

John Barentine

List of Publications by Year in descending order

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73
papers

18,951
citations

66234

42
h-index

106150

65
g-index

75
all docs

75
docs citations

75
times ranked

9582
citing authors

#	ARTICLE	IF	CITATIONS
1	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	3.0	4,201
2	The 2.5 m Telescope of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2006, 131, 2332-2359.	1.9	1,828
3	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	3.0	1,202
4	The Milky Way Tomography with SDSS. I. Stellar Number Density Distribution. <i>Astrophysical Journal</i> , 2008, 673, 864-914.	1.6	1,020
5	The Fourth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2006, 162, 38-48.	3.0	948
6	The Sloan Digital Sky Survey Quasar Survey: Quasar Luminosity Function from Data Release 3. <i>Astronomical Journal</i> , 2006, 131, 2766-2787.	1.9	701
7	Cats and Dogs, Hair and a Hero: A Quintet of New Milky Way Companions. <i>Astrophysical Journal</i> , 2007, 654, 897-906.	1.6	646
8	The Fifth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2007, 172, 634-644.	3.0	615
9	An Improved Photometric Calibration of the Sloan Digital Sky Survey Imaging Data. <i>Astrophysical Journal</i> , 2008, 674, 1217-1233.	1.6	496
10	A MaxBCG Catalog of 13,823 Galaxy Clusters from the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2007, 660, 239-255.	1.6	479
11	The Milky Way Tomography with SDSS. II. Stellar Metallicity. <i>Astrophysical Journal</i> , 2008, 684, 287-325.	1.6	456
12	An extremely luminous X-ray outburst at the birth of a supernova. <i>Nature</i> , 2008, 453, 469-474.	13.7	407
13	The Sloan Digital Sky Survey Quasar Catalog. IV. Fifth Data Release. <i>Astronomical Journal</i> , 2007, 134, 102-117.	1.9	394
14	A New Milky Way Dwarf Galaxy in Ursa Major. <i>Astrophysical Journal</i> , 2005, 626, L85-L88.	1.6	389
15	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: TECHNICAL SUMMARY. <i>Astronomical Journal</i> , 2008, 135, 338-347.	1.9	377
16	A Faint New Milky Way Satellite in Bootes. <i>Astrophysical Journal</i> , 2006, 647, L111-L114.	1.6	359
17	A Survey of $z \approx 5.7$ Quasars in the Sloan Digital Sky Survey. IV. Discovery of Seven Additional Quasars. <i>Astronomical Journal</i> , 2006, 131, 1203-1209.	1.9	350
18	A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. <i>Astrophysical Journal, Supplement Series</i> , 2006, 167, 40-58.	3.0	331

