Mukremin Kilic

List of Publications by Year
in descending order

127 papers	5,057 citations	71102 41 h-index	110387 64 g-index
127 all docs	127 docs citations	127 times ranked	2835 citing authors

#	Article	IF	Citations
1	The Dust Cloud around the White Dwarf G29-38. Astrophysical Journal, 2005, 635, L161-L164.	4.5	172
2	The White Dwarf Luminosity Function from Sloan Digital Sky Survey Imaging Data. Astronomical Journal, 2006, 131, 571-581.	4.7	154
3	THE ELM SURVEY. I. A COMPLETE SAMPLE OF EXTREMELY LOW-MASS WHITE DWARFS. Astrophysical Journal, 2010, 723, 1072-1081.	4.5	151
4	Debris Disks around White Dwarfs: The DAZ Connection. Astrophysical Journal, 2006, 646, 474-479.	4.5	134
5	BLACK HOLE MASS ESTIMATES BASED ON C IV ARE CONSISTENT WITH THOSE BASED ON THE BALMER LINES. Astrophysical Journal, 2011, 742, 93.	4.5	132
6	The New Class of Dusty DAZ White Dwarfs. Astrophysical Journal, 2007, 662, 544-551.	4.5	129
7	A 12 MINUTE ORBITAL PERIOD DETACHED WHITE DWARF ECLIPSING BINARY. Astrophysical Journal Letters, 2011, 737, L23.	8.3	121
8	DETAILED COMPOSITIONAL ANALYSIS OF THE HEAVILY POLLUTED DBZ WHITE DWARF SDSS J073842.56+183509.06: A WINDOW ON PLANET FORMATION?. Astrophysical Journal, 2012, 749, 6.	4.5	119
9	THE ELM SURVEY. II. TWELVE BINARY WHITE DWARF MERGER SYSTEMS. Astrophysical Journal, 2011, 727, 3.	4.5	107
10	Excess Infrared Radiation from the Massive DAZ White Dwarf GD 362: A Debris Disk?. Astrophysical Journal, 2005, 632, L115-L118.	4.5	99
11	The Ages of the Thin Disk, Thick Disk, and the Halo from Nearby White Dwarfs. Astrophysical Journal, 2017, 837, 162.	4.5	99
12	THE ELM SURVEY. IV. 24 WHITE DWARF MERGER SYSTEMS. Astrophysical Journal, 2012, 751, 141.	4.5	97
13	THE ELM SURVEY. V. MERGING MASSIVE WHITE DWARF BINARIES. Astrophysical Journal, 2013, 769, 66.	4.5	92
14	THE DISCOVERY OF THE MOST METAL-RICH WHITE DWARF: COMPOSITION OF A TIDALLY DISRUPTED EXTRASOLAR DWARF PLANET. Astrophysical Journal, 2010, 719, 803-809.	4.5	90
15	THE ELM SURVEY. VII. ORBITAL PROPERTIES OF LOW-MASS WHITE DWARF BINARIES*. Astrophysical Journal, 2016, 818, 155.	4.5	88
16	RAPID ORBITAL DECAY IN THE 12.75-MINUTE BINARY WHITE DWARF J0651+2844. Astrophysical Journal Letters, 2012, 757, L21.	8.3	87
17	Cool White Dwarfs in the Sloan Digital Sky Survey. Astronomical Journal, 2006, 131, 582-599.	4.7	86
18	THE ELM SURVEY. III. A SUCCESSFUL TARGETED SURVEY FOR EXTREMELY LOW MASS WHITE DWARFS. Astrophysical Journal, 2012, 744, 142.	4.5	84

