

Richard J Patterson

List of Publications by Year in descending order

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papers

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citations

71061

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2753
citing authors

#	ARTICLE	IF	CITATIONS
1	Hubble Space Telescope Fine Guidance Sensor Parallaxes of Galactic Cepheid Variable Stars: Period-Luminosity Relations. <i>Astronomical Journal</i> , 2007, 133, 1810-1827.	1.9	295
2	Astrometry with the [ITAL]Hubble Space Telescope[/ITAL]: A Parallax of the Fundamental Distance Calibrator ϵ Cephei. <i>Astronomical Journal</i> , 2002, 124, 1695-1705.	1.9	290
3	Exploring Halo Substructure with Giant Stars: A Diffuse Star Cloud or Tidal Debris around the Milky Way in TriangulumÁAndromeda. <i>Astrophysical Journal</i> , 2004, 615, 732-737.	1.6	163
4	Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. <i>Astrophysical Journal</i> , 2006, 649, 201-223.	1.6	157
5	The MetalÁpoor Halo of the Andromeda Spiral Galaxy (M31). <i>Astrophysical Journal</i> , 2006, 648, 389-404.	1.6	154
6	THE SPLASH SURVEY: SPECTROSCOPY OF 15 M31 DWARF SPHEROIDAL SATELLITE GALAXIES. <i>Astrophysical Journal</i> , 2012, 752, 45.	1.6	151
7	Taking the Measure of the Universe: Precision Astrometry with <i>SIM PlanetQuest</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 38-88.	1.0	142
8	A Two Micron All Sky Survey View of the Sagittarius Dwarf Galaxy. II. Swope Telescope Spectroscopy of M Giant Stars in the Dynamically Cold Sagittarius Tidal Stream. <i>Astronomical Journal</i> , 2004, 128, 245-259.	1.9	136
9	Astrometry with the [ITAL]Hubble Space Telescope[/ITAL]: A Parallax of the Fundamental Distance Calibrator RR Lyrae. <i>Astronomical Journal</i> , 2002, 123, 473-484.	1.9	127
10	A 2MASS AllÁsky View of the Sagittarius Dwarf Galaxy. V. Variation of the Metallicity Distribution Function along the Sagittarius Stream. <i>Astrophysical Journal</i> , 2007, 670, 346-362.	1.6	126
11	Exploring Halo Substructure with Giant Stars. X. Extended Dark Matter or Tidal Disruption?: The Case for the Leo I Dwarf Spheroidal Galaxy. <i>Astrophysical Journal</i> , 2007, 663, 960-989.	1.6	117
12	Exploring Halo Substructure with Giant Stars. I. Survey Description and Calibration of the Photometric Search Technique. <i>Astronomical Journal</i> , 2000, 120, 2550-2568.	1.9	113
13	Exploring Halo Substructure with Giant Stars: The Velocity Dispersion Profiles of the Ursa Minor and Draco Dwarf Spheroidal Galaxies at Large Angular Separations. <i>Astrophysical Journal</i> , 2005, 631, L137-L141.	1.6	113
14	Exploring Halo Substructure with Giant Stars: The Dynamics and Metallicity of the Dwarf Spheroidal in BoÁtes. <i>Astrophysical Journal</i> , 2006, 650, L51-L54.	1.6	112
15	Exploring Halo Substructure with Giant Stars. IV. The Extended Structure of the Ursa Minor Dwarf Spheroidal Galaxy. <i>Astronomical Journal</i> , 2003, 125, 1352-1372.	1.9	108
16	Dynamics and Stellar Content of the Giant Southern Stream in M31. I. Keck Spectroscopy of Red Giant Stars. <i>Astronomical Journal</i> , 2006, 131, 2497-2513.	1.9	104
17	THE SPLASH SURVEY: INTERNAL KINEMATICS, CHEMICAL ABUNDANCES, AND MASSES OF THE ANDROMEDA I, II, III, VII, X, AND XIV DWARF SPHEROIDAL GALAXIES. <i>Astrophysical Journal</i> , 2010, 711, 671-692.	1.6	102
18	GLOBAL PROPERTIES OF M31'S STELLAR HALO FROM THE SPLASH SURVEY. I. SURFACE BRIGHTNESS PROFILE. <i>Astrophysical Journal</i> , 2012, 760, 76.	1.6	91

