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	Fractal dimension of optical cirrus in Stripe82. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5825-5841.	4.4	6
2	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
3	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
4	Gaia 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
5	Gaia 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
6	Interstellar polarization and extinction in the Local Bubble and the Gould Belt. Monthly Notices of the Royal Astronomical Society, 2019, 483, 299-314.	4.4	20
7	Isochrone fitting of Galactic globular clusters â€“ I. NGCâ€‰5904. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4949-4967.	4.4	15
8	Verifying reddening and extinction for Gaia DR1 TGAS giants. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1121-1130.	4.4	20
9	Kinematics of B-F Stars as a Function of Their Dereddened Color from Gaia and PCRV Data. Astronomy Letters, 2018, 44, 248-264.	1.0	0
10	3D stellar reddening map from 2MASS photometry: An improved version. Astronomy Letters, 2017, 43, 472-488.	1.0	34
11	Verifying reddening and extinction for Gaia DR1 TGAS main sequence stars. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3805-3820.	4.4	22
12	On the discrepancy between asteroseismic and Gaia DR1 TGAS parallaxes. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 470, L97-L101.	3.3	15
13	Systematic error of the Gaia DR1 TGAS parallaxes from data for the red giant clump. Astronomy Letters, 2017, 43, 545-558.	1.0	12
14	Interstellar Extinction. Astrophysics, 2016, 59, 548-579.	0.5	18
15	Extinction law at a distance up to 25 kpc toward the Galactic poles. Astronomy Letters, 2016, 42, 445-459.	1.0	13
16	Investigation of the Galactic bar based on photometry and stellar proper motions. Astronomy Letters, 2014, 40, 86-94.	1.0	10
17	Spatial variations of the extinction law in the galactic disk from infrared observations. Astronomy Letters, 2013, 39, 83-94.	1.0	8
18	Some properties of dust outside the galactic disk. Astronomy Letters, 2013, 39, 550-560.	1.0	12

#	Article	IF	Citations
19	Galactic orbits of Hipparcos stars: Classification of stars. Astronomy Letters, 2013, 39, 689-702.	1.0	2
20	Dependence of kinematics on the age of stars in the solar neighborhood. Astronomy Letters, 2012, 38, 771-782.	1.0	17
21	Spatial distribution and kinematics of OB stars. Astronomy Letters, 2012, 38, 694-706.	1.0	22
22	Variations of the interstellar extinction law within the nearest kiloparsec. Astronomy Letters, 2012, 38, 12-24.	1.0	29
23	3D interstellar extinction map within the nearest kiloparsec. Astronomy Letters, 2012, 38, 87-100.	1.0	30
24	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
25	The XPM catalogue as a realization of the ICRS in optical and near-infrared ranges of wavelengths. Monthly Notices of the Royal Astronomical Society, 2011, 415, 665-672.	4.4	14
26	The red giant branch in the Tycho-2 catalogue. Astronomy Letters, 2011, 37, 707-717.	1.0	11
27	Three-dimensional reddening map for stars from 2MASS photometry: The method and the first results. Astronomy Letters, 2010, 36, 584-595.	1.0	15
28	Photocentric orbits from a direct combination of ground-based astrometry with Hipparcos II. Preliminary orbits for six astrometric binaries. New Astronomy, 2010, 15, 324-331.	1.8	196
29	10.1007/s11443-008-1002-0. , 2010, 34, 7.		0
30	Influence of the gould belt on interstellar extinction. Astronomy Letters, 2009, 35, 780-790.	1.0	23
31	Kinematics of Tycho-2 red giant clump stars. Astronomy Letters, 2009, 35, 836-849.	1.0	8
32	OB stars in the Tycho-2 and 2MASS catalogues. Astronomy Letters, 2008, 34, 7-16.	1.0	5
33	Red giant clump in the Tycho-2 catalogue. Astronomy Letters, 2008, 34, 785-796.	1.0	22
34	Astrometry by small ground-based telescopes. Proceedings of the International Astronomical Union, 2007, 3, 286-287.	0.0	0
35	Comparison of the Pulkovo compilation of radial velocities with the RAVE DR1 catalogue. Astronomy Letters, 2007, 33, 390-395.	1.0	2
36	Pulkovo Compilation of Radial Velocities for 35 495 Hipparcos stars in a common system. Astronomy Letters, 2006, 32, 759-771.	1.0	297