

J R Maund

List of Publications by Year in descending order

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97
papers

5,663
citations

76294

40
h-index

76872

74
g-index

100
all docs

100
docs citations

100
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gravitational-wave Optical Transient Observer (GOTO): prototype performance and prospects for transient science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2405-2422.	1.6	18
2	An environmental analysis of the Type Ib SN 2019yvr and the possible presence of an inflated binary companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3701-3715.	1.6	18
3	The Type Icn SN 2021csp: Implications for the Origins of the Fastest Supernovae and the Fates of Wolf-Rayet Stars. <i>Astrophysical Journal</i> , 2022, 927, 180.	1.6	35
4	A hot and luminous source at the site of the fast transient AT2018cow at 2.3 Åyr after its explosion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 512, L66-L70.	1.2	12
5	Processing GOTO survey data with the Rubin Observatory LSST Science Pipelines II: Forced Photometry and lightcurves. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	1.3	1
6	RINGO3 polarimetry of very young ZTF supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 312-323.	1.6	12
7	SN 2013ai: A Link between Hydrogen-rich and Hydrogen-poor Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2021, 909, 145.	1.6	5
8	Transient-optimized real-bogus classification with Bayesian convolutional neural networks – sifting the GOTO candidate stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4838-4854.	1.6	19
9	Towards a better understanding of supernova environments: a study of SNe 2004dg and 2012P in NGC 5806 with <i>HST</i> and MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2253-2272.	1.6	8
10	Evidence for multiple origins of fast declining Type II supernovae from spectropolarimetry of SN 2013ej and SN 2017ahn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3664-3680.	1.6	12
11	Light-curve classification with recurrent neural networks for GOTO: dealing with imbalanced data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4345-4361.	1.6	17
12	Searching for <i>Fermi</i> GRB optical counterparts with the prototype Gravitational-wave Optical Transient Observer (GOTO). <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5463-5476.	1.6	3
13	Processing GOTO data with the Rubin Observatory LSST Science Pipelines I: Production of coadded frames. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	1.3	1
14	Spectropolarimetry of the Type Ia SN 2019ein rules out significant global asphericity of the ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4058-4070.	1.6	10
15	An imaging polarimetry survey of Type Ia supernovae: are peculiar extinction and polarization properties produced by circumstellar or interstellar matter?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 6028-6046.	1.6	7
16	Searching for electromagnetic counterparts to gravitational-wave merger events with the prototype Gravitational-Wave Optical Transient Observer (GOTO-4). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 726-738.	1.6	68
17	Machine learning for transient recognition in difference imaging with minimum sampling effort. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 6009-6017.	1.6	9
18	The changing-type SN 2014C may come from an 11-M \odot star stripped by binary interaction and violent eruption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5118-5135.	1.6	18

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19	Polarimetry of the superluminous transient ASASSN-15lh. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3730-3735.	1.6	6
20	The shape of SN 1993J re-analysed. Monthly Notices of the Royal Astronomical Society, 2020, 494, 885-901.	1.6	5
21	Origins of Type IIb SNe 2006jc/2015G in interacting binaries and implications for pre-SN eruptions. Monthly Notices of the Royal Astronomical Society, 2020, 491, 6000-6019.	1.6	28
22	Polarized kilonovae from black hole-neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1891-1899.	1.6	18
23	The Young and Nearby Normal Type Ia Supernova 2018gv: UV-optical Observations and the Earliest Spectropolarimetry. Astrophysical Journal, 2020, 902, 46.	1.6	32
24	First systematic high-precision survey of bright supernovae. Astronomy and Astrophysics, 2020, 643, A35.	2.1	0
25	Linear spectropolarimetry of 35 Type Ia supernovae with VLT/FORS: an analysis of the Si II line polarization. Monthly Notices of the Royal Astronomical Society, 2019, 490, 578-599.	1.6	50
26	The Type II-plateau Supernova 2017eaw in NGC 6946 and Its Red Supergiant Progenitor. Astrophysical Journal, 2019, 875, 136.	1.6	51
27	The 3D shape of Type IIb SN 2011hs. Monthly Notices of the Royal Astronomical Society, 2019, 485, 102-116.	1.6	11
28	Probing the final-stage progenitor evolution for Type II-P Supernova 2017eaw in NGC 6946. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1990-2000.	1.6	30
29	<i>RINGO3</i> polarimetry of the Type I superluminous SN 2017egm. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4057-4061.	1.6	17
30	The Origin of the Late-time Luminosity of Supernova 2011dh. Astrophysical Journal, 2019, 883, 86.	1.6	21
31	The origin of polarization in kilonovae and the case of the gravitational-wave counterpart AT 2017gfo. Nature Astronomy, 2019, 3, 99-106.	4.2	29
32	SPLIT: a snapshot survey for polarized light in optical transients. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5023-5040.	1.6	11
33	The very young resolved stellar populations around stripped-envelope supernovae. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2629-2663.	1.6	39
34	Mapping Circumstellar Matter with Polarized Light: The Case of Supernova 2014J in M82. Astrophysical Journal, 2018, 854, 55.	1.6	14
35	Testing the magnetar scenario for superluminous supernovae with circular polarimetry. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4984-4990.	1.6	15
36	Probing the rotational velocity of Galactic WO stars with spectropolarimetry. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4535-4543.	1.6	5

