

# JosÃ© A Lopez

## List of Publications by Year in descending order

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63  
papers

1,292  
citations

304743

22  
h-index

395702

33  
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63  
all docs

63  
docs citations

63  
times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetically Driven Winds from Post-Asymptotic Giant Branch Stars: Solutions for High-Speed Winds and Extreme Collimation. <i>Astrophysical Journal</i> , 2005, 618, 919-925.	4.5	89
2	The Real-Time Stellar Evolution of Sakurai's Object. <i>Science</i> , 2005, 308, 231-233.	12.6	81
3	Three-dimensional Magnetohydrodynamic Modeling of Planetary Nebulae. II. The Formation of Bipolar and Elliptical Nebulae with Point-Symmetric Structures and Collimated Outflows. <i>Astrophysical Journal</i> , 2000, 544, 336-346.	4.5	64
4	The Morphology and Kinematics of the Complex Polypolar Planetary Nebula NGC 2440. <i>Astrophysical Journal</i> , 1998, 493, 803-810.	4.5	62
5	Late AGB Magnetic Cycles: Magnetohydrodynamic Solutions for the Hubble Space Telescope Planetary Nebula Rings. <i>Astrophysical Journal</i> , 2001, 560, 928-933.	4.5	47
6	Mass Loss and Jet Outflow in the Orion Nebula Proplyd LV 2. <i>Astrophysical Journal</i> , 2002, 566, 315-331.	4.5	45
7	Proof of polar ejection from the close-binary core of the planetary nebula Abell 63. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 1404-1412.	4.4	45
8	The creation of the Helix planetary nebula (NGC 7293) by multiple events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 963-973.	4.4	41
9	Hubble-type outflows of the high-excitation poly-polar planetary nebula NGC 6302 - from expansion proper motions. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 385, 269-273.	4.4	37
10	The Dynamical Evolution of Planetary Nebulae after the Fast Wind. <i>Astrophysical Journal</i> , 2006, 646, L61-L64.	4.5	34
11	Abell 41: shaping of a planetary nebula by a binary central star.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 2312-2318.	4.4	32
12	A DETAILED MORPHO-KINEMATIC MODEL OF THE ESKIMO, NGC 2392: A UNIFYING VIEW WITH THE CAT'S EYE AND SATURN PLANETARY NEBULAE. <i>Astrophysical Journal</i> , 2012, 761, 172.	4.5	31
13	The Hubble-Type Outflows from the High-Excitation, Polypolar Planetary Nebula NGC 6302. <i>Astronomical Journal</i> , 2005, 130, 2303-2311.	4.7	29
14	THE OUTFLOWS AND THREE-DIMENSIONAL STRUCTURE OF NGC 6337: A PLANETARY NEBULA WITH A CLOSE BINARY NUCLEUS. <i>Astrophysical Journal</i> , 2009, 699, 1633-1638.	4.5	29
15	Unusual radio and optical structures in the Seyfert galaxy Markarian 6. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 280, 1283-1292.	4.4	28
16	Deep H $\alpha$ imagery of the Eridanus shells. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 320, 61-65.	4.4	27
17	Deep optical observations of the interaction of the SS 433 microquasar jet with the W50 radio continuum shell. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 308-318.	4.4	26
18	The Kinematics of the Extensive Bipolar Lobes and Symmetric Knots of the Planetary Nebula K $\rho$ n 8 (PK) Tj ETQq0 0.0,rgBT /Overlock 10	4.5	26

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19	The enigma of the oldest "nova": the central star and nebula of CK Vul. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1298-1308.	4.4	25
20	A wind-shell interaction model for multipolar planetary nebulae. Monthly Notices of the Royal Astronomical Society, 2013, 436, 470-478.	4.4	25
21	The emergence of a neutral Herbig-Haro jet into a photoionized nebula. Monthly Notices of the Royal Astronomical Society, 2000, 314, 681-688.	4.4	24
22	FLIERs as Stagnation Knots from Post-AGB Winds with Polar Momentum Deficiency. Astrophysical Journal, 2001, 556, 823-829.	4.5	23
23	On the Velocity Structure in Clumpy Planetary Nebulae. Astrophysical Journal, 2004, 612, 319-331.	4.5	23
24	H $\pm$ line profiles for a sample of supergiant HII regions. Astronomy and Astrophysics, 2006, 455, 539-547.	5.1	22
25	MORPHO-KINEMATIC ANALYSIS OF THE POINT-SYMMETRIC, BIPOLAR PLANETARY NEBULAE Hb 5 AND K 3-17, A PATHWAY TO POLY-POLARITY. Astrophysical Journal, 2012, 750, 131.	4.5	22
26	The Acceleration of the Nebular Shells in Planetary Nebulae in the Milky Way Bulge. Astrophysical Journal, 2008, 689, 203-212.	4.5	21
27	THE EVOLUTION OF THE KINEMATICS OF NEBULAR SHELLS IN PLANETARY NEBULAE IN THE MILKY WAY BULGE. Astrophysical Journal, 2010, 716, 857-865.	4.5	19
28	Multiwavelength Observations of the Peculiar Planetary Nebula IC 2149. Astrophysical Journal, 2002, 576, 860-869.	4.5	19
29	Jets and the Shaping of the Giant Bipolar Envelope of the Planetary Nebula KJ Pn 8. Astrophysical Journal, 1998, 508, 696-706.	4.5	18
30	The Planetary Nebula NGC 1360: A Test Case of Magnetic Collimation and Evolution after the Fast Wind. Astrophysical Journal, 2008, 676, 402-407.	4.5	18
31	The structure of the compact planetary nebulae Cn 3-1 and M 3-27 and their extended haloes. Monthly Notices of the Royal Astronomical Society, 1997, 288, 777-786.	4.4	17
32	Optical line profiles of the Helix planetary nebula (NGC 7293) to large radii. Monthly Notices of the Royal Astronomical Society, 0, 384, 497-503.	4.4	17
33	Bipolar, Collimated Outbursts in the Planetary Nebula Hb 4. Astrophysical Journal, 1997, 485, 697-702.	4.5	16
34	A high-speed bipolar outflow from the archetypical pulsating star Mira A. Astronomy and Astrophysics, 2009, 500, 827-831.	5.1	16
35	J320 (PN G190.3+17.7) as a poly-polar planetary nebula surrounded by point-symmetric knots. Monthly Notices of the Royal Astronomical Society, 2004, 348, 1047-1054.	4.4	15
36	High-speed knots in the hourglass-shaped planetary nebula Hubble 12. Monthly Notices of the Royal Astronomical Society, 2009, 398, 385-393.	4.4	15