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19	Exploring Halo Substructure with Giant Stars. II. Mapping the Extended Structure of the Carina Dwarf Spheroidal Galaxy. <i>Astronomical Journal</i> , 2000, 119, 760-776.	1.9	89
20	A New Method for Isolating M31 Red Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. <i>Astrophysical Journal</i> , 2006, 652, 1188-1212.	1.6	89
21	LIFTING THE DUSTY VEIL WITH NEAR- AND MID-INFRARED PHOTOMETRY. II. A LARGE-SCALE STUDY OF THE GALACTIC INFRARED EXTINCTION LAW. <i>Astrophysical Journal</i> , 2009, 707, 510-523.	1.6	89
22	Detection of the Main Sequence Turnoff of a Newly Discovered Milky Way Halo Structure in the Triangulum-Andromeda Region. <i>Astrophysical Journal</i> , 2004, 615, 738-743.	1.6	88
23	Discovery of Andromeda XIV: A Dwarf Spheroidal Dynamical Rogue in the Local Group?. <i>Astrophysical Journal</i> , 2007, 670, L9-L12.	1.6	83
24	Star Clusters in the Galactic Anticenter Stellar Structure and the Origin of Outer Old Open Clusters. <i>Astrophysical Journal</i> , 2004, 602, L21-L24.	1.6	80
25	Surface Photometry of Low Surface Brightness Dwarf Irregular Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1996, 107, 103.	3.0	75
26	THE SPLASH SURVEY: A SPECTROSCOPIC PORTRAIT OF ANDROMEDA'S GIANT SOUTHERN STREAM. <i>Astrophysical Journal</i> , 2009, 705, 1275-1297.	1.6	73
27	EXPLORING HALO SUBSTRUCTURE WITH GIANT STARS: SUBSTRUCTURE IN THE LOCAL HALO AS SEEN IN THE GRID GIANT STAR SURVEY INCLUDING EXTENDED TIDAL DEBRIS FROM ICENTAURI. <i>Astrophysical Journal Letters</i> , 2012, 747, L37.	3.0	72
28	GLOBAL PROPERTIES OF M31'S STELLAR HALO FROM THE SPLASH SURVEY. II. METALLICITY PROFILE. <i>Astrophysical Journal</i> , 2014, 796, 76.	1.6	70
29	Unveiling the Boxy Bulge and Bar of the Andromeda Spiral Galaxy. <i>Astrophysical Journal</i> , 2007, 658, L91-L94.	1.6	69
30	Exploring Halo Substructure with Giant Stars. VIII. The Extended Structure of the Sculptor Dwarf Spheroidal Galaxy. <i>Astronomical Journal</i> , 2006, 131, 375-406.	1.9	65
31	Stellar Kinematics in the Complicated Inner Spheroid of M31: Discovery of Substructure along the Southeastern Minor Axis and Its Relationship to the Giant Southern Stream. <i>Astrophysical Journal</i> , 2007, 668, 245-267.	1.6	65
32	An Internal Second-Parameter Problem in the Sculptor Dwarf Spheroidal Galaxy. <i>Astrophysical Journal</i> , 1999, 520, L33-L36.	1.6	61
33	The Carnegie Astrometric Planet Search Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 1218-1231.	1.0	60
34	A TWO MICRON ALL SKY SURVEY VIEW OF THE SAGITTARIUS DWARF GALAXY. VI. TITANIUM ABUNDANCE VARIATIONS ALONG THE SAGITTARIUS STREAM. <i>Astrophysical Journal</i> , 2010, 708, 1290-1309.	1.6	59
35	KINEMATICS AND CHEMISTRY OF STARS ALONG THE SAGITTARIUS TRAILING TIDAL TAIL AND CONSTRAINTS ON THE MILKY WAY MASS DISTRIBUTION. <i>Astrophysical Journal</i> , 2012, 744, 25.	1.6	53
36	Exploring Halo Substructure with Giant Stars. VI. Extended Distributions of Giant Stars around the Carina Dwarf Spheroidal Galaxy: How Reliable Are They?. <i>Astronomical Journal</i> , 2005, 130, 2677-2700.	1.9	52

