Ivan Minchev

List of Publications by Year
in descending order

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62	7,296	94433	144013
papers	citations	37 h-index	57 g-index

62	62	62	6339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NGC 5746: Formation history of a massive disc-dominated galaxy. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2458-2478.	4.4	11
2	On the flaring of thick discs of galaxies: insights from simulations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5105-5120.	4.4	12
3	The GALAH survey: temporal chemical enrichment of the galactic disc. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2043-2056.	4.4	21
4	An optimized tiling pattern for multiobject spectroscopic surveys: application to the 4MOST survey. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4626-4643.	4.4	2
5	The <scp>hestia</scp> project: simulations of the Local Group. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2968-2983.	4.4	56
6	Fluctuations in galactic bar parameters due to barâ€“spiral interaction. Monthly Notices of the Royal Astronomical Society, 2020, 497, 933-955.	4.4	45
7	Birth sites of young stellar associations and recent star formation in a flocculent corrugated disc. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5623-5640.	4.4	7
8	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. Astronomical Journal, 2020, 160, 83.	4.7	96
9	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. Astronomical Journal, 2020, 160, 82.	4.7	85
10	Kinematics with Gaia DR2: the force of a dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 490, 797-812.	4.4	39
11	Footprints of the Sagittarius dwarf galaxy in the Gaia data set. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3134-3152.	4.4	196
12	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. Astrophysical Journal, 2019, 871, 181.	4.5	25
13	Ensemble age inversions for large spectroscopic surveys. Astronomy and Astrophysics, 2019, 629, A127.	5.1	4
14	CLUES about M33: the reversed radial stellar age gradient in the outskirts of Triangulum galaxy. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4455-4467.	4.4	8
15	Migration in the shearing sheet and estimates for young open cluster migration. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4450-4466.	4.4	25
16	Correlations between age, kinematics, and chemistry as seen by the RAVE survey. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5612-5624.	4.4	13
17	Spiral arm crossings inferred from ridges in Gaia stellar velocity distributions. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3132-3139.	4.4	43
18	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. Astrophysical Journal, Supplement Series, 2018, 235, 42.	7.7	796

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19	Coma Berenices: The First Evidence for Incomplete Vertical Phase-mixing in Local Velocity Space with RAVEâ€"Confirmed with Gaia DR2. Research Notes of the AAS, 2018, 2, 32.	0.7	16
20	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. Astronomical Journal, 2017, 153, 75.	4.7	380
21	THE RELATIONSHIP BETWEEN MONO-ABUNDANCE AND MONO-AGE STELLAR POPULATIONS IN THE MILKY WAY DISK. Astrophysical Journal, 2017, 834, 27.	4.5	53
22	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. Astrophysical Journal, Supplement Series, 2017, 233, 25.	7.7	406
23	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
24	Extragalactic archeology with the GHOSTS Survey. Astronomy and Astrophysics, 2016, 585, A97.	5.1	18
25	A RADIAL AGE GRADIENT IN THE GEOMETRICALLY THICK DISK OF THE MILKY WAY. Astrophysical Journal, 2016, 831, 139.	4.5	72
26	EVIDENCE OF ONGOING RADIAL MIGRATION IN NGC 6754: AZIMUTHAL VARIATIONS OF THE GAS PROPERTIES. Astrophysical Journal Letters, 2016, 830, L40.	8.3	50
27	The parent populations of six groups identified from chemical tagging in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2354-2366.	4.4	11
28	The stellar kinematics of corotating spiral arms in Gaia mock observations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2132-2142.	4.4	23
29	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. Astrophysical Journal, 2015, 808, 132.	4.5	468
30	ON THE FORMATION OF GALACTIC THICK DISKS. Astrophysical Journal Letters, 2015, 804, L9.	8.3	151
31	Dissecting simulated disc galaxies â€“ II. The ageâ€"velocity relation. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2452-2462.	4.4	84
32	Dissecting simulated disc galaxies â€“ I. The structure of mono-age populations. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2474-2486.	4.4	50
33	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. Astrophysical Journal, 2014, 796, 38.	4.5	181
34	4MOST: 4-metre Multi-Object Spectroscopic Telescope. Proceedings of SPIE, 2014, , .	0.8	53
35	Vertical density waves in the Milky Way disc induced by the Sagittarius dwarf galaxy. Monthly Notices of the Royal Astronomical Society, 2013, 429, 159-164.	4.4	182
36	Velocity and abundance precisions for future highâ€resolution spectroscopic surveys: A study for 4MOST. Astronomische Nachrichten, 2013, 334, 197-216.	1.2	13