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19	THE FREQUENCY OF DEBRIS DISKS AT WHITE DWARFS. Astrophysical Journal, 2012, 760, 26.	4.5	82
20	The Future Is Now: The Formation of Single Lowâ€Mass White Dwarfs in the Solar Neighborhood. Astrophysical Journal, 2007, 671, 761-766.	4.5	78
21	The 100 pc White Dwarf Sample in the SDSS Footprint. Astrophysical Journal, 2020, 898, 84.	4.5	77
22	A Dusty Disk around WD 1150â˜'153: Explaining the Metals in White Dwarfs by Accretion from the Interstellar Medium versus Debris Disks. Astrophysical Journal, 2007, 660, 641-650.	4.5	73
23	Measuring the Evolution of the Most Stable Optical Clock G 117â€B15A. Astrophysical Journal, 2005, 634, 1311-1318.	4.5	72
24	A Spitzer White Dwarf Infrared Survey. Astrophysical Journal, Supplement Series, 2007, 171, 206-218.	7.7	72
25	The Lowest Mass White Dwarf. Astrophysical Journal, 2007, 660, 1451-1461.	4.5	71
26	A new class of pulsating white dwarf of extremely low mass: the fourth and fifth members. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3573-3580.	4.4	67
27	The ELM Survey. VIII. Ninety-eight Double White Dwarf Binaries. Astrophysical Journal, 2020, 889, 49.	4.5	66
28	SDSS J184037.78+642312.3: THE FIRST PULSATING EXTREMELY LOW MASS WHITE DWARF. Astrophysical Journal Letters, 2012, 750, L28.	8.3	66
29	DISCOVERY OF PULSATIONS, INCLUDING POSSIBLE PRESSURE MODES, IN TWO NEW EXTREMELY LOW MASS, He-CORE WHITE DWARFS. Astrophysical Journal, 2013, 765, 102.	4.5	65
30	THE ELM SURVEY. VI. ELEVEN NEW DOUBLE DEGENERATES. Astrophysical Journal, 2015, 812, 167.	4.5	64
31	PRECISE ATMOSPHERIC PARAMETERS FOR THE SHORTEST-PERIOD BINARY WHITE DWARFS: GRAVITATIONAL WAVES, METALS, AND PULSATIONS. Astrophysical Journal, 2014, 794, 35.	4.5	63
32	THE DISCOVERY OF BINARY WHITE DWARFS THAT WILL MERGE WITHIN 500 Myr. Astrophysical Journal, 2010, 716, 122-130.	4.5	62
33	3D MODEL ATMOSPHERES FOR EXTREMELY LOW-MASS WHITE DWARFS. Astrophysical Journal, 2015, 809, 148.	4.5	60
34	MOST DOUBLE DEGENERATE LOW-MASS WHITE DWARF BINARIES MERGE. Astrophysical Journal, 2016, 824, 46.	4.5	59
35	THE WIRED SURVEY. I. A BRIGHT IR EXCESS DUE TO DUST AROUND THE HEAVILY POLLUTED WHITE DWARF GALEX J193156.8+011745. Astrophysical Journal, 2011, 729, 4.	4.5	53
36	LIMB-DARKENING COEFFICIENTS FOR ECLIPSING WHITE DWARFS. Astrophysical Journal, 2013, 766, 3.	4.5	52

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37	A DETAILED MODEL ATMOSPHERE ANALYSIS OF COOL WHITE DWARFS IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2010, 190, 77-99.	7.7	48
38	THE BINARY FRACTION OF LOW-MASS WHITE DWARFS. Astrophysical Journal, 2011, 730, 67.	4.5	45
39	A refined search for pulsations in white dwarf companions to millisecond pulsarsâ˜…. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1267-1272.	4.4	43
40	THE ABSENCE OF EX-COMPANIONS IN TYPE Ia SUPERNOVA REMNANTS. Astrophysical Journal, 2012, 759, 56.	4.5	42
41	THE TRENDS HIGH-CONTRAST IMAGING SURVEY. III. A FAINT WHITE DWARF COMPANION ORBITING HD 114174. Astrophysical Journal, 2013, 774, 1.	4.5	42
42	Observations of the pulsating subdwarf B star Feige 48: Constraints on evolution and companions. Monthly Notices of the Royal Astronomical Society, 2004, 348, 1164-1174.	4.4	41
43	A new gravitational wave verification source. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 444, L1-L5.	3.3	41
44	CONSTRAINTS ON THE INITIAL-FINAL MASS RELATION FROM WIDE DOUBLE WHITE DWARFS. Astrophysical Journal, 2015, 815, 63.	4.5	41
45	PSR J1738+0333: the first millisecond pulsar + pulsating white dwarf binary. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 446, L26-L30.	3.3	40
46	The age of the Galactic stellar halo fromGaiawhite dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 482, 965-979.	4.4	39
47	DETECTION OF WEAK CIRCUMSTELLAR GAS AROUND THE DAZ WHITE DWARF WD 1124-293: EVIDENCE FOR THE ACCRETION OF MULTIPLE ASTEROIDS. Astrophysical Journal, 2012, 754, 59.	4.5	38
48	Constraining the Evolution of ZZ Ceti. Astrophysical Journal, 2003, 594, 961-970.	4.5	37
49	Remnant planetary systems around bright white dwarfs. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1415-1421.	4.4	36
50	Two white dwarfs in ultrashort binaries with detached, eclipsing, likely sub-stellar companions detected by K2. Monthly Notices of the Royal Astronomical Society, 2017, 471, 976-986.	4.4	35
51	The most massive white dwarfs in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5397-5408.	4.4	35
52	The Discovery of a Companion to the Lowest Mass White Dwarf. Astrophysical Journal, 2007, 664, 1088-1092.	4.5	33
53	RADIUS CONSTRAINTS FROM HIGH-SPEED PHOTOMETRY OF 20 LOW-MASS WHITE DWARF BINARIES. Astrophysical Journal, 2014, 792, 39.	4.5	33
54	SDSS J1152+0248: an eclipsing double white dwarf from theKeplerK2campaign. Monthly Notices of the Royal Astronomical Society, 2016, 458, 845-854.	4.4	31