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37	THE FREQUENCY OF RAPID ROTATION AMONG K GIANT STARS. <i>Astrophysical Journal</i> , 2011, 732, 39.	1.6	50
38	DISCOVERY OF A LARGE STELLAR PERIPHERY AROUND THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal Letters</i> , 2011, 733, L10.	3.0	47
39	Interferometric Astrometry with Hubble Space Telescope Fine Guidance Sensor 3: The Parallax of the Cataclysmic Variable TV Columbae. <i>Astrophysical Journal</i> , 2001, 560, 907-911.	1.6	45
40	ASTROMETRY WITH THE HUBBLE SPACE TELESCOPE: TRIGONOMETRIC PARALLAXES OF PLANETARY NEBULA NUCLEI NGC 6853, NGC 7293, ABELL 31, AND DeHt 5. <i>Astronomical Journal</i> , 2009, 138, 1969-1984.	1.9	45
41	The Intrinsic Shapes of Low Surface Brightness Dwarf Irregular Galaxies and Comparison to Other Types of Dwarf Galaxies. <i>Astrophysical Journal</i> , 1998, 505, 199-206.	1.6	45
42	IDENTIFYING CONTRIBUTIONS TO THE STELLAR HALO FROM ACCRETED, KICKED-OUT, AND IN SITU POPULATIONS. <i>Astrophysical Journal</i> , 2012, 761, 161.	1.6	43
43	A 2MASS ALL-SKY VIEW OF THE SAGITTARIUS DWARF GALAXY. VII. KINEMATICS OF THE MAIN BODY OF THE SAGITTARIUS dSph. <i>Astrophysical Journal</i> , 2012, 756, 74.	1.6	37
44	THE CHEMICAL EVOLUTION OF THE MONOCEROS RING/GALACTIC ANTICENTER STELLAR STRUCTURE. <i>Astrophysical Journal Letters</i> , 2010, 720, L5-L10.	3.0	31
45	The Dog on the Ship: The Canis Major Dwarf Galaxy as an Outlying Part of the Argo Star System. <i>Astrophysical Journal</i> , 2006, 640, L147-L150.	1.6	28
46	Exploring Halo Substructure with Giant Stars. III. First Results from the Grid Giant Star Survey and Discovery of a Possible Nearby Sagittarius Tidal Structure in Virgo. <i>Astrophysical Journal</i> , 2002, 576, L125-L129.	1.6	22
47	FIRST CHEMICAL ANALYSIS OF STARS IN THE TRIANGULUM-ANDROMEDA STAR CLOUD. <i>Astrophysical Journal Letters</i> , 2011, 731, L30.	3.0	21
48	Testing Metal-poor Stellar Models and Isochrones with HST Parallaxes of Metal-poor Stars. <i>Astrophysical Journal</i> , 2017, 835, 152.	1.6	21
49	Measuring Fundamental Galactic Parameters with Stellar Tidal Streams and the Plane Quest. <i>Astrophysical Journal</i> , 2006, 637, L25-L28.	1.6	20
50	Astrometry with The Hubble Space Telescope: A Parallax of the Central Star of the Planetary Nebula NGC 6853. <i>Astronomical Journal</i> , 2003, 126, 2549-2556.	1.9	19
51	A Deep Proper-Motion Survey in Kapteyn Selected Areas. I. Survey Description and First Results for Stars in the Tidal Tail of Sagittarius and in the Monoceros Ring. <i>Astronomical Journal</i> , 2006, 132, 2082-2098.	1.9	19
52	The Solar Neighborhood. V. [ITAL]VRI[/ITAL] Photometry of Southern Nearby Star Candidates. <i>Astronomical Journal</i> , 1998, 115, 1648-1652.	1.9	16
53	UGC 7636 and NGC 4472 - Tidal interaction between a stripped dwarf irregular and a giant elliptical galaxy. <i>Astrophysical Journal</i> , 1992, 400, L55.	1.6	15
54	The Space Interferometry Mission Astrometric Grid Giant Star Survey. I. Stellar Parameters and Radial Velocity Variability. <i>Astronomical Journal</i> , 2006, 131, 1784-1796.	1.9	14

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55	KINEMATICS OF STARS IN KAPTEYN SELECTED AREA 71: SAMPLING THE MONOCEROS AND SAGITTARIUS TIDAL STREAMS. <i>Astronomical Journal</i> , 2008, 135, 2013-2023.	1.9	13
56	Discovery of an extended, halo-like stellar population around the Large Magellanic Cloud. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 51-56.	0.0	10
57	OPEN CLUSTERS IN THE MILKY WAY OUTER DISK: NEWLY DISCOVERED AND UNSTUDIED CLUSTERS IN THE SPITZER GLIMPSE-360, CYG-X, AND SMOG SURVEYS. <i>Astronomical Journal</i> , 2013, 146, 64.	1.9	9
58	A Hyades distance modulus from trigonometric parallaxes from Northern and Southern Hemisphere observatories. <i>Astronomical Journal</i> , 1991, 102, 1091.	1.9	9
59	Parallaxes and Proper Motions From the McCormick Observatory: List 47. <i>Astronomical Journal</i> , 1996, 111, 492.	1.9	7
60	Blue galaxies identified with submillijansky radio sources in the 1300 + 3034 field. <i>Astronomical Journal</i> , 1992, 104, 1331.	1.9	3
61	The Fan Observatory Bench Optical Spectrograph (FOBOS). <i>Publications of the Astronomical Society of the Pacific</i> , 2005, 117, 526-535.	1.0	2
62	The Grid Giant Star Survey for the Space Interferometry Mission. <i>International Astronomical Union Colloquium</i> , 2001, 183, 65-74.	0.1	0
63	A spectroscopic survey of late-type giants in the Milky Way disk and local halo substructure. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 506-507.	0.0	0
64	Chemical Fingerprinting and Chemical Analysis of Galactic Halo Substructure. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 364-365.	0.0	0
65	A New Spin on Red Giant Rapid Rotators: Evidence for Chemical Exchange Between Planets and Evolved Stars. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 408-411.	0.0	0
66	The SPLASH Survey: Milky Way vs. M 31 dSphs. <i>EAS Publications Series</i> , 2011, 48, 329-335.	0.3	0