

# Petra Suková

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

415  
citations

933447

10  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar Transits across a Magnetized Accretion Torus as a Mechanism for Plasmoid Ejection. <i>Astrophysical Journal</i> , 2021, 917, 43.	4.5	36
2	Effects of adiabatic index on the sonic surface and time variability of low angular momentum accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 755-768.	4.4	16
3	Free Motion around Black Holes with Disks or Rings: Between Integrability and Chaos – V. <i>Astrophysical Journal</i> , 2019, 877, 16.	4.5	10
4	Accretion in a Dynamical Spacetime and the Spinning Up of the Black Hole in the Gamma-Ray Burst Central Engine. <i>Astrophysical Journal</i> , 2018, 868, 68.	4.5	8
5	On the possible gamma-ray burst – gravitational wave association in GW150914. <i>New Astronomy</i> , 2017, 51, 7-14.	1.8	49
6	Shocks in the relativistic transonic accretion with low angular momentum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4327-4342.	4.4	29
7	Black Hole Accretion in Gamma Ray Bursts. <i>Galaxies</i> , 2017, 5, 15.	3.0	4
8	Non-linear behaviour of XTE J1550-564 during its 1998 – 1999 outburst, revealed by recurrence analysis. <i>Astronomy and Astrophysics</i> , 2016, 591, A77.	5.1	7
9	Transonic structure of slowly rotating accretion flows with shocks around black holes. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 23-26.	0.0	0
10	Response of a class of mechanical oscillators described by a novel system of differential-algebraic equations. <i>Applications of Mathematics</i> , 2016, 61, 79-102.	0.9	2
11	Chaotic and stochastic processes in the accretion flows of the black hole X-ray binaries revealed by recurrence analysis. <i>Astronomy and Astrophysics</i> , 2016, 586, A143.	5.1	26
12	Shocks in the low angular momentum accretion flow. <i>Journal of Physics: Conference Series</i> , 2015, 600, 012012.	0.4	5
13	Free motion around black holes with discs or rings: between integrability and chaos – IV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1770-1794.	4.4	38
14	Deterministic Chaos in the X-ray Sources. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 529.	1.0	3
15	Oscillating shocks in the low angular momentum flows as a source of variability of accreting black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1565-1579.	4.4	34
16	Geodesic Chaos in Perturbed Black-Hole Fields. <i>Springer Proceedings in Physics</i> , 2014, , 449-453.	0.2	0
17	Free motion around black holes with discs or rings: between integrability and chaos – III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 978-996.	4.4	39
18	Recurrence of geodesics in a black-hole-disc field. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Free motion around black holes with discs or rings: between integrability and chaos - II. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2455-2476.	4.4	44
20	Chaotic geodesic motion around a black hole and disc. Journal of Physics: Conference Series, 2011, 314, 012087.	0.4	5
21	Free motion around black holes with discs or rings: between integrability and chaos - I. Monthly Notices of the Royal Astronomical Society, 0, 404, 545-574.	4.4	58