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55	A DEEP PROPER MOTION CATALOG WITHIN THE SLOAN DIGITAL SKY SURVEY FOOTPRINT. II. THE WHITE DWARF LUMINOSITY FUNCTION. Astronomical Journal, 2017, 153, 10.	4.7	31
56	Pruning The ELM Survey: Characterizing Candidate Low-mass White Dwarfs through Photometric Variability. Astrophysical Journal, 2017, 835, 180.	4.5	31
57	DUSTY WDs IN THEWISEALL SKY SURVEY âˆ© SDSS. Astrophysical Journal, 2014, 786, 77.	4.5	30
58	Ultracool white dwarfs and the age of the Galactic discâ˜.... Monthly Notices of the Royal Astronomical Society, 2015, 449, 3966-3980.	4.4	30
59	NEAR-INFRARED CONSTRAINTS ON THE PRESENCE OF WARM DUST AT METAL-RICH, HELIUM ATMOSPHERE WHITE DWARFS. Astronomical Journal, 2008, 136, 111-117.	4.7	28
60	The Physical Nature of Subdwarf A Stars: White Dwarf Impostors. Astrophysical Journal, 2017, 839, 23.	4.5	28
61	Finding Planets around White Dwarf Remnants of Massive Stars. Astrophysical Journal, 2008, 673, L75-L78.	4.5	27
62	A New Generation of Cool White Dwarf Atmosphere Models. II. A DZ Star with Collision-induced Absorption. Astrophysical Journal, 2018, 867, 161.	4.5	27
63	SPITZEROBSERVATIONS OF THE OLDEST WHITE DWARFS IN THE SOLAR NEIGHBORHOOD. Astrophysical Journal, 2009, 696, 2094-2103.	4.5	26
64	The merger rate of extremely low mass white dwarf binaries: links to the formation of AM CVn stars and underluminous supernovae. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 411, L31-L35.	3.3	26
65	A NEARBY OLD HALO WHITE DWARF CANDIDATE FROM THE SLOAN DIGITAL SKY SURVEY. Astronomical Journal, 2008, 136, 76-82.	4.7	25
66	VISITORS FROM THE HALO: 11 Gyr OLD WHITE DWARFS IN THE SOLAR NEIGHBORHOOD. Astrophysical Journal Letters, 2010, 715, L21-L25.	8.3	25
67	SDSS J163030.58+423305.8: a 40-min orbital period detached white dwarf binary. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 418, L157-L161.	3.3	24
68	A DARK SPOT ON A MASSIVE WHITE DWARF. Astrophysical Journal Letters, 2015, 814, L31.	8.3	24
69	DISCOVERY OF THREE PULSATING, MIXED-ATMOSPHERE, EXTREMELY LOW-MASS WHITE DWARF PRECURSORS*. Astrophysical Journal Letters, 2016, 822, L27.	8.3	24
70	Four new massive pulsating white dwarfs including an ultramassive DAV. Monthly Notices of the Royal Astronomical Society, 2017, 468, 239-249.	4.4	24
71	The Mystery Deepens:SpitzerObservations of Cool White Dwarfs. Astrophysical Journal, 2006, 642, 1051-1056.	4.5	24
72	The discovery of a debris disc around the DAV white dwarf PG 1541+651. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 419, L59-L63.	3.3	23

