Petra SukovÃ¡

List of Publications by Year
in descending order

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21	415	933447	888059
papers	citations	10	17
		h-index	g-index

21	21	21	813
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	On the possible gamma-ray burstâ€“gravitational wave association in GW150914. New Astronomy, 2017, 51, 7-14.	1.8	49
3	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
4	Free motion around black holes with discs or rings: between integrability and chaos â€“ III. Monthly Notices of the Royal Astronomical Society, 2013, 436, 978-996.	4.4	39
5	Free motion around black holes with discs or rings: between integrability and chaos â€“ IV. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1770-1794.	4.4	38
6	Stellar Transits across a Magnetized Accretion Torus as a Mechanism for Plasmoid Ejection. Astrophysical Journal, 2021, 917, 43.	4.5	36
7	Oscillating shocks in the low angular momentum flows as a source of variability of accreting black holes. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1565-1579.	4.4	34
8	Shocks in the relativistic transonic accretion with low angular momentum. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4327-4342.	4.4	29
9	Chaotic and stochastic processes in the accretion flows of the black hole X-ray binaries revealed by recurrence analysis. Astronomy and Astrophysics, 2016, 586, A143.	5.1	26
10	Effects of adiabatic index on the sonic surface and time variability of low angular momentum accretion flows. Monthly Notices of the Royal Astronomical Society, 2019, 487, 755-768.	4.4	16
11	Free Motion around Black Holes with Disks or Rings: Between Integrability and Chaosâ€“V. Astrophysical Journal, 2019, 877, 16.	4.5	10
12	Accretion in a Dynamical Spacetime and the Spinning Up of the Black Hole in the Gamma-Ray Burst Central Engine. Astrophysical Journal, 2018, 868, 68.	4.5	8
13	Non-linear behaviour of XTE J1550-564 during its 1998â^'1999 outburst, revealed by recurrence analysis. Astronomy and Astrophysics, 2016, 591, A77.	5.1	7
14	Chaotic geodesic motion around a black hole and disc. Journal of Physics: Conference Series, 2011, 314, 012087.	0.4	5
15	Shocks in the low angular momentum accretion flow. Journal of Physics: Conference Series, 2015, 600, 012012.	0.4	5
16	Black Hole Accretion in Gamma Ray Bursts. Galaxies, 2017, 5, 15.	3.0	4
17	Deterministic Chaos in the X-ray Sources. Journal of Astrophysics and Astronomy, 2015, 36, 529.	1.0	3
18	Recurrence of geodesics in a black-hole-disc field. , 2012, , .		2

#	Article	IF	Citations
19	Response of a class of mechanical oscillators described by a novel system of differential-algebraic equations. Applications of Mathematics, 2016, 61, 79-102.	0.9	2
20	Transonic structure of slowly rotating accretion flows with shocks around black holes. Proceedings of the International Astronomical Union, 2016, 12, 23-26.	0.0	0
21	Geodesic Chaos in Perturbed Black-Hole Fields. Springer Proceedings in Physics, 2014, , 449-453.	0.2	0