

Moshe Elitzur

List of Publications by Year in descending order

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125
papers

6,999
citations

53660

45
h-index

56606

83
g-index

130
all docs

130
docs citations

130
times ranked

3466
citing authors

#	ARTICLE	IF	CITATIONS
1	AGN Dusty Tori. II. Observational Implications of Clumpiness. <i>Astrophysical Journal</i> , 2008, 685, 160-180.	1.6	606
2	AGN Dusty Tori. I. Handling of Clumpy Media. <i>Astrophysical Journal</i> , 2008, 685, 147-159.	1.6	458
3	Dust Emission from Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2002, 570, L9-L12.	1.6	389
4	The AGN-obscuring Torus: The End of the "Doughnut" Paradigm?. <i>Astrophysical Journal</i> , 2006, 648, L101-L104.	1.6	383
5	H ₂ O masers in star-forming regions. <i>Astrophysical Journal</i> , 1989, 346, 983.	1.6	243
6	Astronomical Masers. <i>Astrophysics and Space Science Library</i> , 1992, , .	1.0	242
7	DUSTY STRUCTURE AROUND TYPE-I ACTIVE GALACTIC NUCLEI: CLUMPY TORUS NARROW-LINE REGION AND NEAR-NUCLEUS HOT DUST. <i>Astrophysical Journal</i> , 2009, 705, 298-313.	1.6	193
8	TORUS AND ACTIVE GALACTIC NUCLEUS PROPERTIES OF NEARBY SEYFERT GALAXIES: RESULTS FROM FITTING INFRARED SPECTRAL ENERGY DISTRIBUTIONS AND SPECTROSCOPY. <i>Astrophysical Journal</i> , 2011, 736, 82.	1.6	184
9	ON THE UNIFICATION OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal Letters</i> , 2012, 747, L33.	3.0	157
10	ON THE DISAPPEARANCE OF THE BROAD-LINE REGION IN LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2009, 701, L91-L94.	1.6	154
11	The Distribution of Silicate Strength in Spitzer Spectra of AGNs and ULIRGs. <i>Astrophysical Journal</i> , 2007, 655, L77-L80.	1.6	152
12	Astronomical Masers. <i>Annual Review of Astronomy and Astrophysics</i> , 1992, 30, 75-112.	8.1	148
13	OH 1720 Megahertz Masers in Supernova Remnants: Shock Indicators. <i>Astrophysical Journal</i> , 1999, 511, 235-241.	1.6	133
14	Infrared emission and dynamics of outflows in late-type stars. <i>Astrophysical Journal</i> , 1995, 445, 415.	1.6	129
15	Spitzer/IRS Spectra of a Large Sample of Seyfert Galaxies: A Variety of Infrared Spectral Energy Distributions in the Local Active Galactic Nucleus Population. <i>Astronomical Journal</i> , 2006, 132, 401-419.	1.9	123
16	Evolution of broad-line emission from active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3340-3351.	1.6	115
17	Spatially Resolved Mid-Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. <i>Astrophysical Journal</i> , 2006, 640, 612-624.	1.6	106
18	The toroidal obscuration of active galactic nuclei. <i>New Astronomy Reviews</i> , 2008, 52, 274-288.	5.2	103