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37	The complex kinematical properties of the HH objects aligned with the HL Tauri and HH 30 outflows. Monthly Notices of the Royal Astronomical Society, 1996, 282, 470-476.	4.4	14
38	Spectrophotometry of the planetary nebula KjPn 8. Monthly Notices of the Royal Astronomical Society, 1998, 296, 564-568.	4.4	13
39	SHAPING THE GLOWING EYE PLANETARY NEBULA, NGC 6751. Astrophysical Journal, 2010, 722, 1260-1268.	4.5	13
40	The kinematics of the bi-lobal supernova remnant GÂ65.3+5.7. II.. Astronomy and Astrophysics, 2004, 424, 583-588.	5.1	13
41	The bipolarity of the highest Galactic latitude planetary nebula, LoTr 5 (PN G339.9+88.4), around IN Com. Monthly Notices of the Royal Astronomical Society, 2004, 347, 1370-1378.	4.4	11
42	The kinematics of NGC 4361, a Population II planetary nebula with a bipolar outflow. Monthly Notices of the Royal Astronomical Society, 1999, 308, 939-946.	4.4	10
43	Candidates for giant lobes projecting from the LBV stars PÂCygni and RÂ143. Astronomy and Astrophysics, 2004, 422, 603-608.	5.1	10
44	H $\alpha$ line profiles for a sample of supergiant HII regions. Astronomy and Astrophysics, 2006, 455, 549-559.	5.1	10
45	The ejecta from the luminous blue variable star P Cygni. Monthly Notices of the Royal Astronomical Society, 2000, 318, 561-572.	4.4	9
46	The Complex Environment of the High-Excitation Planetary Nebula NGC 3242. Astrophysical Journal, Supplement Series, 2000, 128, 321-334.	7.7	9
47	THE KINEMATICS OF THE NEBULAR SHELLS AROUND LOW MASS PROGENITORS OF PNe WITH LOW METALLICITY*. Astronomical Journal, 2016, 151, 53.	4.7	8
48	The kinematics of the most oxygen-poor planetary nebula PN GÂ135.9+55.9. Astronomy and Astrophysics, 2003, 410, 911-916.	5.1	7
49	FRIDA: integral-field spectrograph and imager for the adaptive optics system of the Gran Telescopio Canarias. , 2006, , .		7
50	VLA observations at 7 mm of the planetary nebula IC 4997. Monthly Notices of the Royal Astronomical Society, 2002, 336, 1139-1142.	4.4	6
51	H $\pm$ line profiles for a sample of supergiant HII regions. Astronomy and Astrophysics, 2007, 467, 603-610.	5.1	6
52	The five axes of the Turtle: symmetry and asymmetry in NGCÂ6210. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1070-1094.	4.4	5
53	Photoionized gaseous nebulae and magnetized stellar winds: The evolution and shaping of HII regions and planetary nebulae. Physics of Plasmas, 2001, 8, 2432-2438.	1.9	3
54	The kinematics of the large western knot in the halo of the young planetary nebula NGC 6543. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1286-1294.	4.4	3

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55	Confirmation of a Stellar Microjet in the Rosette HiiRegion (NGC 2244). <i>Astronomical Journal</i> , 2005, 130, 730-733.	4.7	2
56	The structures and kinematics of planetary nebulae with close-binary central stars. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 139.	0.0	2
57	Morpho-kinematic modeling of planetary nebulae with SHAPE. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 517.	0.0	2
58	Uniformity Despite Diversity: PN Expansion Velocities in the Local Group. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
59	The SPM Kinematic Catalogue of Planetary Nebulae. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 21.	0.0	0
60	The Dynamical Evolution of Planetary Nebulae After the Fast Wind. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 399.	0.0	0
61	New Planetary Nebulae towards the Galactic bulge. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 373.	0.0	0
62	Morpho-Kinematic Analysis of PNe with Intense [N II] and [S II] Emission Lines. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 491.	0.0	0
63	Deconstructing the Characteristics of the Ionized Gas Component in Planetary Nebulae From Their Internal Motions. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	0