

# George A Gontcharov

## List of Publications by Year in descending order

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36  
papers

939  
citations

567281

15  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulkovo Compilation of Radial Velocities for 35 495 Hipparcos stars in a common system. <i>Astronomy Letters</i> , 2006, 32, 759-771.	1.0	297
2	Photocentric orbits from a direct combination of ground-based astrometry with Hipparcos II. Preliminary orbits for six astrometric binaries. <i>New Astronomy</i> , 2010, 15, 324-331.	1.8	196
3	3D stellar reddening map from 2MASS photometry: An improved version. <i>Astronomy Letters</i> , 2017, 43, 472-488.	1.0	34
4	3D interstellar extinction map within the nearest kiloparsec. <i>Astronomy Letters</i> , 2012, 38, 87-100.	1.0	30
5	Variations of the interstellar extinction law within the nearest kiloparsec. <i>Astronomy Letters</i> , 2012, 38, 12-24.	1.0	29
6	Influence of the Gould belt on interstellar extinction. <i>Astronomy Letters</i> , 2009, 35, 780-790.	1.0	23
7	Red giant clump in the Tycho-2 catalogue. <i>Astronomy Letters</i> , 2008, 34, 785-796.	1.0	22
8	Spatial distribution and kinematics of OB stars. <i>Astronomy Letters</i> , 2012, 38, 694-706.	1.0	22
9	Verifying reddening and extinction for Gaia DR1 TGAS main sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3805-3820.	4.4	22
10	Verifying reddening and extinction for Gaia DR1 TGAS giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1121-1130.	4.4	20
11	Interstellar polarization and extinction in the Local Bubble and the Gould Belt. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 299-314.	4.4	20
12	Interstellar Extinction. <i>Astrophysics</i> , 2016, 59, 548-579.	0.5	18
13	Dependence of kinematics on the age of stars in the solar neighborhood. <i>Astronomy Letters</i> , 2012, 38, 771-782.	1.0	17
14	Three-dimensional reddening map for stars from 2MASS photometry: The method and the first results. <i>Astronomy Letters</i> , 2010, 36, 584-595.	1.0	15
15	On the discrepancy between asteroseismic and <i>Gaia</i> DR1 TGAS parallaxes. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L97-L101.	3.3	15
16	Isochrone fitting of Galactic globular clusters â€“ I. NGCâ€™5904. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4949-4967.	4.4	15
17	The XPM catalogue as a realization of the ICRS in optical and near-infrared ranges of wavelengths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 665-672.	4.4	14
18	Extinction law at a distance up to 25 kpc toward the Galactic poles. <i>Astronomy Letters</i> , 2016, 42, 445-459.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Candidate subdwarfs and white dwarfs from the 2MASS, Tycho-2, XPM and UCAC3 catalogues. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1581-1599.	4.4	12
20	Some properties of dust outside the galactic disk. Astronomy Letters, 2013, 39, 550-560.	1.0	12
21	Systematic error of the Gaia DR1 TGAS parallaxes from data for the red giant clump. Astronomy Letters, 2017, 43, 545-558.	1.0	12
22	The red giant branch in the Tycho-2 catalogue. Astronomy Letters, 2011, 37, 707-717.	1.0	11
23	<i>Gaia</i> DR2 giants in the Galactic dust â€“ I. Reddening across the whole dust layer and some properties of the giant clump. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2590-2606.	4.4	11
24	Investigation of the Galactic bar based on photometry and stellar proper motions. Astronomy Letters, 2014, 40, 86-94.	1.0	10
25	Kinematics of Tycho-2 red giant clump stars. Astronomy Letters, 2009, 35, 836-849.	1.0	8
26	Spatial variations of the extinction law in the galactic disk from infrared observations. Astronomy Letters, 2013, 39, 83-94.	1.0	8
27	Isochrone fitting of Galactic globular clusters â€“ II. NGCâ€™6205 (M13). Monthly Notices of the Royal Astronomical Society, 2020, 497, 3674-3693.	4.4	8
28	Fractal dimension of optical cirrus in Stripe82. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5825-5841.	4.4	6
29	OB stars in the Tycho-2 and 2MASS catalogues. Astronomy Letters, 2008, 34, 7-16.	1.0	5
30	<i>Gaia</i> DR2 giants in the Galactic dust â€“ II. Application of the reddening maps and models. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2607-2619.	4.4	5
31	Isochrone fitting of Galactic globular clusters â€“ III. NGCâ€™288, NGCâ€™362, and NGCâ€™6218 (M12). Monthly Notices of the Royal Astronomical Society, 2021, 508, 2688-2705.	4.4	5
32	Comparison of the Pulkovo compilation of radial velocities with the RAVE DR1 catalogue. Astronomy Letters, 2007, 33, 390-395.	1.0	2
33	Galactic orbits of Hipparcos stars: Classification of stars. Astronomy Letters, 2013, 39, 689-702.	1.0	2
34	Astrometry by small ground-based telescopes. Proceedings of the International Astronomical Union, 2007, 3, 286-287.	0.0	0
35	Kinematics of B-F Stars as a Function of Their Dereddened Color from <i>Gaia</i> and PCRV Data. Astronomy Letters, 2018, 44, 248-264.	1.0	0
36	10.1007/s11443-008-1002-0. , 2010, 34, 7.		0