Stanislav S Shabala

List of Publications by Year
in descending order

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94 papers	2,912 citations	136950 32 h-index	189892 50 g-index
96 all docs	96 docs citations	96 times ranked	3295 citing authors

#	Article	IF	Citations
1	Calcium Efflux Systems in Stress Signaling and Adaptation in Plants. Frontiers in Plant Science, 2011, 2, 85.	3.6	206
2	Cross-talk between reactive oxygen species and polyamines in regulation of ion transport across the plasma membrane: implications for plant adaptive responses. Journal of Experimental Botany, 2014, 65, 1271-1283.	4.8	197
3	Blue light-induced kinetics of H+ and Ca2+ fluxes in etiolated wild-type and phototropin-mutant Arabidopsis seedlings. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2433-2438.	7.1	114
4	The duty cycle of local radio galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 388, 625-637.	4.4	106
5	AGN JET KINETIC POWER AND THE ENERGY BUDGET OF RADIO GALAXY LOBES. Astrophysical Journal, 2013, 767, 12.	4.5	105
6	The Microâ€Arcsecond Scintillationâ€Induced Variability (MASIV) Survey. II. The First Four Epochs. Astrophysical Journal, 2008, 689, 108-126.	4.5	98
7	Radio Galaxy Zoo: host galaxies and radio morphologies derived from visual inspection. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2327-2341.	4.4	93
8	ENERGETICS AND LIFETIMES OF LOCAL RADIO ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2015, 806, 59.	4.5	90
9	Radio Galaxy Zoo:<scp>Claran</scp>â€“ a deep learning classifier for radio morphologies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1211-1230.	4.4	71
10	The Evolutionary Map of the Universe pilot survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	64
11	Discovery of Hâ€‰i gas in a young radio galaxy at z = 0.44 using the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1249-1267.	4.4	61
12	The drivers of AGN activity in galaxy clusters: AGN fraction as a function of mass and environment. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1827-1839.	4.4	60
13	Molecular and atomic gas in dust lane early-type galaxies â€“ I. Low star formation efficiencies in minor merger remnants. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3503-3516.	4.4	56
14	Triggered star formation in the inner filament of Centaurus A. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1603-1623.	4.4	55
15	Galaxy Zoo: dust and molecular gas in early-type galaxies with prominent dust lanesâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 423, 49-58.	4.4	52
16	Mutual distance dependence drives the observed jet-powerâ€“radio-luminosity scaling relations in radio galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1172-1184.	4.4	52
17	Homeostatic control of slow vacuolar channels by luminal cations and evaluation of the channel-mediated tonoplast Ca2+ fluxes in situ. Journal of Experimental Botany, 2008, 59, 3845-3855.	4.8	50
18	A simple model for AGN feedback in nearby early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3798-3806.	4.4	46

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19	The Australia Telescope Large Area Survey: spectroscopic catalogue and radio luminosity functions. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3334-3348.	4.4	44
20	Galaxy Zoo: dust lane early-type galaxies are tracers of recent, gas-rich minor mergersâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 423, 59-67.	4.4	44
21	SIZE DEPENDENCE OF THE RADIO-LUMINOSITY-MECHANICAL-POWER CORRELATION IN RADIO GALAXIES. Astrophysical Journal, 2013, 769, 129.	4.5	42
22	The life cycle of radio galaxies in the LOFAR Lockman Hole field. Astronomy and Astrophysics, 2020, 638, A34.	5.1	42
23	The duty cycle of radio galaxies revealed by LOFAR: remnant and restarted radio source populations in the Lockman Hole. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1706-1717.	4.4	41
24	How frequent are close supermassive binary black holes in powerful jet sources?. Monthly Notices of the Royal Astronomical Society, 2019, 482, 240-261.	4.4	40
25	RAiSE II: resolved spectral evolution in radio AGN. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4179-4196.	4.4	39
26	RAiSE III: 3C radio AGN energetics and composition. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3361-3379.	4.4	39
27	Radio Galaxy Zoo: machine learning for radio source host galaxy cross-identification. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5547-5563.	4.4	38
28	The AuScope geodetic VLBI array. Journal of Geodesy, 2013, 87, 527-538.	3.6	36
29	Radio Galaxy Zoo: Unsupervised Clustering of Convolutionally Auto-encoded Radio-astronomical Images. Publications of the Astronomical Society of the Pacific, 2019, 131, 108011.	3.1	36
30	Radio Galaxy Zoo: The Distortion of Radio Galaxies by Galaxy Clusters. Astronomical Journal, 2019, 157, 126.	4.7	36
31	Delayed triggering of radio active galactic nuclei in gas-rich minor mergers in the local Universe. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4706-4720.	4.4	34
32	Radio Galaxy Zoo: A Search for Hybrid Morphology Radio Galaxies. Astronomical Journal, 2017, 154, 253.	4.7	33
33	RADIO SOURCE FEEDBACK IN GALAXY EVOLUTION. Astrophysical Journal, 2009, 699, 525-538.	4.5	32
34	The triggering of local AGN and their role in regulating star formation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 774-783.	4.4	32
35	The many lives of active galactic nucleiâ€"II: The formation and evolution of radio jets and their impact on galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2017, 471, 658-670.	4.4	32
36	Extended emission associated with young Hâ€ƒii regions. Monthly Notices of the Royal Astronomical Society, 2005, 357, 1003-1012.	4.4	29

