

Shoko Sakai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/465508/publications.pdf>

Version: 2024-02-01

12
papers

673
citations

1039406

9
h-index

1473754

9
g-index

12
all docs

12
docs citations

12
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic redshift of the star S0-2 orbiting the Galactic Center supermassive black hole. <i>Science</i> , 2019, 365, 664-668.	6.0	270
2	Testing General Relativity with Stellar Orbits around the Supermassive Black Hole in Our Galactic Center. <i>Physical Review Letters</i> , 2017, 118, 211101.	2.9	173
3	Unprecedented Near-infrared Brightness and Variability of Sgr A*. <i>Astrophysical Journal Letters</i> , 2019, 882, L27.	3.0	58
4	Investigating the Binarity of S0-2: Implications for Its Origins and Robustness as a Probe of the Laws of Gravity around a Supermassive Black Hole. <i>Astrophysical Journal</i> , 2018, 854, 12.	1.6	48
5	Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center. <i>Physical Review Letters</i> , 2020, 124, 081101.	2.9	32
6	The Galactic Center: Improved Relative Astrometry for Velocities, Accelerations, and Orbits near the Supermassive Black Hole. <i>Astrophysical Journal</i> , 2019, 873, 9.	1.6	28
7	The Galactic Center: An Improved Astrometric Reference Frame for Stellar Orbits around the Supermassive Black Hole. <i>Astrophysical Journal</i> , 2019, 873, 65.	1.6	24
8	Improving Orbit Estimates for Incomplete Orbits with a New Approach to Priors: with Applications from Black Holes to Planets. <i>Astronomical Journal</i> , 2019, 158, 4.	1.9	22
9	An Adaptive Optics Survey of Stellar Variability at the Galactic Center. <i>Astrophysical Journal</i> , 2019, 871, 103.	1.6	18
10	Galaxy Preprocessing in a Starbursting Group Infalling into Abell1367. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 197-197.	0.0	0
11	Constraining the Variability and Binary Fraction of Galactic Center Young Stars. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 237-238.	0.0	0
12	Analyzing long-term performance of the Keck-II adaptive optics system. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.0	0