

# Selcuk Bilir

## List of Publications by Year in descending order

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111  
papers

1,914  
citations

236925

25  
h-index

315739

38  
g-index

111  
all docs

111  
docs citations

111  
times ranked

1899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interrelated main-sequence mass–luminosity, mass–radius, and mass–effective temperature relations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5491-5511.	4.4	133
2	MAIN-SEQUENCE EFFECTIVE TEMPERATURES FROM A REVISED MASS–LUMINOSITY RELATION BASED ON ACCURATE PROPERTIES. Astronomical Journal, 2015, 149, 131.	4.7	106
3	A catalogue of chromospherically active binary stars (third edition). Monthly Notices of the Royal Astronomical Society, 2008, 389, 1722-1726.	4.4	88
4	Kinematics of W Ursae Majoris type binaries and evidence of the two types of formation. Monthly Notices of the Royal Astronomical Society, 2005, 357, 497-517.	4.4	79
5	Local stellar kinematics from RAVE data - I. Local standard of rest. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	79
6	Dynamical evolution of active detached binaries on the $\log f_{\text{J}}$ – $\log f_{\text{M}}$ diagram and contact binary formation. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1483-1494.	4.4	73
7	Transformations between 2MASS, SDSS and $\langle i \rangle$ $\langle b \rangle$ BVRI $\langle /b \rangle$ $\langle /i \rangle$ photometric systems: bridging the near-infrared and optical. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1178-1188.	4.4	67
8	The Catalogue of Stellar Parameters from the Detached Double-Lined Eclipsing Binaries in the Milky Way. Publications of the Astronomical Society of Australia, 2014, 31, .	3.4	54
9	New Colour Transformations for the Sloan Photometry, and Revised Metallicity Calibration and Equations for Photometric Parallax Estimation. Publications of the Astronomical Society of Australia, 2005, 22, 24-28.	3.4	50
10	Spatial distribution and galactic model parameters of cataclysmic variables. New Astronomy, 2008, 13, 133-143.	1.8	46
11	Empirical bolometric correction coefficients for nearby main-sequence stars in the $\langle i \rangle$ Gaia $\langle /i \rangle$ era. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3887-3905.	4.4	44
12	Transit timing analysis in the HAT-P-32 system. Monthly Notices of the Royal Astronomical Society, 2014, 441, 304-315.	4.4	42
13	A different approach for the estimation of Galactic model parameters. Monthly Notices of the Royal Astronomical Society, 2004, 355, 307-320.	4.4	41
14	Local stellar kinematics from RAVE data - II. Radial metallicity gradient. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2844-2854.	4.4	38
15	Estimation of Galactic Model Parameters in High Latitudes with $\langle i \rangle$ SDSS $\langle /i \rangle$ . Publications of the Astronomical Society of Australia, 2008, 25, 69-84.	3.4	37
16	Local stellar kinematics from RAVE data - III. Radial and vertical metallicity gradients based on red clump stars. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3362-3374.	4.4	37
17	Kinematics of chromospherically active binaries and evidence of an orbital period decrease in binary evolution. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1069-1092.	4.4	33
18	Galactic longitude dependent galactic model parameters. New Astronomy, 2006, 12, 234-245.	1.8	33

