

Federica B Bianco

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,537

citations

27

h-index

59

g-index

69

ext. papers

4,374

ext. citations

7.6

avg, IF

4.55

L-index

#	Paper	IF	Citations
68	Optimizing Cadences with Realistic Light-curve Filtering for Serendipitous Kilonova Discovery with Vera Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 5	8	2
67	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 1	8	9
66	Preparing to Discover the Unknown with Rubin LSST: Time Domain. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 2	8	1
65	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 18	8	2
64	Hospital length of stay among COVID-19-positive patients. <i>Journal of Clinical and Translational Research</i> , 2021 , 7, 377-385	1.1	5
63	Detection and Removal of Periodic Noise in Kepler/K2 Photometry with Principal Component Analysis. <i>Research Notes of the AAS</i> , 2021 , 5, 175	0.8	
62	The Exotic Type Ic Broad-lined Supernova SN 2018gep: Blurring the Line between Supernovae and Fast Optical Transients. <i>Astrophysical Journal</i> , 2021 , 915, 121	4.7	3
61	The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 29	8	16
60	Host Galaxies of Type Ic and Broad-lined Type Ic Supernovae from the Palomar Transient Factory: Implications for Jet Production. <i>Astrophysical Journal</i> , 2020 , 892, 153	4.7	25
59	Impact of Rubin Observatory LSST Template Acquisition Strategies on Early Science from the Transients and Variable Stars Science Collaboration: Time-critical Science Cases. <i>Research Notes of the AAS</i> , 2020 , 4, 41	0.8	2
58	Characterization of material around the centaur (2060) Chiron from a visible and near-infrared stellar occultation in 2011. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 3643-3654	4.3	6
57	Enabling real-time multi-messenger astrophysics discoveries with deep learning. <i>Nature Reviews Physics</i> , 2019 , 1, 600-608	23.6	28
56	A Strategy for LSST to Unveil a Population of Kilonovae without Gravitational-wave Triggers. <i>Publications of the Astronomical Society of the Pacific</i> , 2019 , 131, 068004	5	12
55	Presto-Color: A Photometric Survey Cadence for Explosive Physics and Fast Transients. <i>Publications of the Astronomical Society of the Pacific</i> , 2019 , 131, 068002	5	9
54	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019 , 873, 111	4.7	814
53	The Trans-Neptunian Object (84922) 2003 VS2 through Stellar Occultations. <i>Astronomical Journal</i> , 2019 , 158, 159	4.9	4
52	Optimal Classification and Outlier Detection for Stripped-envelope Core-collapse Supernovae. <i>Astrophysical Journal Letters</i> , 2019 , 880, L22	7.9	19

