminosity of magnetized neutron stars: connecting X-ray pulsars and ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2539-2548.	1.6	163
87	The critical accretion luminosity for magnetized neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1847-1856.	1.6	144
88	<i>XMM-Newton</i> observations of 1A 0535+262 in quiescence. <i>Astronomy and Astrophysics</i> , 2014, 561, A96.	2.1	31
89	Hard X-ray emission of Sco X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1205-1212.	1.6	15
90	Spectroscopic evidence for a low-mass black hole in SWIFT J1753.5âˆ“0127. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2424-2439.	1.6	44

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91	Identification of four X-ray sources from the INTEGRAL and Swift catalogs. <i>Astronomy Letters</i> , 2013, 39, 513-522.	0.1	6
92	On timing and spectral characteristics of the X-ray pulsar 4U 0115+63: Evolution of the pulsation period and the cyclotron line energy. <i>Astronomy Letters</i> , 2013, 39, 375-388.	0.1	65
93	Population of persistent high-mass X-ray binaries in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 327-341.	1.6	70
94	Deep hard X-ray survey of the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 50-57.	1.6	21
95	A REFLECTION MODEL FOR THE CYCLOTRON LINES IN THE SPECTRA OF X-RAY PULSARS. <i>Astrophysical Journal</i> , 2013, 777, 115.	1.6	113
96	Hard-X-ray emission lines from the decay of $^{44}\text{Ti}$ in the remnant of supernova 1987A. <i>Nature</i> , 2012, 490, 373-375.	13.7	107
97	Broad-band observations of the Be/X-ray binary pulsar RX J0440.9+4431: discovery of a cyclotron absorption line. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2407-2413.	1.6	47
98	Strong outburst activity of the X-ray pulsar X Persei during 2001-2011. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1978-1984.	1.6	43
99	INTEGRAL/IBIS nine-year Galactic hard X-ray survey. <i>Astronomy and Astrophysics</i> , 2012, 545, A27.	2.1	90
100	INTEGRAL/IBIS 7-year All-Sky Hard X-Ray Survey. <i>Astronomy and Astrophysics</i> , 2010, 523, A61.	2.1	68
101	Search for outbursts in the narrow 511-keV line from compact sources based on INTEGRAL data. <i>Astronomy Letters</i> , 2010, 36, 237-247.	0.1	8
102	Completing the puzzle of the 2004-2005 outburst in V0332+53: the brightening phase included. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1628-1635.	1.6	81
103	INTEGRAL/IBIS 7-year All-Sky Hard X-ray Survey. <i>Astronomy and Astrophysics</i> , 2010, 519, A107.	2.1	51
104	Quenching of the strong aperiodic accretion disk variability at the magnetospheric boundary. <i>Astronomy and Astrophysics</i> , 2009, 507, 1211-1215.	2.1	64
105	Timing characteristics of the hard X-ray emission from bright X-ray pulsars based on INTEGRAL data. <i>Astronomy Letters</i> , 2009, 35, 433-456.	0.1	78
106	A study of the X-ray pulsars X1845-024 and XTE J1858+034 based on INTEGRAL observations. <i>Astronomy Reports</i> , 2008, 52, 138-151.	0.2	6
107	4U 0115+63 from RXTE and INTEGRAL data: Pulse profile and cyclotron line energy. <i>Astronomy Letters</i> , 2007, 33, 368-384.	0.1	74
108	V0332+53 in the outburst of 2004-2005: luminosity dependence of the cyclotron line and pulse profile. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 19-28.	1.6	131

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109	Observations of the transient X-ray pulsar KS 1947+300 by the INTEGRAL and RXTE observatories. <i>Astronomy Letters</i> , 2005, 31, 88-97.	0.1	31
110	Hard spectra of X-ray pulsars from INTEGRAL data. <i>Astronomy Letters</i> , 2005, 31, 729-747.	0.1	63
111	Optically thick envelopes around ULXs powered by accreting neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx141.	1.6	49
112	Hot disk of the Swift J0243.6+6124 revealed by Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	35
113	First characterization of a new high mass X-ray binary in LMC eRASSU J050810.4 <sup>+</sup> 660653 with <i>SRG/ART-XC</i> , <i>NuSTAR</i> and <i>Swift</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	3