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73	11-12 Gyr old white dwarfs 30 pc away. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L132-L136.	3.3	23
74	SDSS J074511.56+194926.5: DISCOVERY OF A METAL-RICH AND TIDALLY DISTORTED EXTREMELY LOW MASS WHITE DWARF. Astrophysical Journal, 2014, 781, 104.	4.5	23
75	The ELM Survey South. I. An Effective Search for Extremely Low Mass White Dwarfs. Astrophysical Journal, 2020, 894, 53.	4.5	23
76	A 1201 s Orbital Period Detached Binary: The First Double Helium Core White Dwarf LISA Verification Binary. Astrophysical Journal Letters, 2020, 892, L35.	8.3	23
77	THE RUNAWAY WHITE DWARF LP400â€“22 HAS A COMPANION. Astrophysical Journal, 2009, 695, L92-L96.	4.5	22
78	Discovery of a Detached, Eclipsing 40 Minute Period Double White Dwarf Binary and a Friend: Implications for He+CO White Dwarf Mergers[*]. Astrophysical Journal, 2017, 847, 10.	4.5	22
79	ACCURATE MASSES FOR THE PRIMARY AND SECONDARY IN THE ECLIPSING WHITE DWARF BINARY NLTT 11748. Astrophysical Journal Letters, 2010, 721, L158-L162.	8.3	21
80	A DEEP PROPER MOTION CATALOG WITHIN THE SLOAN DIGITAL SKY SURVEY FOOTPRINT. Astronomical Journal, 2014, 148, 132.	4.7	21
81	An Isolated White Dwarf with a 70 s Spin Period. Astrophysical Journal Letters, 2021, 923, L6.	8.3	21
82	The shortest period detached binary white dwarf system. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 413, L101-L105.	3.3	20
83	A double white dwarf with a paradoxical origin?. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3966-3974.	4.4	19
84	TWO NEW TIDALLY DISTORTED WHITE DWARFS. Astrophysical Journal, 2012, 749, 42.	4.5	18
85	Amplitude and frequency variability of the pulsating DB white dwarf stars KUV 05134+2605 and PG 1654+160 observed with the Whole Earth Telescope. Monthly Notices of the Royal Astronomical Society, 2003, 340, 1031-1038.	4.4	17
86	A NEW MERGING DOUBLE DEGENERATE BINARY IN THE SOLAR NEIGHBORHOOD. Astronomical Journal, 2015, 149, 176.	4.7	17
87	The ELM Survey. IX. A Complete Sample of Low-mass White Dwarf Binaries in the SDSS Footprint. Astrophysical Journal, 2022, 933, 94.	4.5	17
88	LIMITS ON UNRESOLVED PLANETARY COMPANIONS TO WHITE DWARF REMNANTS OF 14 INTERMEDIATE-MASS STARS. Astrophysical Journal, 2009, 705, 1219-1225.	4.5	16
89	Gaia reveals evidence for merged white dwarfs. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L113-L117.	3.3	16
90	Direct Distance Measurement to the Dusty White Dwarf GD 362. Astrophysical Journal, 2008, 689, L45-L47.	4.5	15