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19	Investigation of the ELAIS field by Vega photometry: absolute magnitude-dependent Galactic model parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 1295-1309.	4.4	32
20	Estimation of Galactic model parameters in high latitudes with 2MASS. <i>Astronomy and Astrophysics</i> , 2007, 464, 565-571.	5.1	31
21	A charge-coupled device study of high-latitude Galactic structure: testing the model parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 1013-1024.	4.4	29
22	New Metallicity Calibration Down to $[Fe/H] = \hat{\alpha} \sim 2.75$ dex. <i>Publications of the Astronomical Society of Australia</i> , 2003, 20, 165-172.	3.4	29
23	Mass loss and orbital period decrease in detached chromospherically active binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 366, 1511-1519.	4.4	29
24	An Improved Metallicity Calibration with UBV Photometry. <i>Publications of the Astronomical Society of Australia</i> , 2011, 28, 95-106.	3.4	29
25	Kinematics, ages and metallicities for F- and G-type stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 1345-1354.	4.4	27
26	Absolute magnitudes for late-type dwarf stars for Sloan photometry. <i>Astronomische Nachrichten</i> , 2005, 326, 321-331.	1.2	27
27	A new absolute magnitude calibration with 2MASS for cataclysmic variables. <i>New Astronomy</i> , 2007, 12, 446-453.	1.8	25
28	The metallicity distributions in high-latitudes with SDSS. <i>New Astronomy</i> , 2007, 12, 605-612.	1.8	21
29	A comprehensive study of the open cluster NGC 6866. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1095-1107.	4.4	20
30	Galactic model parameters for field giants separated from field dwarfs by their 2MASS and V apparent magnitudes. <i>Astronomische Nachrichten</i> , 2006, 327, 72-81.	1.2	19
31	First identification and absolute magnitudes of the red clump stars in the Solar neighbourhood for WISE. <i>New Astronomy</i> , 2013, 25, 19-26.	1.8	19
32	CCD UBVR photometry of NGC 6811. <i>Astrophysics and Space Science</i> , 2015, 355, 267-281.	1.4	19
33	Volume-Limited Dependent Galactic Model Parameters. <i>Publications of the Astronomical Society of Australia</i> , 2007, 24, 208-219.	3.4	16
34	CCD UBV $\mathit{UBV}$ photometry of the open cluster NGC 6819. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	15
35	Estimation of galactic model parameters with the Sloan Digital Sky Survey and the metallicity distribution in two fields in the anti-centre direction of the Galaxy. <i>Astronomische Nachrichten</i> , 2007, 328, 169-177.	1.2	14
36	Formation and evolution of W Ursa Majoris stars: fallacies and corrections. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1756-1758.	4.4	14

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37	SDSS absolute magnitudes for thin-disc stars based on trigonometric parallaxes. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1589-1595.	4.4	14
38	CCD UBV photometric and Gaia astrometric study of eight open clusters—ASCC 115, Collinder 421, NGC 6793, NGC 7031, NGC 7039, NGC 7086, Roslund 1 and Stock 21. Astrophysics and Space Science, 2019, 364, 1.	1.4	14
39	A Detailed Archival CHANDRA Study of the Young Core-collapse Supernova Remnant 1E 0102.2-7219 in the Small Magellanic Cloud. Astrophysical Journal, 2019, 873, 53.	4.5	14
40	A New Procedure for the Photometric Parallax Estimation. Publications of the Astronomical Society of Australia, 2003, 20, 270-278.	3.4	13
41	CCD BV and 2MASS photometric study of the open cluster NGC 1513. Astrophysics and Space Science, 2010, 326, 139-150.	1.4	13
42	Transformations between the WISE, 2MASS, SDSS and BVRI photometric systems - I. Transformation equations for dwarfs. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2230-2238.	4.4	13
43	Galactic model parameters of cataclysmic variables: Results from a new absolute magnitude calibration with 2MASS and WISE. New Astronomy, 2015, 34, 234-244.	1.8	12
44	Separation of dwarf and giant stars with ROTSE—III. Astronomische Nachrichten, 2006, 327, 693-697.	1.2	11
45	The age of cataclysmic variables: A kinematical study. New Astronomy, 2010, 15, 491-508.	1.8	11
46	A new absolute magnitude calibration for red clump stars. New Astronomy, 2013, 23-24, 88-97.	1.8	11
47	Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. II. Spectra of Ho ii and Ho iii. Astrophysical Journal, Supplement Series, 2017, 228, 17.	7.7	11
48	CCD UBV photometric study of five open clusters—Dolidze 36, NGC 6728, NGC 6800, NGC 7209, and Platais 1. Astrophysics and Space Science, 2018, 363, 1.	1.4	11
49	New absolute magnitude calibrations for WUrsa Majoris type binaries. Astronomische Nachrichten, 2009, 330, 68-76.	1.2	10
50	Local Stellar Kinematics from RAVE Data: IV. Solar Neighbourhood Age—Metallicity Relation. Publications of the Astronomical Society of Australia, 0, 30, .	3.4	10
51	Metallicity calibration and photometric parallax estimation: I. UBV photometry. Astrophysics and Space Science, 2016, 361, 1.	1.4	10
52	CCD UBV photometry and kinematics of the open cluster NGC 225. Advances in Space Research, 2016, 58, 1900-1914.	2.6	10
53	Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. II. Spectrum of Ho ii and Ho iii. Astrophysical Journal, Supplement Series, 2019, 240, 28.	7.7	10
54	Multiwavelength Absolute Magnitudes and Colors of Red Clump Stars in the Gaia Era. Astrophysical Journal, 2020, 893, 108.	4.5	10