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37	Active galactic nucleus feedback drives the colour evolution of local galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2815-2826.	4.4	28
38	An ALMA view of star formation efficiency suppression in early-type galaxies after gas-rich minor mergers. Monthly Notices of the Royal Astronomical Society, 2018, 476, 122-132.	4.4	28
39	Triggering active galactic nuclei in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3615-3628.	4.4	27
40	Cold-gas outflows in typical low-redshift galaxies are driven by star formation, not AGN. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 456, L25-L29.	3.3	26
41	Radio AGN in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1595-1604.	4.4	24
42	Spheroidal post-mergers in the local Universe. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2139-2146.	4.4	23
43	Radio Galaxy Zoo: discovery of a poor cluster through a giant wide-angle tail radio galaxy. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2376-2384.	4.4	21
44	Observability of intermittent radio sources in galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5286-5306.	4.4	21
45	Discovery of a new extragalactic circular radio source with ASKAP: ORCÂJ0102â€“2450. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L11-L15.	3.3	21
46	Radio Galaxy Zoo: cosmological alignment of radio sources. Monthly Notices of the Royal Astronomical Society, 2017, 472, 636-646.	4.4	20
47	Remnant radio galaxies discovered in a multi-frequency survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	20
48	Deep Extragalactic VIsible Legacy Survey (DEVILS): identification of AGN through SED fitting and the evolution of the bolometric AGN luminosity function. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4940-4961.	4.4	20
49	The best of both worlds: Combining LOFAR and Apertif to derive resolved radio spectral index images. Astronomy and Astrophysics, 2021, 648, A9.	5.1	19
50	MeerKAT uncovers the physics of an odd radio circle. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1300-1316.	4.4	19
51	Multi-scale feedback and feeding in the closest radio galaxy Centaurus A. Nature Astronomy, 2022, 6, 109-120.	10.1	16
52	Investigating the properties of active galactic nucleus feedback in hot atmospheres triggered by cooling-induced gravitational collapse. Monthly Notices of the Royal Astronomical Society, 2012, 419, 50-56.	4.4	15
53	A Herschelâ˜…-ATLAS study of dusty spheroids: probing the minor-merger process in the local Universe. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1463-1468.	4.4	15
54	Radio Galaxy Zoo: Knowledge Transfer Using Rotationally Invariant Self-organizing Maps. Publications of the Astronomical Society of the Pacific, 2019, 131, 108009.	3.1	15