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91	MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B: AN APPARENT AGE DISCREPANCY IN A â€œSIRIUS-LIKEâ€• BINARY SYSTEM. Astrophysical Journal Letters, 2014, 783, L25.	8.3	15
92	GALEX absolute calibration and extinction coefficients based on white dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5046-5052.	4.4	15
93	Faint Blue Objects in the Hubble Deep Fieldâ€“South Revealed: White Dwarfs, Subdwarfs, and Quasars. Astrophysical Journal, 2005, 633, 1126-1141.	4.5	14
94	A NEAR-INFRARED SPECTROSCOPIC SURVEY OF COOL WHITE DWARFS IN THE SLOAN DIGITAL SKY SURVEY. Astronomical Journal, 2009, 138, 102-109.	4.7	14
95	NO NEUTRON STAR COMPANION TO THE LOWEST MASS SDSS WHITE DWARF. Astrophysical Journal, 2009, 700, L123-L126.	4.5	13
96	ASPITZERSEARCH FOR SUBSTELLAR COMPANIONS TO LOW-MASS WHITE DWARFS. Astrophysical Journal, 2010, 708, 411-418.	4.5	12
97	A Gemini snapshot survey for double degenerates. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4218-4227.	4.4	12
98	Ensemble Properties of the White Dwarf Population of the Old, Solar Metallicity Open Star Cluster Messier 67[*]. Astrophysical Journal, 2018, 867, 62.	4.5	12
99	The First Midâ€Infrared Spectra of Cool White Dwarfs. Astrophysical Journal, 2008, 678, 1298-1303.	4.5	11
100	The runaway binary LPÂ400â^'22 is leaving the Galaxy. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3582-3589.	4.4	11
101	A magnetic white dwarf with five Hâ€‰Î± components. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3648-3654.	4.4	10
102	Proper Motion Objects in the Hubble Deep Field. Astrophysical Journal, 2004, 609, 766-775.	4.5	9
103	Magnetic white dwarfs: Observations, theory and future prospects. International Journal of Modern Physics D, 2016, 25, 1630005.	2.1	9
104	Periodic optical variability and debris accretion in white dwarfs: a test for a causal connection*. Monthly Notices of the Royal Astronomical Society, 2018, 476, 933-942.	4.4	9
105	Two new double-lined spectroscopic binary white dwarfs. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2805-2816.	4.4	9
106	TODAY A DUO, BUT ONCE A TRIO? THE DOUBLE WHITE DWARF HS 2220+2146 MAY BE A POST-BLUE STRAGGLER BINARY. Astrophysical Journal, 2016, 828, 38.	4.5	8
107	Hidden in plain sight: a double-lined white dwarf binary 26Âpc away and a distant cousin. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4972-4980.	4.4	8
108	The White Dwarfs of the Old, Solar-metallicity Open Star Cluster Messier 67: Properties and Progenitors*. Astronomical Journal, 2021, 161, 169.	4.7	8

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109	Photometric Identification of Cool White Dwarfs. Astronomical Journal, 2004, 128, 1825-1833.	4.7	7
110	New halo white dwarf candidates in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2453-2464.	4.4	7
111	Massive double white dwarfs and the AMÂCVn birthrate. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4176-4181.	4.4	7
112	The DECam minute cadence survey â€“ II. 49 variables but no planetary transits of a white dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1066-1075.	4.4	7
113	The Discovery of Two LISA Sources within 0.5 kpc. Astrophysical Journal Letters, 2021, 918, L14.	8.3	7
114	The DECam minute cadence survey â€“ I. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2506-2517.	4.4	6
115	The kinematics of Galactic disc white dwarfs inGaiaDR2. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3544-3551.	4.4	6
116	Multiband light-curve analysis of the 40.5-min period eclipsing double-degenerate binary SDSS J082239.54+304857.19. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5098-5105.	4.4	6
117	SDSS 1355+0856: a detached white dwarfÂ+ M star binary in the period gap discovered by the SWARMS surveyâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3596-3603.	4.4	5
118	Project 1640 observations of the white dwarf HD 114174 B. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4796-4805.	4.4	5
119	The Metallicity Distribution of Distant F and G Type Stars in the CFHT Legacy Survey Deep Field. Publications of the Astronomical Society of Australia, 2009, 26, 1-6.	3.4	3
120	MOVING OBJECTS IN THE HUBBLE ULTRA DEEP FIELD. Astrophysical Journal, 2013, 774, 88.	4.5	3
121	Constraining the physics of carbon crystallization through pulsations of a massive DAV BPM37093. Proceedings of the International Astronomical Union, 2015, 11, 493-496.	0.0	3
122	Cool White Dwarfs. , 0, , 25-52.		3
123	Gravitational Wave Verification Sources. Thirty Years of Astronomical Discovery With UKIRT, 2015, , 167-173.	0.3	3
124	A Hot Subdwarf B Star Eclipsed by a Low-mass White Dwarf in TESS Data. Research Notes of the AAS, 2019, 3, 81.	0.7	3
125	A Serendipitous Pulsar Discovery in a Search for a Companion to a Low-mass White Dwarf. Research Notes of the AAS, 2018, 2, 60.	0.7	2
126	Photospheric Ca and Mg line-strength variations in G29-38. Journal of Physics: Conference Series, 2009, 172, 012059.	0.4	1

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127	New insights on pulsating white dwarfs from 3D radiation-hydrodynamical simulations. Proceedings of the International Astronomical Union, 2015, 11, 667-672.	0.0	0