

Andreas Eckart

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

2,232
citations

15
h-index

32
g-index

32
ext. papers

3,104
ext. citations

4.4
avg, IF

4.33
L-index

#	Paper	IF	Citations
29	Mid-infrared Studies of Dusty Sources in the Galactic Center. <i>Astrophysical Journal</i> , 2022 , 929, 178	4.7	0
28	First Observed Interaction of the Circumstellar Envelope of an S-star with the Environment of Sgr A*. <i>Astrophysical Journal</i> , 2021 , 909, 62	4.7	4
27	Observation of the Apoapsis of S62 in 2019 with NIRC2 and SINFONI. <i>Astrophysical Journal</i> , 2021 , 918, 25	4.7	3
26	The Apparent Tail of the Galactic Center Object G2/DSO. <i>Astrophysical Journal</i> , 2021 , 923, 69	4.7	2
25	Kinematic Structure of the Galactic Center S Cluster. <i>Astrophysical Journal</i> , 2020 , 896, 100	4.7	16
24	Effect of Electromagnetic Interaction on Galactic Center Flare Components. <i>Astrophysical Journal</i> , 2020 , 897, 99	4.7	18
23	S62 on a 9.9 yr Orbit around SgrA*. <i>Astrophysical Journal</i> , 2020 , 889, 61	4.7	25
22	Near- and Mid-infrared Observations in the Inner Tenth of a Parsec of the Galactic Center Detection of Proper Motion of a Filament Very Close to Sgr A*. <i>Astrophysical Journal</i> , 2020 , 897, 28	4.7	10
21	Synchrotron Self-Compton Scattering in Sgr A* Derived from NIR and X-Ray Flare Statistics. <i>Astrophysical Journal</i> , 2020 , 898, 138	4.7	4
20	S62 and S4711: Indications of a Population of Faint Fast-moving Stars inside the S2 Orbit on a 7.6 yr Orbit around Sgr A*. <i>Astrophysical Journal</i> , 2020 , 899, 50	4.7	32
19	Depletion of Bright Red Giants in the Galactic Center during Its Active Phases. <i>Astrophysical Journal</i> , 2020 , 903, 140	4.7	6
18	Constraining the accretion flow density profile near Sgr A* using the L ₂ -band emission of the S2 star. <i>Astronomy and Astrophysics</i> , 2020 , 644, A105	5.1	9
17	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
16	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
15	Constraining the charge of the Galactic centre black hole. <i>Journal of Physics: Conference Series</i> , 2019 , 1258, 012031	0.3	15
14	Near-infrared observations of star formation and gas flows in the NUGA galaxy NGC 1365. <i>Astronomy and Astrophysics</i> , 2019 , 622, A128	5.1	11
13	The X-ray footprint of the circumnuclear disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 474, 3787-3807	4.3	5

12	On the charge of the Galactic centre black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 4408-4423	4.3	48
11	Polarization: A Method to Reveal the True Nature of the Dusty S-Cluster Object (DSO/G2). <i>Galaxies</i> , 2018 , 6, 13	2	
10	The Milky Way's Supermassive Black Hole: How Good a Case Is It?. <i>Foundations of Physics</i> , 2017 , 47, 553-624	6.2	60
9	Approaching hell's kitchen: Molecular daredevil clouds in the vicinity of Sagittarius A*. <i>Astronomy and Astrophysics</i> , 2017 , 603, A68	5.1	22
8	Investigating the Relativistic Motion of the Stars Near the Supermassive Black Hole in the Galactic Center. <i>Astrophysical Journal</i> , 2017 , 845, 22	4.7	68
7	Nature of the Galactic centre NIR-excess sources. <i>Astronomy and Astrophysics</i> , 2017 , 602, A121	5.1	14
6	MONITORING THE DUSTY S-CLUSTER OBJECT (DSO/G2) ON ITS ORBIT TOWARD THE GALACTIC CENTER BLACK HOLE. <i>Astrophysical Journal</i> , 2015 , 800, 125	4.7	43
5	Dust-enshrouded star near supermassive black hole: predictions for high-eccentricity passages near low-luminosity galactic nuclei. <i>Astronomy and Astrophysics</i> , 2014 , 565, A17	5.1	23
4	ISAAC M-band spectroscopy of dust embedded sources at the Galactic Center. <i>Journal of Physics: Conference Series</i> , 2006 , 54, 57-61	0.3	1
3	The Black Hole at the Center of the Milky Way 2005 ,		21
2	Variable and Embedded Stars in the Galactic Center. <i>Astrophysical Journal</i> , 1999 , 523, 248-264	4.7	108
1	The Position of Sagittarius A*: Accurate Alignment of the Radio and Infrared Reference Frames at the Galactic Center. <i>Astrophysical Journal</i> , 1997 , 475, L111-L114	4.7	123