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55	New absolute magnitude calibrations for detached binaries. <i>Astronomische Nachrichten</i> , 2008, 329, 835-844.	1.2	9
56	Luminosity–colour relations for red clump stars. <i>Astrophysics and Space Science</i> , 2013, 344, 417-427.	1.4	9
57	Local Stellar Kinematics from RAVE data—VII. Metallicity Gradients from Red Clump Stars. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	3.4	9
58	Absolute dimensions and apsidal motion of the eccentric binary V731 Cephei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 399-407.	4.4	8
59	Absolute parameters of the eclipsing binary V821 Cas from <i>UBVRI</i> light curves and radial velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1649-1656.	4.4	8
60	A study of the Czernik 2 and NGC 7654 open clusters using CCD UBVR photometric and Gaia EDR3 data. <i>Astrophysics and Space Science</i> , 2021, 366, 1.	1.4	8
61	The spectroscopic orbits of three double-lined eclipsing binaries: I. BG Ind, IM Mon, RS Sgr. <i>New Astronomy</i> , 2010, 15, 1-7.	1.8	7
62	The early-type near-contact binary system V337 Aql revisited. <i>New Astronomy</i> , 2014, 28, 44-48.	1.8	7
63	Vilnius photometry and Gaia astrometry of Melotte 105. <i>Journal of Astrophysics and Astronomy</i> , 2020, 41, 1.	1.0	7
64	Research performance of Turkish astronomers in the period of 1980–2010. <i>Scientometrics</i> , 2013, 97, 477-489.	3.0	6
65	Absolute magnitude calibration for red clump stars. <i>Astrophysics and Space Science</i> , 2013, 346, 89-104.	1.4	6
66	Population types of cataclysmic variables in the solar neighbourhood. <i>New Astronomy</i> , 2013, 22, 7-14.	1.8	6
67	Local Stellar Kinematics from RAVE Data – VI. Metallicity Gradients Based on the G Main-Sequence Stars. <i>Publications of the Astronomical Society of Australia</i> , 2015, 32, .	3.4	6
68	Metallicity calibration and photometric parallax estimation: II. SDSS photometry. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	6
69	Standard stellar luminosities: what are typical and limiting accuracies in the era after <i>Gaia</i> ?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3583-3592.	4.4	6
70	A Photometric and Astrometric Study of the Open Clusters NGC 1664 and NGC 6939. <i>Astronomical Journal</i> , 2022, 163, 191.	4.7	6
71	Comprehensive Analysis of RGU Photometry in the Direction to M5. <i>Publications of the Astronomical Society of Australia</i> , 2004, 21, 275-283.	3.4	5
72	Absolute Dimensions and Apsidal Motion of the Young Detached System LT Canis Majoris. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 1291-1299.	2.5	5

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73	Transformations from WISE to 2MASS, SDSS and BVI Photometric Systems: II. Transformation Equations for Red-Clump Stars. Publications of the Astronomical Society of Australia, 2012, 29, 121-131.	3.4	5
74	STUDY OF ECLIPSING BINARY AND MULTIPLE SYSTEMS IN OB ASSOCIATIONS. II. THE CYGNUS OB REGION: V443 Cyg, V456 Cyg, AND V2107 Cyg. Astronomical Journal, 2014, 147, 149.	4.7	5
75	Study of Eclipsing Binary and Multiple Systems in OB Associations IV: Cas OB6 Member DN Cas. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	5
76	Vertical and radial metallicity gradients in high latitude galactic fields with SDSS. Advances in Space Research, 2019, 63, 1360-1373.	2.6	5
77	A study of open clusters Frolov 1 and <sc>NGC</sc> 7510 using <sc>CCD UBV</sc> photometry and Gaia <sc>DR2</sc> astrometry. Astronomische Nachrichten, 2021, 342, 538-552.	1.2	5
78	Transformations between the 2MASS, SDSS, and <i>BVI</i> photometric systems for late- $\alpha$ type giants. Astronomische Nachrichten, 2010, 331, 807-816.	1.2	4
79	The Galactic kinematics of cataclysmic variables. Astrophysics and Space Science, 2015, 357, 1.	1.4	4
80	Local stellar kinematics from RAVE data- VIII. Effects of the Galactic disc perturbations on stellar orbits of red clump stars. Astrophysics and Space Science, 2018, 363, 1.	1.4	4
81	Spatially Resolved Chandra Spectroscopy of Supernova Remnant DEM L71 in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5018-5031.	4.4	4
82	Identification of field dwarfs and giants in the second Radial Velocity Experiment Data Release. Monthly Notices of the Royal Astronomical Society, 2011, 418, 444-455.	4.4	3
83	Study of Eclipsing Binary and Multiple Systems in OB Associations. I. Orion OB1a- IM Monocerotis. Publication of the Astronomical Society of Japan, 2011, 63, 1079-1091.	2.5	3
84	Absolute-Magnitude Calibration for Red Giants Based on Colour-Magnitude Diagrams of Galactic Clusters: I. Calibration in V and B-V. Publications of the Astronomical Society of Australia, 2012, 29, 509-522.	3.4	3
85	Absolute Magnitude Calibration for Red Giants Based on the Colour-Magnitude Diagrams of Galactic Clusters. III. Calibration with 2MASS. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	3
86	Local Stellar Kinematics from RAVE data - V. Kinematic Investigation of the Galaxy with Red Clump Stars. Publications of the Astronomical Society of Australia, 2014, 31, .	3.4	3
87	Solar Space Density of the Red Clump Stars and the Scale-Length of the Thin Disc. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	3
88	Photometric calibration of the $[ \pm /Fe \text{ $\alpha$ } ]$ element: I. Calibration with U B V \$UBV\$ photometry. Astrophysics and Space Science, 2016, 361, 1.	1.4	3
89	Analysis of the disc components of our galaxy via kinematic and spectroscopic procedures. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	3
90	On the zero point constant of the bolometric correction scale. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4231-4241.	4.4	3

