

Sergey S Tsygankov

List of Publications by Year in descending order

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113
papers

3,700
citations

117625

34
h-index

149698

56
g-index

113
all docs

113
docs citations

113
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	High-mass X-ray binaries in the Milky Way. <i>Astronomy and Astrophysics Review</i> , 2015, 23, 1.	25.5	175
2	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.	4.4	163
3	The critical accretion luminosity for magnetized neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1847-1856.	4.4	144
4	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.	4.4	131
5	Propeller effect in action in the ultraluminous accreting magnetar M82 X ² . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1101-1106.	4.4	123
6	A REFLECTION MODEL FOR THE CYCLOTRON LINES IN THE SPECTRA OF X-RAY PULSARS. <i>Astrophysical Journal</i> , 2013, 777, 115.	4.5	113
7	A dust-enshrouded tidal disruption event with a resolved radio jet in a galaxy merger. <i>Science</i> , 2018, 361, 482-485.	12.6	113
8	Hard-X-ray emission lines from the decay of ⁴⁴ Ti in the remnant of supernova 1987A. <i>Nature</i> , 2012, 490, 373-375.	27.8	107
9	INTEGRAL/IBIS nine-year Galactic hard X-ray survey. <i>Astronomy and Astrophysics</i> , 2012, 545, A27.	5.1	90
10	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.	4.4	81
11	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.	1.0	78
12	4U 0115+63 from RXTE and INTEGRAL data: Pulse profile and cyclotron line energy. <i>Astronomy Letters</i> , 2007, 33, 368-384.	1.0	74
13	Propeller effect in two brightest transient X-ray pulsars: 4U 0115+63 and V 0332+53. <i>Astronomy and Astrophysics</i> , 2016, 593, A16.	5.1	74
14	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.	5.1	72
15	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.	4.4	70
16	INTEGRAL/IBIS 7-year All-Sky Hard X-Ray Survey. <i>Astronomy and Astrophysics</i> , 2010, 523, A61.	5.1	68
17	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.	1.0	65
18	Quenching of the strong aperiodic accretion disk variability at the magnetospheric boundary. <i>Astronomy and Astrophysics</i> , 2009, 507, 1211-1215.	5.1	64

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19	Luminosity dependence of the cyclotron line and evidence for the accretion regime transition in V 0332+53. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2143-2150.	4.4	64
20	Hard spectra of X-ray pulsars from INTEGRAL data. Astronomy Letters, 2005, 31, 729-747.	1.0	63
21	New changing look case in NGC 1566. Monthly Notices of the Royal Astronomical Society, 2019, 483, 558-564.	4.4	55
22	INTEGRAL/IBIS 7-year All-Sky Hard X-ray Survey. Astronomy and Astrophysics, 2010, 519, A107.	5.1	51
23	Multi-wavelength observations of the binary system PSR B1259-63/LS 2883 around the 2014 periastron passage. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1358-1370.	4.4	51
24	Stable accretion from a cold disc in highly magnetized neutron stars. Astronomy and Astrophysics, 2017, 608, A17.	5.1	51
25	Positive correlation between the cyclotron line energy and luminosity in sub-critical X-ray pulsars: Doppler effect in the accretion channel. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2714-2721.	4.4	50
26	Orbit and intrinsic spin-up of the newly discovered transient X-ray pulsar Swift J0243.6+6124. Astronomy and Astrophysics, 2018, 613, A19.	5.1	50
27	Optically thick envelopes around ULXs powered by accreting neutron stars. Monthly Notices of the Royal Astronomical Society, 0, , stx141.	4.4	49
28	Broad-band observations of the Be/X-ray binary pulsar RX J0440.9+4431: discovery of a cyclotron absorption line. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2407-2413.	4.4	47
29	The X-ray properties of Be/X-ray pulsars in quiescence. Monthly Notices of the Royal Astronomical Society, 2017, 470, 126-141.	4.4	47
30	Spectroscopic evidence for a low-mass black hole in SWIFT J1753.5-0127. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2424-2439.	4.4	44
31	Strong outburst activity of the X-ray pulsar X Persei during 2001-2011. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1978-1984.	4.4	43
32	Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future Directions. New Astronomy Reviews, 2019, 86, 101546.	12.8	43
33	On the radiation beaming of bright X-ray pulsars and constraints on neutron star mass-radius relation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5425-5436.	4.4	38
34	Dramatic spectral transition of X-ray pulsar GX 304-1 in low luminous state. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L144-L148.	3.3	37
35	New hard X-ray sources discovered in the ongoing INTEGRAL Galactic plane survey after 14 yr of observations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 512-516.	4.4	35
36	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.	3.3	35