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19	A New Milky Way Dwarf Satellite in Canes Venatici. <i>Astrophysical Journal</i> , 2006, 643, L103-L106.	1.6	319
20	A Curious Milky Way Satellite in Ursa Major. <i>Astrophysical Journal</i> , 2006, 650, L41-L44.	1.6	283
21	Discovery of an Unusual Dwarf Galaxy in the Outskirts of the Milky Way. <i>Astrophysical Journal</i> , 2007, 656, L13-L16.	1.6	253
22	The Sloan Digital Sky Survey Quasar Catalog. III. Third Data Release. <i>Astronomical Journal</i> , 2005, 130, 367-380.	1.9	245
23	An Orphan in the "Field of Streams" <i>Astrophysical Journal</i> , 2007, 658, 337-344.	1.6	236
24	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: SEARCH ALGORITHM AND FOLLOW-UP OBSERVATIONS. <i>Astronomical Journal</i> , 2008, 135, 348-373.	1.9	191
25	THE MILKY WAY TOMOGRAPHY WITH SDSS. III. STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2010, 716, 1-29.	1.6	185
26	Distances to Galactic High-Velocity Clouds. I. Cohen Stream, Complex GCP, Cloud g1. <i>Astrophysical Journal</i> , 2008, 672, 298-319.	1.6	156
27	The Hercules-Aquila Cloud. <i>Astrophysical Journal</i> , 2007, 657, L89-L92.	1.6	138
28	Distances to Galactic High-Velocity Clouds: Complex C. <i>Astrophysical Journal</i> , 2007, 670, L113-L116.	1.6	128
29	A Catalog of Morphologically Classified Galaxies from the Sloan Digital Sky Survey: North Equatorial Region. <i>Astronomical Journal</i> , 2007, 134, 579-593.	1.9	121
30	DWARF GALAXY DARK MATTER DENSITY PROFILES INFERRED FROM STELLAR AND GAS KINEMATICS. <i>Astrophysical Journal</i> , 2014, 789, 63.	1.6	108
31	A Catalog of Spectroscopically Selected Close Binary Systems from the Sloan Digital Sky Survey Data Release Four. <i>Astronomical Journal</i> , 2006, 131, 1674-1686.	1.9	107
32	Cataclysmic Variables from Sloan Digital Sky Survey. V. The Fifth Year (2004). <i>Astronomical Journal</i> , 2006, 131, 973-983.	1.9	104
33	Andromeda X, a New Dwarf Spheroidal Satellite of M31: Photometry. <i>Astrophysical Journal</i> , 2007, 659, L21-L24.	1.6	94
34	A Measurement of the Rate of Type Ia Supernovae at Redshift $z < 0.1$ from the First Season of the SDSS Supernova Survey. <i>Astrophysical Journal</i> , 2008, 682, 262-282.	1.6	94
35	Vortex Configurations, Matching, and Domain Structure in Large Arrays of Artificial Pinning Centers. <i>Physical Review Letters</i> , 2002, 88, 067003.	2.9	87
36	New Low Accretion Rate Magnetic Binary Systems and their Significance for the Evolution of Cataclysmic Variables. <i>Astrophysical Journal</i> , 2005, 630, 1037-1053.	1.6	80

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37	Hot DB White Dwarfs from the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2006, 132, 676-691.	1.9	75
38	Ultracompact AM Canum Venaticorum Binaries from the Sloan Digital Sky Survey: Three Candidates Plus the First Confirmed Eclipsing System. <i>Astronomical Journal</i> , 2005, 130, 2230-2236.	1.9	67
39	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	1.6	60
40	A Time Delay for the Cluster- ϵ -lensed Quasar SDSS J1004+4112. <i>Astrophysical Journal</i> , 2007, 662, 62-71.	1.6	58
41	New Close Binary Systems from the SDSS-I (Data Release Five) and the Search for Magnetic White Dwarfs in Cataclysmic Variable Progenitor Systems. <i>Astronomical Journal</i> , 2007, 134, 741-748.	1.9	53
42	FIRST-YEAR SPECTROSCOPY FOR THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY. <i>Astronomical Journal</i> , 2008, 135, 1766-1784.	1.9	52
43	DETECTION OF A PSEUDOBULGE HIDDEN INSIDE THE ϵ -BOX-SHAPED BULGE-OF NGC 4565. <i>Astrophysical Journal Letters</i> , 2010, 715, L176-L179.	3.0	43
44	Atomic and Molecular Emission Lines from the Red Rectangle. <i>Astrophysical Journal</i> , 2004, 615, 947-957.	1.6	38
45	SDSS J0806+2006 and SDSS J1353+1138: Two New Gravitationally Lensed Quasars from the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2006, 131, 1934-1941.	1.9	33
46	Skyglow changes over Tucson, Arizona, resulting from a municipal LED street lighting conversion. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 212, 10-23.	1.1	31
47	Direct measurement of the contribution of street lighting to satellite observations of nighttime light emissions from urban areas. <i>Lighting Research and Technology</i> , 2021, 53, 189-211.	1.2	31
48	SDSS J102111.02+491330.4: A Newly Discovered Gravitationally Lensed Quasar. <i>Astronomical Journal</i> , 2006, 131, 41-48.	1.9	28
49	Night Matters-Why the Interdisciplinary Field of ϵ -Night Studies-Is Needed. <i>J</i> , 2020, 3, 1-6.	0.6	26
50	Methods for Assessment and Monitoring of Light Pollution around Ecologically Sensitive Sites. <i>Journal of Imaging</i> , 2019, 5, 54.	1.7	22
51	A Case for a New Satellite Mission for Remote Sensing of Night Lights. <i>Remote Sensing</i> , 2021, 13, 2294.	1.8	21
52	Air pollution mitigation can reduce the brightness of the night sky in and near cities. <i>Scientific Reports</i> , 2021, 11, 14622.	1.6	21
53	Candidate spectroscopic binaries in the Sloan Digital Sky Survey. <i>Astronomy and Astrophysics</i> , 2005, 444, 643-649.	2.1	19
54	Magnitude to luminance conversions and visual brightness of the night sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2429-2437.	1.6	18

