

# Ewan O'Sullivan

## List of Publications by Year in descending order

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92  
papers

3,369  
citations

136950

32  
h-index

149698

56  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2971  
citing authors

#	ARTICLE	IF	CITATIONS
1	A galaxy lacking dark matter. <i>Nature</i> , 2018, 555, 629-632.	27.8	268
2	A catalogue and analysis of X-ray luminosities of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 461-484.	4.4	250
3	Tropospheric emissions: Monitoring of pollution (TEMPO). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 17-39.	2.3	239
4	A statistically selected Chandra sample of 20 galaxy clusters - I. Temperature and cooling time profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1496-1508.	4.4	126
5	X-ray scaling properties of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 340, 1375-1399.	4.4	117
6	HEATING THE HOT ATMOSPHERES OF GALAXY GROUPS AND CLUSTERS WITH CAVITIES: THE RELATIONSHIP BETWEEN JET POWER AND LOW-FREQUENCY RADIO EMISSION. <i>Astrophysical Journal</i> , 2011, 735, 11.	4.5	111
7	The Planetary Nebula Spectrograph elliptical galaxy survey: the dark matter in NGC 4494. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 329-353.	4.4	104
8	The baryonic haloes of elliptical galaxies: radial distribution of globular clusters and diffuse hot gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 66-73.	4.4	87
9	SHOCK-ENHANCED C <sup>+</sup> EMISSION AND THE DETECTION OF H <sub>2</sub> O FROM THE STEPHAN'S QUINTET GROUP-WIDE SHOCK USING <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2013, 777, 66.	4.5	82
10	A statistically selected <i>Chandra</i> sample of 20 galaxy clusters - II. Gas properties and cool core/non-cool core bimodality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 764-776.	4.4	78
11	ISOTROPIC ACTIVE GALACTIC NUCLEUS HEATING WITH SMALL RADIO-QUIET BUBBLES IN THE NGC 5044 GROUP. <i>Astrophysical Journal</i> , 2009, 705, 624-638.	4.5	77
12	CAVITIES AND SHOCKS IN THE GALAXY GROUP HCG 62 AS REVEALED BY <i>CHANDRA</i> , <i>XMM-NEWTON</i> , AND GIANT METREWAVE RADIO TELESCOPE DATA. <i>Astrophysical Journal</i> , 2010, 714, 758-771.	4.5	76
13	An Enigmatic Population of Luminous Globular Clusters in a Galaxy Lacking Dark Matter. <i>Astrophysical Journal Letters</i> , 2018, 856, L30.	8.3	74
14	A COMBINED LOW-RADIO FREQUENCY/X-RAY STUDY OF GALAXY GROUPS. I. GIANT METREWAVE RADIO TELESCOPE OBSERVATIONS AT 235 MHz AND 610 MHz. <i>Astrophysical Journal</i> , 2011, 732, 95.	4.5	74
15	MOLECULAR GAS IN THE X-RAY BRIGHT GROUP NGC 5044 AS REVEALED BY ALMA. <i>Astrophysical Journal</i> , 2014, 792, 94.	4.5	72
16	The photometric properties of isolated early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 851-869.	4.4	67
17	Correlations of near-infrared, optical and X-ray luminosity for early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 627-645.	4.4	58
18	ACTIVE-GALACTIC-NUCLEUS-DRIVEN WEATHER AND MULTIPHASE GAS IN THE CORE OF THE NGC 5044 GALAXY GROUP. <i>Astrophysical Journal</i> , 2011, 728, 162.	4.5	54

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19	The Complete Local Volume Groups Sample – I. Sample selection and X-ray properties of the high-richness subsample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1482-1505.	4.4	54
20	X-ray luminosities of galaxies in groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 325, 693-706.	4.4	53
21	Feedback from Active Galactic Nuclei in Galaxy Groups. <i>Universe</i> , 2021, 7, 142.	2.5	49
22	XMM-Newton and Chandra observations of three X-ray-faint early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 535-546.	4.4	45
23	AWM 4 - an isothermal cluster observed with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 357, 1134-1150.	4.4	43
24	The isolated elliptical NGC 4555 observed with Chandra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 935-944.	4.4	40
25	A CHANDRA X-RAY VIEW OF STEPHAN'S QUINTET: SHOCKS AND STAR FORMATION. <i>Astrophysical Journal</i> , 2009, 701, 1560-1568.	4.5	40
26	Interaction between the intergalactic medium and central radio source in the NGC 4261 group of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2916-2931.	4.4	40
27	A Giant Metrewave Radio Telescope/Chandra view of IRAS 09104+4109: a type 2 QSO in a cooling flow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2971-2993.	4.4	40
28	The baryon budget on the galaxy group/cluster boundary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3288-3304.	4.4	38
29	On the Anomalous Temperature Distribution of the Intergalactic Medium in the NGC 3411 Group of Galaxies. <i>Astrophysical Journal</i> , 2007, 658, 299-313.	4.5	36
30	Cold gas in group-dominant elliptical galaxies. <i>Astronomy and Astrophysics</i> , 2015, 573, A111.	5.1	35
31	THE ELIXR GALAXY SURVEY. II. BARYONS AND DARK MATTER IN AN ISOLATED ELLIPTICAL GALAXY. <i>Astrophysical Journal</i> , 2012, 755, 166.	4.5	34
32	The X-ray emission in post-merger ellipticals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 324, 420-426.	4.4	32
33	A deep Chandra observation of the poor cluster AWM 4 - II. The role of the radio jets in enriching the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1833-1842.	4.4	32
34	The nature of the ghost cavity in the NGC 741 group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1344-1354.	4.4	31
35	Cold gas in a complete sample of group-dominant early-type galaxies. <i>Astronomy and Astrophysics</i> , 2018, 618, A126.	5.1	31
36	The dark haloes of early-type galaxies in low-density environments: XMM-Newton and Chandra observations of NGC 57, 7796 and IC 1531*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 1409-1421.	4.4	28