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37	Late-time Flattening of Type Ia Supernova Light Curves: Constraints from SN 2014J in M82. <i>Astrophysical Journal</i> , 2018, 852, 89.	1.6	34
38	Time-resolved Polarimetry of the Superluminous SN 2015bn with the Nordic Optical Telescope. <i>Astrophysical Journal Letters</i> , 2017, 837, L14.	3.0	33
39	Continuum Foreground Polarization and Na i Absorption in Type Ia SNe*. <i>Astrophysical Journal</i> , 2017, 836, 88.	1.6	14
40	INTERSTELLAR-MEDIUM MAPPING IN M82 THROUGH LIGHT ECHOES AROUND SUPERNOVA 2014J. <i>Astrophysical Journal</i> , 2017, 834, 60.	1.6	25
41	Core-collapse supernova progenitor constraints using the spatial distributions of massive stars in local galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A92.	2.1	20
42	The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole. <i>Nature Astronomy</i> , 2017, 1, .	4.2	154
43	Spectropolarimetry of the 2012 outburst of SN 2009ip: a bi-polar explosion in a dense, disc-like CSM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1491-1511.	1.6	37
44	The resolved stellar populations around 12 Type IIP supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2202-2218.	1.6	42
45	Bridging the gap: from massive stars to supernovae. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170025.	1.6	2
46	The evolution of the 3D shape of the broad-lined Type Ic SN 2014ad. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1897-1911.	1.6	27
47	ASASSN-15LH: A SUPERLUMINOUS ULTRAVIOLET REBRIGHTENING OBSERVED BY SWIFT AND HUBBLE*. <i>Astrophysical Journal</i> , 2016, 828, 3.	1.6	27
48	THE POSSIBLE DETECTION OF A BINARY COMPANION TO A TYPE IBN SUPERNOVA PROGENITOR. <i>Astrophysical Journal</i> , 2016, 833, 128.	1.6	26
49	Spectropolarimetry of the BL-Ic SN 2014ad. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 447-447.	0.0	0
50	Spectropolarimetry of the Type IIb SN 2008aq*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2019-2024.	1.6	10
51	A high mass progenitor for the Type Ic Supernova 2007gr inferred from its environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3175-3185.	1.6	18
52	The disappearance of the helium-giant progenitor of the Type Ib supernova iPTF13bvn and constraints on its companion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 461, L117-L121.	1.2	75
53	Spectropolarimetry of the Type Ib Supernova iPTF 13bvn: revealing the complex explosion geometry of a stripped-envelope core-collapse supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 288-303.	1.6	21
54	POLARIMETRY OF THE SUPERLUMINOUS SUPERNOVA LSQ14MO: NO EVIDENCE FOR SIGNIFICANT DEVIATIONS FROM SPHERICAL SYMMETRY. <i>Astrophysical Journal Letters</i> , 2015, 815, L10.	3.0	50

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55	PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects. <i>Astronomy and Astrophysics</i> , 2015, 579, A40.	2.1	239
56	Did the progenitor of SN 2011dh have a binary companion?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2580-2585.	1.6	38
57	Properties of extragalactic dust inferred from linear polarimetry of Type Ia Supernovae. <i>Astronomy and Astrophysics</i> , 2015, 577, A53.	2.1	62
58	Possible binary progenitors for the Type Ib supernova iPTF13bvn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2689-2695.	1.6	86
59	The Type IIb SN 2011dh: Two years of observations and modelling of the lightcurves. <i>Astronomy and Astrophysics</i> , 2015, 580, A142.	2.1	74
60	A new precise mass for the progenitor of the Type IIP SN 2008bk. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1577-1592.	1.6	45
61	On the progenitor of the Type IIP SN 2013ej in M74. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 439, L56-L60.	1.2	55
62	A late-time view of the progenitors of five Type IIP supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 938-958.	1.6	50
63	THE TYPE IIP SUPERNOVA 2012aw IN M95: HYDRODYNAMICAL MODELING OF THE PHOTOSPHERIC PHASE FROM ACCURATE SPECTROPHOTOMETRIC MONITORING. <i>Astrophysical Journal</i> , 2014, 787, 139.	1.6	72
64	Rapid formation of large dust grains in the luminous supernova 2010jl. <i>Nature</i> , 2014, 511, 326-329.	18.7	165
65	Optical and near-infrared observations of SN 2011dh – The first 100 days. <i>Astronomy and Astrophysics</i> , 2014, 562, A17.	2.1	93
66	Spectropolarimetry of the Type Ia supernova 2012fr. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 433, L20-L24.	1.2	41
67	On the progenitor of the Type Ic SN 2013dk in the Antennae galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L109-L113.	1.2	15
68	The death of massive stars - II. Observational constraints on the progenitors of Type Ibc supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 774-795.	1.6	226
69	The first month of evolution of the slow-rising Type IIP SN 2013ej in M74. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 438, L101-L105.	1.2	124
70	VLT Spectropolarimetry of the Type Ia SN 2005ke. <i>Astronomy and Astrophysics</i> , 2012, 545, A7.	2.1	51
71	RED AND DEAD: THE PROGENITOR OF SN 2012aw IN M95. <i>Astrophysical Journal Letters</i> , 2012, 759, L13.	3.0	63
72	Spectropolarimetry of Type IIn SN2010jl: Peering Into the Heart of a Monster. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 325-326.	0.0	1