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55	TWO PSEUDOBULGES IN THE "BOXY BULGE" GALAXY NGC 5746. <i>Astrophysical Journal</i> , 2012, 754, 140.	1.6	17
56	Recovering the city street lighting fraction from skyglow measurements in a large-scale municipal dimming experiment. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107120.	1.1	16
57	Capacitive position sensor with simultaneous, linear X-Y readout. <i>Review of Scientific Instruments</i> , 2000, 71, 2603-2607.	0.6	13
58	A COMPARATIVE ASTROCHEMICAL STUDY OF THE HIGH-MASS PROTOSTELLAR OBJECTS NGC 7538 IRS 9 AND IRS 1. <i>Astrophysical Journal</i> , 2012, 757, 111.	1.6	13
59	Near-infrared camera and Fabry-Perot spectrometer - NIC-FPS. , 2003, 4841, 367.		9
60	Testing for changes in light emissions from certified International Dark Sky Places. <i>International Journal of Sustainable Lighting</i> , 2019, 21, 11-19.	1.2	9
61	The VIIRS Day/Night Band: A Flicker Meter in Space?. <i>Remote Sensing</i> , 2022, 14, 1316.	1.8	9
62	Going for the Gold : Quantifying and Ranking Visual Night Sky Quality in International Dark Sky Places. <i>International Journal of Sustainable Lighting</i> , 0, 18, 9-15.	1.2	8
63	Mass-producing spectra: the SDSS spectrographic system. , 2004, , .		7
64	Near-infrared camera and Fabry-Perot spectrometer (NIC-FPS). , 2004, , .		7
65	Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. <i>Astrophysical Journal</i> , 2006, 651, 994-1004.	1.6	5
66	SDSS J103913.70+533029.7: A Super Star Cluster in the Outskirts of a Galaxy Merger. <i>Astronomical Journal</i> , 2006, 131, 859-865.	1.9	4
67	On the Relation between the Astronomical and Visual Photometric Systems in Specifying the Brightness of the Night Sky for Mesopically Adapted Observers. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 0, , 1-12.	1.5	4
68	Barnard's Meropæ Nebula (IC 349): An Interstellar Interloper. <i>Astronomical Journal</i> , 1999, 117, 1402-1407.	1.9	2
69	Nighttime Atmospheric Scattering Phase Function Derived From the Scattered Light of a Laser Beam. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
70	Colorado's near-infrared camera (a.k.a. NIC-FPS) commissioning on the ARC 3.5M telescope. , 2005, , .		1
71	Structure in the disc of epsilon Aurigæ - analysis of ARCES and TripleSpec spectra from the 2010 eclipse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2161-2182.	1.6	1
72	Lessons learned from Sloan Digital Sky Survey operations. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
73	Small Telescopes, Big Results. Science, 2000, 289, 725-725.	6.0	0