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37	The properties of the local spiral arms from RAVE data: two-dimensional density wave approach. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2335-2342.	4.4	99
38	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. Astrophysical Journal, 2012, 761, 160.	4.5	66
39	4MOST: 4-metre multi-object spectroscopic telescope. Proceedings of SPIE, 2012, , .	0.8	118
40	Signatures of minor mergers in Milky Way like disc kinematics: ringing revisited. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2163-2172.	4.4	58
41	Signatures of minor mergers in the Milky Way disc - I. The SEGUE stellar sample. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3727-3739.	4.4	55
42	THE DAWNING OF THE STREAM OF AQUARIUS IN RAVE. Astrophysical Journal, 2011, 728, 102.	4.5	54
43	Detection of a radial velocity gradient in the extended local disc with RAVE. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2026-2032.	4.4	91
44	Chemically tagging the Hyades stream: does it partly originate from the Hyades cluster?â˜.... Monthly Notices of the Royal Astronomical Society, 2011, 415, 1138-1154.	4.4	54
45	Structure in phase space associated with spiral and bar density waves in an N-body hybrid galactic disc. Monthly Notices of the Royal Astronomical Society, 2011, 417, 762-784.	4.4	109
46	A NEW MECHANISM FOR RADIAL MIGRATION IN GALACTIC DISKS: SPIRAL-BAR RESONANCE OVERLAP. Astrophysical Journal, 2010, 722, 112-121.	4.5	279
47	Radial mixing due to spiralâ€“bar resonance overlap: Implications to the Milky Way. EAS Publications Series, 2010, 45, 299-302.	0.3	1
48	The morphology of galactic rings exterior to evolving bars: test-particle simulations. Monthly Notices of the Royal Astronomical Society, 2009, 395, 537-553.	4.4	10
49	Radial mixing in the outer Milky Way disc caused by an orbiting satellite. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1599-1606.	4.4	116
50	Non-equilibrium Dynamical Processes in the Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 178-179.	0.0	0
51	Constraining spiral structure parameters through Galactic pencil-beam and large-scale radial velocity surveys. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1579-1587.	4.4	21
52	Towards a spectral technique for determining material geometry around evolved stars: application to HD 179821. Monthly Notices of the Royal Astronomical Society, 2008, 388, 716-722.	4.4	6
53	THE RADIAL VELOCITY EXPERIMENT (RAVE): SECOND DATA RELEASE. Astronomical Journal, 2008, 136, 421-451.	4.7	203
54	New Constraints on the Galactic Bar. Astrophysical Journal, 2007, 664, L31-L34.	4.5	77

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55	The effect of spiral structure on the measurements of the Oort constants. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1163-1174.	4.4	19
56	The Radial Velocity Experiment (RAVE): First Data Release. Astronomical Journal, 2006, 132, 1645-1668.	4.7	716
57	Driving Spiral Arms in the Circumstellar Disks of HD 100546 and HD 141569A. Astronomical Journal, 2005, 129, 2481-2495.	4.7	47
58	The Effect of Spiral Structure on the Stellar Velocity Distribution in the Solar Neighborhood. Astronomical Journal, 2005, 130, 576-585.	4.7	122
59	Low-velocity streams in the solar neighbourhood caused by the Galactic bar. Monthly Notices of the Royal Astronomical Society, 0, 407, 2122-2130.	4.4	94
60	Yule-Simpsonâ€™s paradox in Galactic Archaeology. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	24
61	NIHAO-UHD: The properties of MW-like stellar disks in high resolution cosmological simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	53
62	Reliability and limitations of inferring birth radii in the Milky Way disk. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	9