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91	On the Origin of Metal-poor Stars in the Solar Neighborhood. <i>Astrophysical Journal</i> , 2020, 899, 41.	4.5	3
92	Colour Transformations between $\langle BVR \rangle_c$ and $\langle g \rangle_r$ Photometric Systems for Giant Stars. <i>Publications of the Astronomical Society of Australia</i> , 2014, 31, .	3.4	2
93	TOWARD UNDERSTANDING THE NATURE OF THE YOUNG DETACHED BINARY SYSTEM HD 350731. <i>Astronomical Journal</i> , 2015, 150, 55.	4.7	2
94	Metallicity and absolute magnitude calibrations for F-G type main-sequence stars in the Gaia era. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	2
95	A new ranking scheme for the institutional scientific performance. <i>Journal of Scientometric Research</i> , 2015, 4, 70.	0.6	2
96	Kepler Binary Stars in the NGC 6819 Open Cluster: KIC 5113146 and KIC 5111815. <i>Astronomical Journal</i> , 2020, 160, 245.	4.7	2
97	A universal vertical stellar density distribution law for the Galaxy. <i>Astrophysics and Space Science</i> , 2009, 324, 23-30.	1.4	1
98	Absolute Magnitude Calibration for Giants Based on the Colour-Magnitude Diagrams of Galactic Clusters. II. Calibration with SDSS. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	1
99	Photometric calibration of the $[\pm \alpha / Fe]$ element: II. Calibration with SDSS photometry. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	1
100	Study of eclipsing binary and multiple systems in OB associations V: MQ Cen in Crux OB1. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	1
101	Bridging the ultraviolet and optical regions: Transformation equations between GALEX and UBV photometric systems. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	1
102	Outputs and Effects of Astronomy and Astrophysics Research in Turkey - I: 2020 Publications. , 2022, 3, 1-7.		1
103	Analysis ofUBV photometry in selected area 133. <i>Astronomische Nachrichten</i> , 2004, 325, 726-732.	1.2	0
104	Luminosity-colour relations for thin-disc main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , .	4.4	0
105	Age Dependent Angular Momentum, Orbital Period and Total Mass of Detached Binaries. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 464-465.	0.0	0
106	Kinematic Properties of Chromospheric Active Binary Stars. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 458-459.	0.0	0
107	Absolute Magnitude Calibration for Dwarfs Based on the Colour-Magnitude Diagrams of Galactic Clusters. <i>Publications of the Astronomical Society of Australia</i> , 2014, 31, .	3.4	0
108	Investigation of the vertical metallicity gradients in the Milky Way. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0

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109	Updated MS luminosity-radius-temperature-mass relations for solar neighborhood galactic disk stars. AIP Conference Proceedings, 2018, , .	0.4	0
110	Age-metallicity relation in solar vicinity from RGB stars. AIP Conference Proceedings, 2019, , .	0.4	0
111	Transformation equations between GALEX and UBV photometric systems. AIP Conference Proceedings, 2019, , .	0.4	0