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19	Dusty winds – I. Self-similar solutions. Monthly Notices of the Royal Astronomical Society, 2001, 327, 403-421.	1.6	98
20	ON THE 10 μ m SILICATE FEATURE IN ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2009, 707, 1550-1559.	1.6	98
21	Inversion of the OH 1720-MHz Line. Astrophysical Journal, 1976, 203, 124.	1.6	95
22	HIGH-VELOCITY BIPOLAR MOLECULAR EMISSION FROM AN AGN TORUS. Astrophysical Journal Letters, 2016, 829, L7.	3.0	90
23	The dynamics of stellar outflows dominated by interaction of dust and radiation. Astrophysical Journal, 1993, 410, 701.	1.6	88
24	Polarization of Astronomical Maser Radiation. III. Arbitrary Zeeman Splitting and Anisotropic Pumping. Astrophysical Journal, 1996, 457, 415.	1.6	88
25	Physical characteristics of astronomical masers. Reviews of Modern Physics, 1982, 54, 1225-1260.	16.4	86
26	The Flaring H ₂ O Megamaser and Compact Radio Source in Markarian 348. Astrophysical Journal, 2003, 590, 149-161.	1.6	80
27	THE DIFFERENCES IN THE TORUS GEOMETRY BETWEEN HIDDEN AND NON-HIDDEN BROAD LINE ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2015, 803, 57.	1.6	79
28	EMISSION FROM HOT DUST IN THE INFRARED SPECTRA OF GAMMA-RAY BRIGHT BLAZARS. Astrophysical Journal, 2011, 732, 116.	1.6	73
29	Silicates in Ultraluminous Infrared Galaxies. Astrophysical Journal, 2008, 678, 729-743.	1.6	72
30	Counter-rotation and High-velocity Outflow in the Parsec-scale Molecular Torus of NGC 1068. Astrophysical Journal Letters, 2019, 884, L28.	3.0	71
31	Dust Emission from Herbig A/B Stars: Evidence for Disks and Envelopes. Astrophysical Journal, 1999, 520, L115-L118.	1.6	67
32	INTERSTELLAR H ₂ O MASERS FROM J SHOCKS. Astrophysical Journal, 2013, 773, 70.	1.6	67
33	Modeling SiO maser emission from late-type stars. Astrophysical Journal, 1992, 399, 704.	1.6	65
34	Megamaser Disks in Active Galactic Nuclei. Astrophysical Journal, 1999, 513, 180-196.	1.6	64
35	<i>Spitzer</i> IRS Observations of Seyfert 1.8 and 1.9 Galaxies: A Comparison with Seyfert 1 and Seyfert 2. Astrophysical Journal, 2007, 671, 124-135.	1.6	63
36	INFRARED SPECTRAL ENERGY DISTRIBUTIONS OF SEYFERT GALAXIES: <i>Spitzer</i> SPACE TELESCOPE OBSERVATIONS OF THE 12 μ m SAMPLE OF ACTIVE GALAXIES. Astrophysical Journal, Supplement Series, 2010, 187, 172-211.	3.0	61

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37	A Circumstellar Disk in a High-Mass Star-forming Region. <i>Astrophysical Journal</i> , 2004, 603, L113-L116.	1.6	59
38	THE NUCLEAR INFRARED EMISSION OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI. <i>Astronomical Journal</i> , 2012, 144, 11.	1.9	59
39	Planar H ₂ O masers in star-forming regions. <i>Astrophysical Journal</i> , 1992, 394, 221.	1.6	58
40	Discs and haloes in pre-main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 1151-1161.	1.6	56
41	Near-Infrared and the Inner Regions of Protoplanetary Disks. <i>Astrophysical Journal</i> , 2006, 636, 348-361.	1.6	56
42	Electromagnetic mass differences and inelastic electron scattering. <i>Annals of Physics</i> , 1970, 56, 81-107.	1.0	55
43	The meaning of WISE colours – I. The Galaxy and its satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3361-3379.	1.6	51
44	A new exact method for line radiative transfer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 779-791.	1.6	50
45	The Mid-Infrared Emission of M87. <i>Astrophysical Journal</i> , 2007, 663, 808-815.	1.6	49
46	LUMINOSITY-VARIATION INDEPENDENT LOCATION OF THE CIRCUM-NUCLEAR, HOT DUST IN NGC 4151. <i>Astrophysical Journal</i> , 2010, 715, 736-742.	1.6	48
47	Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. <i>Astrophysical Journal</i> , 2006, 648, L39-L42.	1.6	47
48	On Protostellar Disks in Herbig Ae/Be Stars. <i>Astrophysical Journal</i> , 1997, 475, L41-L44.	1.6	44
49	DUSTY TORI OF LUMINOUS TYPE 1 QUASARS AT $z \sim 2$. <i>Astrophysical Journal</i> , 2011, 729, 108.	1.6	41
50	INFRARED DIAGNOSTICS FOR THE EXTENDED 12 μ m SAMPLE OF SEYFERTS. <i>Astrophysical Journal</i> , 2010, 710, 289-308.	1.6	40
51	Finite-Energy Sum Rules and Inelastic Electron Scattering. <i>Physical Review D</i> , 1971, 3, 2166-2171.	1.6	36
52	An Investigation into the Effects of Luminosity on the Mid-Infrared Spectral Energy Distributions of Radio-quiet Quasars. <i>Astrophysical Journal</i> , 2007, 661, 30-37.	1.6	33
53	The Effect of 53 μ m IR Radiation on 18 cm OH Megamaser Emission. <i>Astrophysical Journal</i> , 2008, 677, 985-992.	1.6	32
54	Disc outflows and high-luminosity true type 2 AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 585-594.	1.6	32

