

Joseph W Richards

List of Publications by Year in descending order

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17
papers

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citations

687363

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1745
citing authors

#	ARTICLE	IF	CITATIONS
1	ON MACHINE-LEARNED CLASSIFICATION OF VARIABLE STARS WITH SPARSE AND NOISY TIME-SERIES DATA. <i>Astrophysical Journal</i> , 2011, 733, 10.	4.5	232
2	Results from the Supernova Photometric Classification Challenge. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1415-1431.	3.1	130
3	Using machine learning for discovery in synoptic survey imaging data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1047-1060.	4.4	93
4	CONSTRUCTION OF A CALIBRATED PROBABILISTIC CLASSIFICATION CATALOG: APPLICATION TO 50k VARIABLE SOURCES IN THE ALL-SKY AUTOMATED SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 32.	7.7	86
5	ACTIVE LEARNING TO OVERCOME SAMPLE SELECTION BIAS: APPLICATION TO PHOTOMETRIC VARIABLE STAR CLASSIFICATION. <i>Astrophysical Journal</i> , 2012, 744, 192.	4.5	56
6	THE XMM-CLUSTER SURVEY: THE STELLAR MASS ASSEMBLY OF FOSSIL GALAXIES. <i>Astrophysical Journal</i> , 2012, 752, 12.	4.5	47
7	Semi-supervised learning for photometric supernova classification... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1121-1135.	4.4	46
8	EXPLOITING LOW-DIMENSIONAL STRUCTURE IN ASTRONOMICAL SPECTRA. <i>Astrophysical Journal</i> , 2009, 691, 32-42.	4.5	37
9	Evidence for dust destruction from the early-time colour change of GRB 120119A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1810-1823.	4.4	32
10	Accurate parameter estimation for star formation history in galaxies using SDSS spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1044-1057.	4.4	24
11	A mid-infrared study of RR Lyrae stars with the Wide-field Infrared Survey Explorer all-sky data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 715-725.	4.4	23
12	MID-INFRARED PERIOD-LUMINOSITY RELATIONS OF RR LYRAE STARS DERIVED FROM THE WISE PRELIMINARY DATA RELEASE. <i>Astrophysical Journal</i> , 2011, 738, 185.	4.5	21
13	Optimizing Automated Classification of Variable Stars in New Synoptic Surveys. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 280-295.	3.1	15
14	RAPID, MACHINE-LEARNED RESOURCE ALLOCATION: APPLICATION TO HIGH-REDSHIFT GAMMA-RAY BURST FOLLOW-UP. <i>Astrophysical Journal</i> , 2012, 746, 170.	4.5	12
15	The highly eccentric detached eclipsing binaries in ACVS and MACC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 343-353.	4.4	7
16	Prototype selection for parameter estimation in complex models. <i>Annals of Applied Statistics</i> , 2012, 6, .	1.1	6
17	Overcoming Sample Selection Bias in Variable Star Classification. , 2012, , 213-221.		1