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	A General Description of Growth Trends. Stats, 2022, 5, 111-127.	0.5	0
2	The impact of policy timing on the spread of COVID-19. Infectious Disease Modelling, 2021, 6, 942-954.	1.2	2
3	Hindered growth. Journal of Economic Dynamics and Control, 2020, 111, 103807.	0.9	2
4	Counter-rotation and High-velocity Outflow in the Parsec-scale Molecular Torus of NGC 1068. Astrophysical Journal Letters, 2019, 884, L28.	3.0	71
5	MOLPOP-CEP: an exact, fast code for multi-level systems. Astronomy and Astrophysics, 2018, 616, A131.	2.1	10
6	Continuum and Spectral Line Radiation from a Random Clumpy Medium. Astrophysical Journal, 2018, 865, 70.	1.6	3
7	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
8	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
9	HIGH-VELOCITY BIPOLAR MOLECULAR EMISSION FROM AN AGN TORUS. Astrophysical Journal Letters, 2016, 829, L7.	3.0	90
10	Disc outflows and high-luminosity true type 2 AGN. Monthly Notices of the Royal Astronomical Society, 2016, 459, 585-594.	1.6	32
11	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
12	AN EMBEDDED ACTIVE NUCLEUS IN THE OH MEGAMASER GALAXY IRAS16399â€“0937. Astrophysical Journal, 2015, 799, 25.	1.6	17
13	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
14	THE DIFFERENCES IN THE TORUS GEOMETRY BETWEEN HIDDEN AND NON-HIDDEN BROAD LINE ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2015, 803, 57.	1.6	79
15	The meaning of WISE colours â€“ I. The Galaxy and its satellites. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3361-3379.	1.6	51
16	Evolution of broad-line emission from active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3340-3351.	1.6	115
17	SUBARU SPECTROSCOPY AND SPECTRAL MODELING OF CYGNUS A. Astrophysical Journal, 2014, 788, 6.	1.6	7
18	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

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19	INTERSTELLAR H₂O MASERS FROM J SHOCKS. Astrophysical Journal, 2013, 773, 70.	1.6	67
20	CONSTRAINTS ON OH MEGAMASER EXCITATION FROM A SURVEY OF OH SATELLITE LINES. Astrophysical Journal, 2013, 774, 35.	1.6	11
21	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
22	AGN torus properties with WISE. Proceedings of the International Astronomical Union, 2013, 9, 56-60.	0.0	0
23	THE NUCLEAR INFRARED EMISSION OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI. Astronomical Journal, 2012, 144, 11.	1.9	59
24	ON THE UNIFICATION OF ACTIVE GALACTIC NUCLEI. Astrophysical Journal Letters, 2012, 747, L33.	3.0	157
25	Rotating discs and non-kinematic double peaks. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1394-1402.	1.6	11
26	DUSTY TORI OF LUMINOUS TYPE 1 QUASARS ATzâ¼ 2. Astrophysical Journal, 2011, 729, 108.	1.6	41
27	EMISSION FROM HOT DUST IN THE INFRARED SPECTRA OF GAMMA-RAY BRIGHT BLAZARS. Astrophysical Journal, 2011, 732, 116.	1.6	73
28	TORUS AND ACTIVE GALACTIC NUCLEUS PROPERTIES OF NEARBY SEYFERT GALAXIES: RESULTS FROM FITTING INFRARED SPECTRAL ENERGY DISTRIBUTIONS AND SPECTROSCOPY. Astrophysical Journal, 2011, 736, 82.	1.6	184
29	LUMINOSITY-VARIATION INDEPENDENT LOCATION OF THE CIRCUM-NUCLEAR, HOT DUST IN NGC 4151. Astrophysical Journal, 2010, 715, 736-742.	1.6	48
30	Dusty winds - II. Observational implications. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	9
31	INFRARED DIAGNOSTICS FOR THE EXTENDED 12 Î¼m SAMPLE OF SEYFERTS. Astrophysical Journal, 2010, 710, 289-308.	1.6	40
32	INFRARED SPECTRAL ENERGY DISTRIBUTIONS OF SEYFERT GALAXIES: SPITZER SPACE TELESCOPE OBSERVATIONS OF THE 12 Î¼m SAMPLE OF ACTIVE GALAXIES. Astrophysical Journal, Supplement Series, 2010, 187, 172-211.	3.0	61