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55	Bipolar outflow on the asymptotic giant branch – the case of IRC+10011. Monthly Notices of the Royal Astronomical Society, 2004, 352, 852-862.	1.6	31
56	Gemini Mid-IR Polarimetry of NGC 1068: Polarized Structures around the Nucleus. Astrophysical Journal, 2007, 661, L29-L32.	1.6	31
57	DETECTIONS OF WATER ICE, HYDROCARBONS, AND 3.3 μ m PAH IN 2 ULIRGs. Astrophysical Journal, 2009, 703, 270-284.	1.6	30
58	Dust emission from IRC+10216. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1019-1025.	1.6	29
59	The obscuring torus in AGN. New Astronomy Reviews, 2006, 50, 728-731.	5.2	29
60	Polarization of Astronomical Maser Radiation. IV. Circular Polarization Profiles. Astrophysical Journal, 1998, 504, 390-395.	1.6	29
61	Water and Dust Emission from W Hydrae. Astrophysical Journal, 2000, 544, L137-L140.	1.6	27
62	Dust and PAH Emission in the Star-forming Active Nucleus of NGC 1097. Astrophysical Journal, 2007, 659, 241-249.	1.6	26
63	A protostellar jet model for the water masers in W49N. Astrophysical Journal, 1994, 427, 914.	1.6	25
64	The dusty tori of nearby QSOs as constrained by high-resolution mid-IR observations. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2-46.	1.6	24
65	Polarization of astronomical maser radiation. Astrophysical Journal, 1991, 370, 407.	1.6	24
66	Excited-state OH Masers and Supernova Remnants. Astrophysical Journal, 2008, 676, 371-377.	1.6	23
67	Estimations of the magnetic field strength in the torus of IC 5063 using near-infrared polarimetry. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2723-2736.	1.6	18
68	Radiative transfer in astronomical masers. I - The linear maser. II - Three-dimensional masers. Astrophysical Journal, 1990, 363, 628.	1.6	18
69	Scaling for Hadronic Form Factors. Physical Review Letters, 1971, 27, 895-898.	2.9	17
70	AN EMBEDDED ACTIVE NUCLEUS IN THE OH MEGAMASER GALAXY IRAS16399+0937. Astrophysical Journal, 2015, 799, 25.	1.6	17
71	Radio-continuum observations of a variety of cool stars. Astronomical Journal, 1991, 101, 230.	1.9	17
72	Masers in the Sky. Scientific American, 1995, 272, 68-74.	1.0	15

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73	The dust geometric distribution in Seyfert 1 and Seyfert 2 galaxies, isolated and in interaction. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2437-2444.	1.6	15
74	Radiative transfer in astronomical masers. III - Filamentary masers. Astrophysical Journal, 1991, 367, 333.	1.6	15
75	Infrared imaging of late-type stars. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1011-1018.	1.6	14
76	A deep look at the nuclear region of UGC 5101 through high angular resolution mid-IR data with GTC/CanariCam. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3577-3589.	1.6	13
77	The Nature of Deeply Buried Ultraluminous Infrared Galaxies: A Unified Model for Highly Obscured Dusty Galaxy Emission. Astrophysical Journal, 2018, 858, 59.	1.6	13
78	A radio-continuum survey of the coolest M and C giants. Astronomical Journal, 1987, 94, 1280.	1.9	13
79	On the theory of astronomical masers in three dimensions. Astrophysical Journal, 1994, 422, 751.	1.6	13
80	On the onset of mass loss in late-type stars. Astrophysical Journal, 1989, 341, L95.	1.6	13
81	Water masers in W49N - The youngest stellar jet?. Astrophysical Journal, 1992, 393, L33.	1.6	13
82	An escape probability treatment of line fluorescence and overlap in astrophysics. Astrophysical Journal, 1989, 344, 525.	1.6	12
83	Infrared Classification of Galactic Objects. Astrophysical Journal, 2000, 534, L93-L96.	1.6	12
84	Rotating discs and non-kinematic double peaks. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1394-1402.	1.6	11
85	CONSTRAINTS ON OH MEGAMASER EXCITATION FROM A SURVEY OF OH SATELLITE LINES. Astrophysical Journal, 2013, 774, 35.	1.6	11
86	Polarization of Astronomical Maser Radiation. II. Polarization Modes and Unsaturated Growth. Astrophysical Journal, 1993, 416, 256.	1.6	11
87	MOLPOP-CEP: an exact, fast code for multi-level systems. Astronomy and Astrophysics, 2018, 616, A131.	2.1	10
88	Dusty winds - II. Observational implications. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	9
89	A shock origin for interstellar H ₂ O masers. Lecture Notes in Physics, 1993, , 159-163.	0.3	9
90	ASTRONOMY: Masers in the Sky. Science, 2005, 309, 71-72.	6.0	8