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37	Hot disk of the Swift J0243.6+6124 revealed by Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	35
38	Transient X-ray pulsar V0332+53: pulse-phase-resolved spectroscopy and the reflection model. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2175-2186.	4.4	34
39	Cyclotron emission, absorption, and the two faces of X-ray pulsar A0535+262. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L30-L34.	3.3	33
40	Pulsating ULXs: large pulsed fraction excludes strong beaming. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2424-2429.	4.4	32
41	Observations of the transient X-ray pulsar KS 1947+300 by the INTEGRAL and RXTE observatories. Astronomy Letters, 2005, 31, 88-97.	1.0	31
42	XMM-Newton observations of 1A 0535+262 in quiescence. Astronomy and Astrophysics, 2014, 561, A96.	5.1	31
43	PROPELLER EFFECT IN THE TRANSIENT X-RAY PULSAR SMC X-2. Astrophysical Journal, 2017, 834, 209.	4.5	30
44	Discovery of a Pulse-phase-transient Cyclotron Line in the X-Ray pulsar GRO J2058+42. Astrophysical Journal Letters, 2019, 883, L11.	8.3	30
45	AT2017gbl: a dust obscured TDE candidate in a luminous infrared galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2167-2195.	4.4	29
46	Spectrum formation in X-ray pulsars at very low mass accretion rate: Monte Carlo approach. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5193-5203.	4.4	27
47	Galactic survey of ⁴⁴ Ti sources with the IBIS telescope onboard INTEGRAL. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3411-3419.	4.4	24
48	NuSTAR discovery of a cyclotron absorption line in the transient X-ray pulsar 2S 1553+542. Monthly Notices of the Royal Astronomical Society, 2016, 457, 258-266.	4.4	23
49	High-precision optical polarimetry of the accreting black hole V404 Cyg during the 2015 June outburst. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4362-4373.	4.4	22
50	INTEGRAL/IBIS 17-yr hard X-ray all-sky survey. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4796-4807.	4.4	22
51	Deep hard X-ray survey of the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2013, 428, 50-57.	4.4	21
52	Evolving optical polarisation of the black hole X-ray binary MAXI J1820+070. Astronomy and Astrophysics, 2019, 623, A75.	5.1	21
53	A flare in the optical spotted in the changing-look Seyfert NGC 3516. Astronomy and Astrophysics, 2020, 638, A13.	5.1	21
54	Evidence for the radiation-pressure dominated accretion disk in bursting pulsar GRO J1744+28 using timing analysis. Astronomy and Astrophysics, 2019, 626, A106.	5.1	20

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55	INTEGRAL 11-year hard X-ray survey above 100 keV. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3766-3774.	4.4	19
56	Black hole spin-orbit misalignment in the x-ray binary MAXI J1820+070. Science, 2022, 375, 874-876.	12.6	19
57	The origin of seed photons for Comptonization in the black hole binary Swift J1753.5-0127. Astronomy and Astrophysics, 2016, 591, A66.	5.1	18
58	SGR 0755+2933: a new high-mass X-ray binary with the wrong name. Astronomy and Astrophysics, 2021, 647, A165.	5.1	18
59	Multiwavelength monitoring and reverberation mapping of a changing look event in the Seyfert galaxy NGC 3516. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1029-1045.	4.4	18
60	2S 1553+542: a Be/X-ray binary pulsar on the far side of the Galaxy. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3823-3829.	4.4	17
61	Orbital parameters of V 0332+53 from 2015 giant outburst data. Astronomy and Astrophysics, 2016, 589, A72.	5.1	17
62	<i>NuSTAR</i> observations of wind-fed X-ray pulsar GX 301-2 during unusual spin-up event. Astronomy and Astrophysics, 2019, 629, A101.	5.1	17
63	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.	4.4	17
64	<i>NuSTAR</i> DISCOVERY OF AN UNUSUALLY STEADY LONG-TERM SPIN-UP OF THE Be BINARY 2RXP J130159.6-635806. Astrophysical Journal, 2015, 809, 140.	4.5	16
65	Discovery of the 5 keV Cyclotron Line Followed by Three Harmonics in Swift J1626.6-5156. Astrophysical Journal Letters, 2021, 915, L27.	8.3	16
66	Hard X-ray emission of Sco X-1. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1205-1212.	4.4	15
67	<i>NuSTAR</i> 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. Astronomy Letters, 2017, 43, 175-185.	1.0	15
68	Study of orbital and superorbital variability of LSI +61° 303 with X-ray data. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1718-1728.	4.4	15
69	SRG/ART-XC and <i>NuSTAR</i> Observations of the X-Ray pulsar GRO J1008-57 in the Lowest Luminosity State. Astrophysical Journal, 2021, 912, 17.	4.5	15
70	Radius of the neutron star magnetosphere during disk accretion. Astronomy Letters, 2017, 43, 706-729.	1.0	13
71	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.	5.1	13
72	The post-maximum behaviour of the changing-look Seyfert galaxy NGC 1566. Monthly Notices of the Royal Astronomical Society, 2020, 498, 718-727.	4.4	12