33	DUSTY STRUCTURE AROUND TYPE-I ACTIVE GALACTIC NUCLEI: CLUMPY TORUS NARROW-LINE REGION AND NEAR-NUCLEUS HOT DUST. Astrophysical Journal, 2009, 705, 298-313.	1.6	193
34	ON THE DISAPPEARANCE OF THE BROAD-LINE REGION IN LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2009, 701, L91-L94.	1.6	154
35	DETECTIONS OF WATER ICE, HYDROCARBONS, AND 3.3 Î¼m PAH INzâ¼ 2 ULIRGs. Astrophysical Journal, 2009, 703, 270-284.	1.6	30
36	Water masers in the Kronian system. Proceedings of the International Astronomical Union, 2009, 5, 147-150.	0.0	0

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37	Dusty Structure Around Type 1 AGNs. Proceedings of the International Astronomical Union, 2009, 5, 125-125.	0.0	0
38	ON THE 10 Î¼m SILICATE FEATURE IN ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2009, 707, 1550-1559.	1.6	98
39	The toroidal obscuration of active galactic nuclei. New Astronomy Reviews, 2008, 52, 274-288.	5.2	103
40	Science of active galactic nuclei with the GTC and CanariCam. Proceedings of SPIE, 2008, , .	0.8	0
41	Silicates in Ultraluminous Infrared Galaxies. Astrophysical Journal, 2008, 678, 729-743.	1.6	72
42	Excitedâ€State OH Masers and Supernova Remnants. Astrophysical Journal, 2008, 676, 371-377.	1.6	23
43	AGN Dusty Tori. I. Handling of Clumpy Media. Astrophysical Journal, 2008, 685, 147-159.	1.6	458
44	The Effect of 53 Î¼m IR Radiation on 18 cm OH Megamaser Emission. Astrophysical Journal, 2008, 677, 985-992.	1.6	32
45	AGN Dusty Tori. II. Observational Implications of Clumpiness. Astrophysical Journal, 2008, 685, 160-180.	1.6	606
46	An Investigation into the Effects of Luminosity on the Midâ€Infrared Spectral Energy Distributions of Radioâ€quiet Quasars. Astrophysical Journal, 2007, 661, 30-37.	1.6	33
47	SpitzerIRS 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
48	The Distribution of Silicate Strength in Spitzer Spectra of AGNs and ULIRGs. Astrophysical Journal, 2007, 655, L77-L80.	1.6	152
49	Dust and PAH Emission in the Starâ€forming Active Nucleus of NGC 1097. Astrophysical Journal, 2007, 659, 241-249.	1.6	26
50	The Midâ€Infrared Emission of M87. Astrophysical Journal, 2007, 663, 808-815.	1.6	49
51	Gemini Mid-IR Polarimetry of NGC 1068: Polarized Structures around the Nucleus. Astrophysical Journal, 2007, 661, L29-L32.	1.6	31
52	Recent developments in maser theory. Proceedings of the International Astronomical Union, 2007, 3, 7-16.	0.0	0
53	A compact starburst ring traced by clumpy OH megamaser emission. Proceedings of the International Astronomical Union, 2007, 3, 457-461.	0.0	0
54	The AGN-obscuring Torus: The End of the "Doughnut" Paradigm?. Astrophysical Journal, 2006, 648, L101-L104.	1.6	383

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55	Spatially Resolved Midâ€Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. Astrophysical Journal, 2006, 640, 612-624.	1.6	106
56	SpitzerIRS Spectra of a Large Sample of Seyfert Galaxies: A Variety of Infrared Spectral Energy Distributions in the Local Active Galactic Nucleus Population. Astronomical Journal, 2006, 132, 401-419.	1.9	123
57	Nearâ€Infrared and the Inner Regions of Protoplanetary Disks. Astrophysical Journal, 2006, 636, 348-361.	1.6	56
58	Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. Astrophysical Journal, 2006, 648, L39-L42.	1.6	47
59	A new exact method for line radiative transfer. Monthly Notices of the Royal Astronomical Society, 2006, 365, 779-791.	1.6	50
60	The obscuring torus in AGN. New Astronomy Reviews, 2006, 50, 728-731.	5.2	29