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91	Maser line widths. <i>Astrophysical Journal</i> , 1990, 350, L17.	1.6	8
92	SUBARU SPECTROSCOPY AND SPECTRAL MODELING OF CYGNUS A. <i>Astrophysical Journal</i> , 2014, 788, 6.	1.6	7
93	Two-temperature pumping of H ₂ O masers. <i>Astrophysical Journal</i> , 1989, 347, L35.	1.6	7
94	The Structure of Winds in AGB Stars. <i>Astrophysics and Space Science Library</i> , 2003, , 265-273.	1.0	6
95	Index of Refraction of Plasma in Motion. <i>Astrophysical Journal</i> , 1974, 190, 673.	1.6	4
96	On the current status of maser polarization theory. <i>Astrophysical Journal</i> , 1995, 440, 345.	1.6	4
97	Effect of elastic collisions on the frequency distribution of astrophysical maser radiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 162, 137-143.	0.9	3
98	Spectral Line and Continuum Radiation Propagation in a Clumpy Medium. <i>Astrophysics and Space Science</i> , 2005, 295, 319-324.	0.5	3
99	Continuum and Spectral Line Radiation from a Random Clumpy Medium. <i>Astrophysical Journal</i> , 2018, 865, 70.	1.6	3
100	Astronomical Masers and their Polarization. , 2001, , 225-264.		2
101	NGC7538 Irs1 N: Modeling a Circumstellar Maser Disk. <i>Astrophysics and Space Science</i> , 2005, 295, 231-236.	0.5	2
102	A Thin Ring Model for the Oh Megamaser in IIZW35. <i>Astrophysics and Space Science</i> , 2005, 295, 325-330.	0.5	2
103	Hindered growth. <i>Journal of Economic Dynamics and Control</i> , 2020, 111, 103807.	0.9	2
104	The impact of policy timing on the spread of COVID-19. <i>Infectious Disease Modelling</i> , 2021, 6, 942-954.	1.2	2
105	Fluctuations in astronomical masers. <i>Astrophysical Journal</i> , 1991, 370, L45.	1.6	2
106	Masers in the Interstellar Medium. <i>Astrophysics and Space Science Library</i> , 1987, , 762-780.	1.0	2
107	Masers. <i>Astrophysics and Space Science Library</i> , 1999, , 127-142.	1.0	2
108	Feynman's Relation for Particle Production near the Boundary of Phase Space. <i>Physical Review D</i> , 1971, 4, 910-912.	1.6	1

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109	Water Maser Emission from Dusty Clouds in AGNs. International Astronomical Union Colloquium, 1997, 163, 738-739.	0.1	1
110	Line formation in the hot SPOT region of cataclysmic variable accretion disks. Astrophysical Journal, 1988, 324, 405.	1.6	1
111	Coherence and incoherence in astronomical masers. Lecture Notes in Physics, 1993, , 33-36.	0.3	1
112	AN ANALYSIS OF THE ORION SiO MASER. Annals of the New York Academy of Sciences, 1982, 395, 220-225.	1.8	0
113	Pumping of H2O Megamasers. Highlights of Astronomy, 1998, 11, 960-963.	0.0	0
114	Dust Emission from IRC+10216. Symposium - International Astronomical Union, 2000, 177, 399-404.	0.1	0
115	IR Emission from Dusty Winds " Scaling and Self-Similarity Properties. Symposium - International Astronomical Union, 2000, 177, 391-398.	0.1	0
116	Topics in basic maser theory. Symposium - International Astronomical Union, 2002, 206, 452-463.	0.1	0
117	Recent developments in maser theory. Proceedings of the International Astronomical Union, 2007, 3, 7-16.	0.0	0
118	A compact starburst ring traced by clumpy OH megamaser emission. Proceedings of the International Astronomical Union, 2007, 3, 457-461.	0.0	0
119	Science of active galactic nuclei with the GTC and CanariCam. Proceedings of SPIE, 2008, , .	0.8	0
120	Water masers in the Kronian system. Proceedings of the International Astronomical Union, 2009, 5, 147-150.	0.0	0
121	Dusty Structure Around Type 1 AGNs. Proceedings of the International Astronomical Union, 2009, 5, 125-125.	0.0	0
122	New insights into the study of magnetic field in the clumpy torus of AGN using near-infrared polarimetry. Earth, Planets and Space, 2013, 65, 1117-1122.	0.9	0
123	AGN torus properties with WISE. Proceedings of the International Astronomical Union, 2013, 9, 56-60.	0.0	0
124	Infrared Classification of Young Stellar Objects. Globular Clusters - Guides To Galaxies, 1996, , 347-350.	0.1	0
125	A General Description of Growth Trends. Stats, 2022, 5, 111-127.	0.5	0