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55	Radio Galaxy Zoo: observational evidence for environment as the cause of radio source asymmetry. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5625-5641.	4.4	15
56	Dynamics of relativistic radio jets in asymmetric environments. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5239-5250.	4.4	15
57	The effects of frequency-dependent quasar variability on the celestial reference frame. Journal of Geodesy, 2014, 88, 575-586.	3.6	14
58	Mysterious odd radio circle near the large magellanic cloud â€“ an intergalactic supernova remnant?. Monthly Notices of the Royal Astronomical Society, 2022, 512, 265-284.	4.4	14
59	MEASURING THE JET POWER OF FLAT-SPECTRUM RADIO QUASARS. Astrophysical Journal, 2012, 756, 161.	4.5	13
60	Challenges for geodetic VLBI in the southern hemisphere. Advances in Space Research, 2015, 56, 304-313.	2.6	13
61	PKS 2250â€“351: A giant radio galaxy in Abell 3936. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	13
62	Radio Galaxy Zoo: using semi-supervised learning to leverage large unlabelled data sets for radio galaxy classification under data set shift. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2599-2613.	4.4	13
63	Simulating the effects of quasar structure on parameters from geodetic VLBI. Journal of Geodesy, 2015, 89, 873-886.	3.6	12
64	Feedback by supermassive black holes in galaxy evolution: impacts of accretion and outflows on the star formation rate. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1509-1522.	4.4	12
65	Deep ASKAP EMU Survey of the GAMA23 field: properties of radio sources. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6104-6121.	4.4	12
66	The AUSTRAL VLBI observing program. Journal of Geodesy, 2017, 91, 803-817.	3.6	10
67	Radio Galaxy Zoo: new giant radio galaxies in the RGZ DR1 catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 68-76.	4.4	10
68	PRAiSE: resolved spectral evolution in simulated radio sources. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5225-5240.	4.4	10
69	Testing general relativity with geodetic VLBI. Astronomy and Astrophysics, 2018, 618, A8.	5.1	9
70	The role of environment in the observed Fundamental Plane of radio active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5074-5080.	4.4	9
71	Cosmology with powerful radio-loud AGNs. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1225-1235.	4.4	9
72	RAiSE X: searching for radio galaxies in X-ray surveys. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5181-5194.	4.4	9

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73	Evolution of H II regions in hierarchically structured molecular clouds. Monthly Notices of the Royal Astronomical Society, 2006, 372, 457-466.	4.4	8
74	Sound waves in the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1413-1420.	4.4	7
75	Scintillation is an indicator of astrometric stability. Monthly Notices of the Royal Astronomical Society, 2013, 434, 585-594.	4.4	7
76	Probing gaseous halos of galaxies with radio jets. Astronomy and Astrophysics, 2019, 627, A113.	5.1	7
77	RAiSERed: radio continuum redshifts for lobed active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3660-3672.	4.4	7
78	Radio Galaxy Zoo: giant radio galaxy classification using multidomain deep learning. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4504-4524.	4.4	7
79	On the estimation of a celestial reference frame in the presence of source structure. Monthly Notices of the Royal Astronomical Society, 2016, 455, 343-356.	4.4	6
80	BL LAC OBJECT PKS B1144â€“379: AN EXTREME SCINTILLATOR. Astrophysical Journal Letters, 2012, 754, L19.	8.3	5
81	Interstellar scintillation of an extreme scintillator: PKSâ€‰B1144â˜’379. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4615-4634.	4.4	4
82	Selecting and modelling remnant AGNs with limited spectral coverage. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3466-3484.	4.4	4
83	AGN feedback through sound wave dissipation. Astrophysics and Space Science, 2007, 311, 311-315.	1.4	3
84	Magnetic fields in galaxies - I. Radio discs in local late-type galaxies. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	2
85	Reconciliation of damped Lyman Î± and Hâ€ƒii region metallicities. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2145-2153.	4.4	2
86	Results from the Regional AUSTRAL VLBI Sessions for Southern Hemisphere Reference Frames. International Association of Geodesy Symposia, 2015, , 129-134.	0.4	1
87	Changing modality behaviour in the radio light curve of blazar PKSâ€‰B1144Ââ˜Â379. Monthly Notices of the Royal Astronomical Society, 2021, 506, 288-297.	4.4	1
88	HST WFC3/Grism observations of the candidate ultra-high-redshift radio galaxy GLEAM J0917â€“0012. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	1
89	Microarcsecond scintillation-induced variability (MASIV) survey of the northern sky. Astronomical and Astrophysical Transactions, 2007, 26, 575-583.	0.2	0
90	Positive AGN feedback in Centaurus A. Proceedings of the International Astronomical Union, 2012, 10, 133-133.	0.0	0

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91	Effects of large-scale AGN feedback in local galaxies. Proceedings of the International Astronomical Union, 2012, 8, 375-375.	0.0	0
92	The Effects of Simulated and Observed Quasar Structure on the VLBI Reference Frame. International Association of Geodesy Symposia, 2015, , 191-199.	0.4	0
93	Environmental dependence of radio galaxy populations. Proceedings of the International Astronomical Union, 2018, 14, 82-85.	0.0	0
94	Investigating the evolution of PKSÂB1144â^'379: Comparison of VLBI and scintillation techniques. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0