61	NGC7538 Irs1 N: Modeling a Circumstellar Maser Disk. Astrophysics and Space Science, 2005, 295, 231-236.	0.5	2
62	Spectral Line and Continuum Radiation Propagation in a Clumpy Medium. Astrophysics and Space Science, 2005, 295, 319-324.	0.5	3
63	A Thin Ring Model for the Oh Megamaser in Iiizw35. Astrophysics and Space Science, 2005, 295, 325-330.	0.5	2
64	ASTRONOMY: Masers in the Sky. Science, 2005, 309, 71-72.	6.0	8
65	Bipolar outflow on the asymptotic giant branch â€“ the case of IRC+10011. Monthly Notices of the Royal Astronomical Society, 2004, 352, 852-862.	1.6	31
66	A Circumstellar Disk in a High-Mass Star-forming Region. Astrophysical Journal, 2004, 603, L113-L116.	1.6	59
67	Discs and haloes in pre-main-sequence stars. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1151-1161.	1.6	56
68	The Flaring H2O Megamaser and Compact Radio Source in Markarian 348. Astrophysical Journal, 2003, 590, 149-161.	1.6	80
69	The Structure of Winds in AGB Stars. Astrophysics and Space Science Library, 2003, , 265-273.	1.0	6
70	Dust Emission from Active Galactic Nuclei. Astrophysical Journal, 2002, 570, L9-L12.	1.6	389
71	Topics in basic maser theory. Symposium - International Astronomical Union, 2002, 206, 452-463.	0.1	0
72	Astronomical Masers and their Polarization. , 2001, , 225-264.		2

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73	Dusty winds -- I. Self-similar solutions. Monthly Notices of the Royal Astronomical Society, 2001, 327, 403-421.	1.6	98
74	Water and Dust Emission from W Hydrae. Astrophysical Journal, 2000, 544, L137-L140.	1.6	27
75	Dust Emission from IRC+10216. Symposium - International Astronomical Union, 2000, 177, 399-404.	0.1	0
76	IR Emission from Dusty Winds â€" Scaling and Self-Similarity Properties. Symposium - International Astronomical Union, 2000, 177, 391-398.	0.1	0
77	Infrared Classification of Galactic Objects. Astrophysical Journal, 2000, 534, L93-L96.	1.6	12
78	Megamaser Disks in Active Galactic Nuclei. Astrophysical Journal, 1999, 513, 180-196.	1.6	64
79	Dust Emission from Herbig A[CLC]e[/CLC]/B[CLC]e[/CLC] Stars: Evidence for Disks and Envelopes. Astrophysical Journal, 1999, 520, L115-L118.	1.6	67
80	OH 1720 Megahertz Masers in Supernova Remnants: Câ€Shock Indicators. Astrophysical Journal, 1999, 511, 235-241.	1.6	133
81	Masers. Astrophysics and Space Science Library, 1999, , 127-142.	1.0	2
82	Pumping of H2O Megamasers. Highlights of Astronomy, 1998, 11, 960-963.	0.0	0
83	Polarization of Astronomical Maser Radiation. IV. Circular Polarization Profiles. Astrophysical Journal, 1998, 504, 390-395.	1.6	29
84	On Protostellar Disks in Herbig Ae[solm0]Be Stars. Astrophysical Journal, 1997, 475, L41-L44.	1.6	44
85	Water Maser Emission from Dusty Clouds in AGNs. International Astronomical Union Colloquium, 1997, 163, 738-739.	0.1	1
86	Infrared imaging of late-type stars. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1011-1018.	1.6	14
87	Dust emission from IRC+10216. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1019-1025.	1.6	29
88	Polarization of Astronomical Maser Radiation. III. Arbitrary Zeeman Splitting and Anisotropic Pumping. Astrophysical Journal, 1996, 457, 415.	1.6	88
89	Infrared Classification of Young Stellar Objects. Globular Clusters - Guides To Galaxies, 1996, , 347-350.	0.1	0
90	Masers in the Sky. Scientific American, 1995, 272, 68-74.	1.0	15

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91	On the current status of maser polarization theory. Astrophysical Journal, 1995, 440, 345.	1.6	4