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37	MERGING COLD FRONTS IN THE GALAXY PAIR NGC 7619 AND NGC 7626. <i>Astrophysical Journal</i> , 2009, 696, 1431-1440.	4.5	28
38	COMPARING X-RAY AND DYNAMICAL MASS PROFILES IN THE EARLY-TYPE GALAXY NGC 4636. <i>Astrophysical Journal</i> , 2009, 706, 980-994.	4.5	27
39	The jet and counterjet of 3C 270 (NGC 4261) viewed in the X-ray with Chandra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 701-712.	4.4	27
40	An XMM-Newton observation of the galaxy group MKW 4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 525-539.	4.4	26
41	Diversity in the stellar velocity dispersion profiles of a large sample of brightest cluster galaxies $z \approx 0.3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 335-358.	4.4	26
42	The impact of sloshing on the intragroup medium and old radio lobe of NGC 5044. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 730-739.	4.4	25
43	The Presence of Thermally Unstable X-Ray Filaments and the Production of Cold Gas in the NGC 5044 Group. <i>Astrophysical Journal</i> , 2017, 842, 84.	4.5	24
44	THE MYSTERIOUS MERGER OF NGC 6868 AND NGC 6861 IN THE TELESCOPIUM GROUP. <i>Astrophysical Journal</i> , 2010, 711, 1316-1332.	4.5	21
45	RECURRENT RADIO OUTBURSTS AT THE CENTER OF THE NGC 1407 GALAXY GROUP. <i>Astrophysical Journal</i> , 2012, 755, 172.	4.5	21
46	Evidence of AGN feedback and sloshing in the X-ray luminous NGC 1550 galaxy group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1471-1487.	4.4	21
47	New insights into the evolution of the FR I radio galaxy 3C 270 (NGC 4261) from VLA and GMRT radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1732-1744.	4.4	20
48	<i>Chandra</i> Early-type Galaxy Atlas. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 36.	7.7	20
49	A deep Chandra observation of the poor cluster AWM 4 - I. Properties of the central radio galaxy and its effects on the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 321-338.	4.4	18
50	NGC 741 Mergers and AGN Feedback on a Galaxy-group Scale. <i>Astrophysical Journal</i> , 2017, 845, 84.	4.5	18
51	A Giant Metrewave Radio Telescope Multifrequency Radio Study of the Isothermal Core of the Poor Galaxy Cluster AWM 4. <i>Astrophysical Journal</i> , 2008, 682, 186-198.	4.5	17
52	Constraining the Physical State of the Hot Gas Halos in NGC 4649 and NGC 5846. <i>Astrophysical Journal</i> , 2017, 844, 5.	4.5	17
53	Very Large Array Radio Study of a Sample of Nearby X-Ray and Optically Bright Early-type Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 30.	7.7	16
54	Cold fronts and metal anisotropies in the X-ray cool core of the galaxy cluster Zw 1742+3306. <i>Astronomy and Astrophysics</i> , 2013, 555, A93.	5.1	15