51	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988-2016. <i>Astronomy and Astrophysics</i> , 2019 , 625, A42	5.1	19
50	Exceptionally fast ejecta seen in light echoes of Eta Carinae's Great Eruption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 1457-1465	4.3	12
49	A GRB and Broad-lined Type Ic Supernova from a Single Central Engine. <i>Astrophysical Journal</i> , 2018 , 860, 38	4.7	36
48	Light echoes from the plateau in Eta Carinae's Great Eruption reveal a two-stage shock-powered event. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 1466-1498	4.3	27
47	Extending Supernova Spectral Templates for Next-generation Space Telescope Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2018 , 130, 114504	5	13
46	LOSS Revisited. I. Unraveling Correlations between Supernova Rates and Galaxy Properties, as Measured in a Reanalysis of the Lick Observatory Supernova Search. <i>Astrophysical Journal</i> , 2017 , 837, 120	4.7	49
45	LOSS Revisited. II. The Relative Rates of Different Types of Supernovae Vary between Low- and High-mass Galaxies. <i>Astrophysical Journal</i> , 2017 , 837, 121	4.7	64
44	Analyzing the Largest Spectroscopic Data Set of Hydrogen-poor Super-luminous Supernovae. <i>Astrophysical Journal</i> , 2017 , 845, 85	4.7	54
43	ANALYZING THE LARGEST SPECTROSCOPIC DATA SET OF STRIPPED SUPERNOVAE TO IMPROVE THEIR IDENTIFICATIONS AND CONSTRAIN THEIR PROGENITORS. <i>Astrophysical Journal</i> , 2016 , 827, 90	4.7	71
42	Comparative analysis of SN 2012dn optical spectra: days -4 to +114. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 3702-3723	4.3	15
41	Repetitive patterns in rapid optical variations in the nearby black-hole binary V404 Cygni. <i>Nature</i> , 2016 , 529, 54-8	50.4	58
40	COMPARISON OF DIVERSITY OF TYPE IIB SUPERNOVAE WITH ASYMMETRY IN CASSIOPEIA A USING LIGHT ECHOES. <i>Astrophysical Journal</i> , 2016 , 830, 73	4.7	3
39	Hypertemporal Imaging of NYC Grid Dynamics 2016 ,		5
38	THE SPECTRAL SN-GRB CONNECTION: SYSTEMATIC SPECTRAL COMPARISONS BETWEEN TYPE Ic SUPERNOVAE AND BROAD-LINED TYPE Ic SUPERNOVAE WITH AND WITHOUT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2016 , 832, 108	4.7	104
37	Monte Carlo method for calculating oxygen abundances and their uncertainties from strong-line flux measurements. <i>Astronomy and Computing</i> , 2016 , 16, 54-66	2.4	29
36	29 November 2011 stellar occultation by 2060 Chiron: Symmetric jet-like features. <i>Icarus</i> , 2015 , 252, 271-276	3.8	40
35	Evidence that Pluto's atmosphere does not collapse from occultations including the 2013 May 04 event. <i>Icarus</i> , 2015 , 246, 220-225	3.8	45
34	A unified explanation for the supernova rate-galaxy mass dependence based on supernovae detected in Sloan galaxy spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 905-925	4.3	39

33	Stripped-envelope supernova rates and host-galaxy properties. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 257-258	0.1	
32	MULTI-COLOR OPTICAL AND NEAR-INFRARED LIGHT CURVES OF 64 STRIPPED-ENVELOPE CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 213, 19	8	104
31	CLUES TO THE NATURE OF SN 2009ip FROM PHOTOMETRIC AND SPECTROSCOPIC EVOLUTION TO LATE TIMES. <i>Astrophysical Journal</i> , 2014 , 787, 163	4.7	50
30	OPTICAL SPECTRA OF 73 STRIPPED-ENVELOPE CORE-COLLAPSE SUPERNOVAE. <i>Astronomical Journal</i> , 2014 , 147, 99	4.9	132
29	A PANCHROMATIC VIEW OF THE RESTLESS SN 2009ip REVEALS THE EXPLOSIVE EJECTION OF A MASSIVE STAR ENVELOPE. <i>Astrophysical Journal</i> , 2014 , 780, 21	4.7	136
28	LIGHT ECHOES FROM [CARINAE'S GREAT ERUPTION: SPECTROPHOTOMETRIC EVOLUTION AND THE RAPID FORMATION OF NITROGEN-RICH MOLECULES. <i>Astrophysical Journal Letters</i> , 2014 , 787, L8	7.9	24
27	THE TAIWANESE-AMERICAN OCCULTATION SURVEY PROJECT STELLAR VARIABILITY. III. DETECTION OF 58 NEW VARIABLE STARS. <i>Astronomical Journal</i> , 2014 , 147, 70	4.9	1
26	Kuiper Belt Occultation Predictions. <i>Publications of the Astronomical Society of the Pacific</i> , 2013 , 125, 1000-1014	5	5
25	Las Cumbres Observatory Global Telescope Network. <i>Publications of the Astronomical Society of the Pacific</i> , 2013 , 125, 1031-1055	5	524
24	THE TAOS PROJECT: RESULTS FROM SEVEN YEARS OF SURVEY DATA. <i>Astronomical Journal</i> , 2013 , 146, 14	4.9	33
23	GRB 071112C: A CASE STUDY OF DIFFERENT MECHANISMS IN X-RAY AND OPTICAL TEMPORAL EVOLUTION. <i>Astrophysical Journal</i> , 2012 , 748, 44	4.7	11
22	Hubble Space Telescope studies of low-redshift Type Ia supernovae: evolution with redshift and ultraviolet spectral trends. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 426, 2359-2379	4.3	87
21	Light echoes reveal an unexpectedly cool [Carinae during its nineteenth-century Great Eruption. <i>Nature</i> , 2012 , 482, 375-8	50.4	56
20	THE RISE TIME OF NORMAL AND SUBLUMINOUS TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2012 , 745, 44	4.7	25
19	ANALYSIS OF THE EARLY-TIME OPTICAL SPECTRA OF SN 2011fe IN M101. <i>Astrophysical Journal Letters</i> , 2012 , 752, L26	7.9	65
18	Rest et al. reply. <i>Nature</i> , 2012 , 486, E1-E2	50.4	1
17	A Global Robotic Telescope Network for Time-Domain Science. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 408-410	0.1	2
16	CONSTRAINING TYPE Ia SUPERNOVAE PROGENITORS FROM THREE YEARS OF SUPERNOVA LEGACY SURVEY DATA. <i>Astrophysical Journal</i> , 2011 , 741, 20	4.7	68