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73	THE YELLOW SUPERGIANT PROGENITOR OF THE TYPE II SUPERNOVA 2011dh IN M51. <i>Astrophysical Journal Letters</i> , 2011, 739, L37.	3.0	167
74	On the nature of the progenitors of three Type II-P supernovae: 2004et, 2006my and 2006ov. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2767-2786.	1.6	40
75	SN 2009md: another faint supernova from a low-mass progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1417-1433.	1.6	97
76	VLT spectropolarimetry of the optical transient in NGC 300. <i>Astronomy and Astrophysics</i> , 2010, 510, A108.	2.1	22
77	A SPECTROPOLARIMETRIC VIEW ON THE NATURE OF THE PECULIAR TYPE I SN 2005hk. <i>Astrophysical Journal</i> , 2010, 722, 1162-1174.	1.6	38
78	Do Wolf-Rayet stars have similar locations in hosts as type Ib/c supernovae and long gamma-ray bursts?. <i>Astronomy and Astrophysics</i> , 2010, 518, A29.	2.1	26
79	THE UNIFICATION OF ASYMMETRY SIGNATURES OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2010, 725, L167-L171.	3.0	51
80	THE EARLY ASYMMETRIES OF SUPERNOVA 2008D/XRF 080109. <i>Astrophysical Journal</i> , 2009, 705, 1139-1151.	1.6	54
81	The normal Type Ia SN 2003hv out to very late phases. <i>Astronomy and Astrophysics</i> , 2009, 505, 265-279.	2.1	93
82	VLT spectropolarimetry of the fast expanding type Ia SN 2006X. <i>Astronomy and Astrophysics</i> , 2009, 508, 229-246.	2.1	66
83	The Disappearance of the Progenitors of Supernovae 1993J and 2003gd. <i>Science</i> , 2009, 324, 486-488.	6.0	99
84	The death of massive stars - I. Observational constraints on the progenitors of Type II-P supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1409-1437.	1.6	585
85	A γ -ray burst at a redshift of $z \approx 8.2$. <i>Nature</i> , 2009, 461, 1254-1257.	13.7	535
86	The Birth Place of the Type Ic Supernova 2007gr. <i>Astrophysical Journal</i> , 2008, 672, L99-L102.	1.6	45
87	Optical spectropolarimetry with incomplete data sets. <i>Astronomy and Astrophysics</i> , 2008, 481, 913-918.	2.1	10
88	Spectropolarimetry of the Type IIb Supernova 2001ig. <i>Astrophysical Journal</i> , 2007, 671, 1944-1958.	1.6	54
89	Spectropolarimetry of the Type Ib/c SN 2005bf*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 201-210.	1.6	73
90	A deeper search for the progenitor of the Type Ic supernova 2002ap. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 835-850.	1.6	59

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91	Spectropolarimetry of SN 2006aj at 9.6 days. <i>Astronomy and Astrophysics</i> , 2007, 475, L1-L4.	2.1	24
92	Luminosity and Mass Limits for the Progenitor of the Type Ic Supernova 2004gt in NGC 4038. <i>Astrophysical Journal</i> , 2005, 630, L33-L36.	1.6	40
93	A study of the Type II-P supernova 2003gd in M74. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 906-926.	1.6	103
94	Hubble Space Telescope imaging of the progenitor sites of six nearby core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 288-304.	1.6	82
95	The progenitor of SN 2005cs in the Whirlpool Galaxy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 364, L33-L37.	1.2	119
96	Detection of a Red Supergiant Progenitor Star of a Type II-Plateau Supernova. <i>Science</i> , 2004, 303, 499-503.	6.0	151
97	The massive binary companion star to the progenitor of supernova 1993J. <i>Nature</i> , 2004, 427, 129-131.	13.7	253