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73	Multi-Wavelength Properties of the 2021 Periastron Passage of PSR B1259-63. <i>Universe</i> , 2021, 7, 242.	2.5	12
74	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.	4.4	11
75	GRO J1750-27: A neutron star far behind the Galactic Center switching into the propeller regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 770-776.	4.4	11
76	X-Ray Pulsar XTE J1858+034: Discovery of the Cyclotron Line and the Revised Optical Identification. <i>Astrophysical Journal</i> , 2021, 909, 154.	4.5	11
77	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.	4.4	11
78	Discovery of a cyclotron absorption line in the transient X-ray pulsar XTE J1829-098. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 482, L14-L18.	3.3	10
79	15 years of galactic surveys and hard X-ray background measurements. <i>New Astronomy Reviews</i> , 2021, 92, 101612.	12.8	10
80	An observational argument against accretion in magnetars. <i>Astronomy and Astrophysics</i> , 2020, 643, A173.	5.1	10
81	Properties of the transient X-ray pulsar Swift J1816.7-1613 and its optical companion. <i>Astronomy and Astrophysics</i> , 2019, 622, A198.	5.1	9
82	Search for outbursts in the narrow 511-keV line from compact sources based on INTEGRAL data. <i>Astronomy Letters</i> , 2010, 36, 237-247.	1.0	8
83	Switches between accretion structures during flares in 4U 1901+03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5680-5692.	4.4	8
84	Multiwavelength observations of PSR J2032+4127 during the 2017 periastron passage. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 365-374.	4.4	8
85	First characterization of <i>Swift</i> J1845.7-0037 with <i>NuSTAR</i> . <i>Astronomy and Astrophysics</i> , 2020, 634, A89.	5.1	8
86	Observations of GRO J1744-28 in quiescence with <i>XMM-Newton</i> . <i>Astronomy and Astrophysics</i> , 2020, 643, A62.	5.1	8
87	<i>NuSTAR</i> 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.	4.4	7
88	Soft excess in the quiescent Be/X-ray pulsar RX J0812.4-3114. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4427-4439.	4.4	7
89	Discovery of a retrogradely rotating neutron star in the X-ray pulsar GX 301-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2178-2182.	4.4	7
90	The X-Ray Pulsar XTE J1858+034 Observed with <i>NuSTAR</i> and <i>Fermi/GBM</i> : Spectral and Timing Characterization plus a Cyclotron Line. <i>Astrophysical Journal</i> , 2021, 909, 153.	4.5	7

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91	The unusual behavior of the young X-ray pulsar SXP 1062 during the 2019 outburst. <i>Astronomy and Astrophysics</i> , 2020, 637, A33.	5.1	7
92	Time domain astronomy with the THESEUS satellite. <i>Experimental Astronomy</i> , 2021, 52, 309-406.	3.7	7
93	Physical modelling of viscous disc evolution around magnetized neutron star. Aql X-1 2013 outburst decay. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1837-1856.	4.4	7
94	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.	0.9	6
95	Identification of four X-ray sources from the INTEGRAL and Swift catalogs. <i>Astronomy Letters</i> , 2013, 39, 513-522.	1.0	6
96	Insight-HXMT insight into switch of the accretion mode: The case of the X-ray pulsar 4U 1901+03. <i>Journal of High Energy Astrophysics</i> , 2020, 27, 38-43.	6.7	6
97	Pulsating iron spectral features in the emission of X-ray pulsar VÂ0332+53. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2156-2169.	4.4	6
98	Discovery of a pulse-phase-transient cyclotron line in the X-ray pulsar Swiftâ€™s J1808.4âˆ’1754 and identification of an optical companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2707-2715.	4.4	6
99	Discovery of X-Rays from the Old and Faint Pulsar J1154â€™6250. <i>Astrophysical Journal</i> , 2018, 865, 116.	4.5	5
100	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.	4.4	5
101	Neutron star parameter constraints for accretion-powered millisecond pulsars from the simulated IXPE data. <i>Astronomy and Astrophysics</i> , 2021, 646, A23.	5.1	5
102	On the nature of the X-ray pulsar XTEâ€™s J1859+083 and its broad-band properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5955-5963.	4.4	5
103	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.	5.1	5
104	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.	5.1	4
105	DISCOVERY OF MORE CHANGING LOOK EVENTS IN NGC 1566. <i>Odessa Astronomical Publications</i> , 2019, 32, 75-78.	0.2	4
106	Study of the X-ray Pulsar XTE J1946+274 with NuSTAR. <i>Astronomy Letters</i> , 2021, 47, 390-401.	1.0	4
107	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.	4.4	3
108	Observational constraints on the magnetic field of the bright transient Be/X-ray pulsar SXPâ€™s 4.78. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3355-3364.	4.4	3

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109	Broad-band analysis of X-ray pulsar 2S 1845+024. <i>Astronomy and Astrophysics</i> , 2022, 657, A58.	5.1	3
110	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.	5.1	3
111	First characterization of a new high mass X-ray binary in LMC eRASSU J050810.4+660653 with <i>SRG</i> /ART-XC, <i>NuSTAR</i> and <i>Swift</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	3
112	Spectral evolution of X-ray pulsar 4U 1901+03 during the 2019 outburst based on Insight-HXMT and NuSTAR observations. <i>Astronomy and Astrophysics</i> , 2021, 652, A89.	5.1	0
113	Discovery of new changing look in NGC 1566. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 127-131.	0.0	0