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55	DEEP<i>CHANDRA</i>OBSERVATIONS OF HCG 16. II. THE DEVELOPMENT OF THE INTRA-GROUP MEDIUM IN A SPIRAL-RICH GROUP. <i>Astrophysical Journal</i> , 2014, 793, 74.	4.5	15
56	The Complete Local Volume Groups Sample - II. A study of the Central Radio Galaxies in the Highâ€œRichness Sub-sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	15
57	The origin of the X-ray, radio and Hâ€œi structures in the NGC 5903 galaxy group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5248-5266.	4.4	14
58	Atacama Compact Array Measurements of the Molecular Mass in the NGC 5044 Cooling-flow Group. <i>Astrophysical Journal</i> , 2020, 894, 72.	4.5	14
59	DEEP<i>CHANDRA</i>OBSERVATIONS OF HCG 16. I. ACTIVE NUCLEI, STAR FORMATION, AND GALACTIC WINDS. <i>Astrophysical Journal</i> , 2014, 793, 73.	4.5	13
60	The mystery of the â€œKiteâ€œ radio source in Abell 2626: Insights from new Chandra observations. <i>Astronomy and Astrophysics</i> , 2018, 610, A89.	5.1	13
61	The complete local volume groups sample â€œ III. Characteristics of group central radio galaxies in the Local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2488-2504.	4.4	13
62	Building a cluster: shocks, cavities, and cooling filaments in the groupâ€œgroup merger NGC 6338. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2925-2946.	4.4	13
63	The relation between the diffuse X-ray luminosity and the radio power of the central AGN in galaxy groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2163-2174.	4.4	13
64	A BCG with Offset Cooling: Is the AGN Feedback Cycle Broken in A2495?. <i>Astrophysical Journal</i> , 2019, 885, 111.	4.5	13
65	Studying the asymmetry of the globular cluster population of NGC 4261. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2872-2887.	4.4	12
66	Dynamical masses of brightest cluster galaxies I: stellar velocity anisotropy and mass-to-light ratios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1857-1880.	4.4	11
67	Massive central galaxies of galaxy groups in the <sc>Romulus</sc> simulations: an overview of galaxy properties at <i>z</i>= 0. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 22-47.	4.4	11
68	Forming One of the Most Massive Objects in the Universe: The Quadruple Merger in Abell 1758. <i>Astrophysical Journal</i> , 2019, 882, 59.	4.5	10
69	A New Feedback Cycle in the Archetypal Cooling Flow Group NGC 5044. <i>Astrophysical Journal</i> , 2021, 906, 16.	4.5	10
70	Molecular gas along the old radio jets of the cluster-central typeâ2 quasar IRASâ09104+4109. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3796-3811.	4.4	9
71	A First Chandra View of the Cool Core Cluster A1668: Offset Cooling and AGN Feedback Cycle. <i>Astrophysical Journal</i> , 2021, 911, 66.	4.5	9
72	The Unusually Weak and Exceptionally Steep Radio Relic in A2108. <i>Astrophysical Journal</i> , 2022, 925, 91.	4.5	9

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73	The Complete Local-Volume Groups Sample – IV. Star formation and gas content in group-dominant galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4191-4207.	4.4	9
74	Disturbed Fossil Group Galaxy NGC 1132. Astrophysical Journal, 2018, 853, 129.	4.5	7
75	Merger histories of brightest group galaxies from MUSE stellar kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1104-1121.	4.4	7
76	Temperature profiles of hot gas in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2095-2118.	4.4	6
77	An XMM-Newton Early-type Galaxy Atlas. Astrophysical Journal, Supplement Series, 2021, 256, 22.	7.7	4
78	SDSS-IV MaNGA: The Nature of an Off-galaxy H <sub>2</sub> Blob – A Multiwavelength View of Offset Cooling in a Merging Galaxy Group. Astrophysical Journal, 2020, 903, 16.	4.5	4
79	The contribution of non-central radio galaxies to AGN feedback in rich galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3273-3288.	4.4	4
80	The Cluster-central Compact Steep-spectrum Radio Galaxy 1321+045. Astrophysical Journal, 2021, 913, 105.	4.5	3
81	CHANDRA AND XMM-NEWTON OBSERVATIONS OF THE MERGING CLUSTER OF GALAXIES PLCK G036.7+14.9. Astrophysical Journal, 2015, 804, 129.	4.5	2
82	AGN Feedback in the Compact Group of Galaxies HCG 62 as Revealed by Chandra, XMM and GMRT Data. , 2009, , .		1
83	AGN Feedback in Galaxy Groups: A Joint GMRT X-ray Study. , 2009, , .		1
84	Comparing X-ray color selection in separating X-ray binary classes using color-color-intensity diagrams. New Astronomy, 2021, 85, 101514.	1.8	1
85	Supermassive Black Hole feedback in early type galaxies. Proceedings of the International Astronomical Union, 2019, 15, 119-125.	0.0	1
86	AGN feedback in groups of galaxies: a joint X-ray low-frequency radio study. , 2010, , .		0
87	AGN FEEDBACK IN GALAXY GROUPS: THE CASE OF HCG 62. , 2010, , .		0
88	X-Ray Measurements of the Mass Profiles in Massive Isolated Elliptical Galaxies. Proceedings of the International Astronomical Union, 2014, 10, 40-44.	0.0	0
89	Chandra Early-Type Galaxy Atlas. Proceedings of the International Astronomical Union, 2018, 14, 242-243.	0.0	0
90	1321+045: A compact steep-spectrum radio source in a cool-core galaxy cluster. Astronomische Nachrichten, 0, , .	1.2	0

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91	Effects of AGN and Mergers on the Cores of Galaxy Groups. Globular Clusters - Guides To Galaxies, 2007, , 282-287.	0.1	0
92	An X-ray View of the Cores of Galaxy Groups: Effects of AGN and Mergers on the IGM. Globular Clusters - Guides To Galaxies, 2007, , 331-335.	0.1	0