92	Infrared emission and dynamics of outlfows in late-type stars. Astrophysical Journal, 1995, 445, 415.	1.6	129
93	On the theory of astronomical masers in three dimensions. Astrophysical Journal, 1994, 422, 751.	1.6	13
94	A protostellar jet model for the water masers in W49N. Astrophysical Journal, 1994, 427, 914.	1.6	25
95	A shock origin for interstellar H2O masers. Lecture Notes in Physics, 1993, , 159-163.	0.3	9
96	The dynamics of stellar outflows dominated by interaction of dust and radiation. Astrophysical Journal, 1993, 410, 701.	1.6	88
97	Polarization of Astronomical Maser Radiation. II. Polarization Modes and Unsaturated Growth. Astrophysical Journal, 1993, 416, 256.	1.6	11
98	Coherence and incoherence in astronomical masers. Lecture Notes in Physics, 1993, , 33-36.	0.3	1
99	Astronomical Masers. Annual Review of Astronomy and Astrophysics, 1992, 30, 75-112.	8.1	148
100	Effect of elastic collisions on the frequency distribution of astrophysical maser radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 162, 137-143.	0.9	3
101	Astronomical Masers. Astrophysics and Space Science Library, 1992, , .	1.0	242
102	Planar H2O masers in star-forming regions. Astrophysical Journal, 1992, 394, 221.	1.6	58
103	Modeling SiO maser emission from late-type stars. Astrophysical Journal, 1992, 399, 704.	1.6	65
104	Water masers in W49N - The youngest stellar jet?. Astrophysical Journal, 1992, 393, L33.	1.6	13
105	Radio-continuum observations of a variety of cool stars. Astronomical Journal, 1991, 101, 230.	1.9	17
106	Radiative transfer in astronomical masers. III - Filamentary masers. Astrophysical Journal, 1991, 367, 333.	1.6	15
107	Polarization of astronomical maser radiation. Astrophysical Journal, 1991, 370, 407.	1.6	24
108	Fluctuations in astronomical masers. Astrophysical Journal, 1991, 370, L45.	1.6	2

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109	Radiative transfer in astronomical masers. I - The linear maser. II - Three-dimensional masers. Astrophysical Journal, 1990, 363, 628.	1.6	18
110	Maser line widths. Astrophysical Journal, 1990, 350, L17.	1.6	8
111	An escape probability treatment of line fluorescence and overlap in astrophysics. Astrophysical Journal, 1989, 344, 525.	1.6	12
112	H2O masers in star-forming regions. Astrophysical Journal, 1989, 346, 983.	1.6	243
113	On the onset of mass loss in late-type stars. Astrophysical Journal, 1989, 341, L95.	1.6	13
114	Two-temperature pumping of H2O masers. Astrophysical Journal, 1989, 347, L35.	1.6	7
115	Line formation in the hot SPOT region of cataclysmic variable accretion disks. Astrophysical Journal, 1988, 324, 405.	1.6	1
116	A radio-continuum survey of the coolest M and C giants. Astronomical Journal, 1987, 94, 1280.	1.9	13
117	Masers in the Interstellar Medium. Astrophysics and Space Science Library, 1987, , 762-780.	1.0	2
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119	AN ANALYSIS OF THE ORION SiO MASER. Annals of the New York Academy of Sciences, 1982, 395, 220-225.	1.8	0
120	Inversion of the OH 1720-MHz Line. Astrophysical Journal, 1976, 203, 124.	1.6	95
121	Index of Refraction of Plasma in Motion. Astrophysical Journal, 1974, 190, 673.	1.6	4
122	Scaling for Hadronic Form Factors. Physical Review Letters, 1971, 27, 895-898.	2.9	17
123	Finite-Energy Sum Rules and Inelastic Electron Scattering. Physical Review D, 1971, 3, 2166-2171.	1.6	36
124	Feynman's Relation for Particle Production near the Boundary of Phase Space. Physical Review D, 1971, 4, 910-912.	1.6	1
125	Electromagnetic mass differences and inelastic electron scattering. Annals of Physics, 1970, 56, 81-107.	1.0	55