15	Supernova SN 2011fe from an exploding carbon-oxygen white dwarf star. <i>Nature</i> , 2011 , 480, 344-7	50.4	353
14	THE TAIWANESE-AMERICAN OCCULTATION SURVEY PROJECT STELLAR VARIABILITY. II. DETECTION OF 15 VARIABLE STARS. <i>Astronomical Journal</i> , 2010 , 139, 2026-2033	4.9	6
13	THE TAOS PROJECT: UPPER BOUNDS ON THE POPULATION OF SMALL KUIPER BELT OBJECTS AND TESTS OF MODELS OF FORMATION AND EVOLUTION OF THE OUTER SOLAR SYSTEM. <i>Astronomical Journal</i> , 2010 , 139, 1499-1514	4.9	30
12	THE TAIWAN-AMERICAN OCCULTATION SURVEY PROJECT STELLAR VARIABILITY. I. DETECTION OF LOW-AMPLITUDE OSCILLATING STARS. <i>Astronomical Journal</i> , 2010 , 139, 757-764	4.9	6
11	The TAOS Project: Statistical Analysis of Multi-Telescope Time Series Data. <i>Publications of the Astronomical Society of the Pacific</i> , 2010 , 122, 959-975	5	7
10	UPPER LIMITS ON THE NUMBER OF SMALL BODIES IN SEDNA-LIKE ORBITS BY THE TAOS PROJECT. <i>Astronomical Journal</i> , 2009 , 138, 1893-1901	4.9	13
9	Detrending time series for astronomical variability surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 397, 558-568	4.3	25
8	A SEARCH FOR OCCULTATIONS OF BRIGHT STARS BY SMALL KUIPER BELT OBJECTS USING MEGACAM ON THE MMT. <i>Astronomical Journal</i> , 2009 , 138, 568-578	4.9	26
7	The Taiwanese-American Occultation Survey: The Multi-Telescope Robotic Observatory. <i>Publications of the Astronomical Society of the Pacific</i> , 2009 , 121, 138-152	5	23
6	The TAOS Project: High-Speed Crowded Field Aperture Photometry. <i>Publications of the Astronomical Society of the Pacific</i> , 2009 , 121, 1429-1439	5	6
5	First Results from the Taiwanese-American Occultation Survey (TAOS). <i>Astrophysical Journal</i> , 2008 , 685, L157-L160	4.7	21
4	Early Optical Brightening in GRB 071010B. <i>Astrophysical Journal</i> , 2008 , 679, L5-L8	4.7	11
3	Detectability of Occultations of Stars by Objects in the Kuiper Belt and Oort Cloud. <i>Astronomical Journal</i> , 2007 , 134, 1596-1612	4.9	41
2	STATUS OF THE TAOS PROJECT AND A SIMULATOR FOR TNO OCCULTATION 2006 , 345-358		1
1	A method for finding anomalous astronomical light curves and their analogues. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3