

Curriculum Vitae Leonardo Testi

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Degrees:

Ph.D. in Astronomy, awarded in February 1997, Università degli Studi di Firenze;
“Laurea in fisica”, June 7th 1993, full quotation cum laude, Università degli Studi di Firenze.

Positions:

Full Astronomer, European ALMA Project Scientist, European Southern Observatory, May 2007
– present

Astronomo Associato, Istituto Nazionale di Astrofisica, May 2003 – present

Ricercatore Astronomo, Osservatorio Astrofisico di Arcetri, July 1998 – May 2003

Postdoctoral Scholar, California Institute of Technology, May 1997 - February 1999

Positions held in working groups and science policy committees:

INAF Consiglio Scientifico, Member (2005–2007; 2008–)

Hubble Space Telescope Time Allocation Committee, Panel Member (2008)

ASTRONET Science Vision Working Group, Member (2006–2007)

ESO Scientific Technical Committee, Member (2006–2007)

ALMA Science Advisory Committee, Member (2003–2007), Chairman (2005)

ALMA European Science Advisory Committee, Member (2003–2007), Chairman (2006)

VSI/VLTI Science Working Group, Member (2005–2008)

AMBER/VLTI Science Working Group, Member (2001–2007)

ESO Observing Programme Committee, Panel C Member (2002–2004), Member-at-large (2004)

Spitzer Space Telescope Observing Programme Committee, Panel 4, Member (2004)

NASA Origins of Solar System Review Panel, Observations Subpanel, Member (1999)

OVRO millimeter array Time Allocation Committee, Member (1997–1999)

Main research interests

My main scientific activities are related to observational studies of the formation and early evolution of stars and stellar clusters, the formation of substellar objects and the properties and evolution of circumstellar disks.

Primary objectives are: i) the identification of massive protostars and the study of the formation and early evolution of young stellar clusters; ii) compare the properties of massive star formation clouds in our Galaxy with nearby galaxies; iii) the determination of the distribution of pre-stellar core masses in cluster regions, through mm continuum and molecular line interferometric mosaicing; iv) the study at infrared wavelengths of young brown dwarfs with the goal of constraining their formation mechanism; v) the structure and physical properties of circumstellar disks probed at high angular resolution with near infrared adaptive optics and interferometric techniques; vi) the study of dust emission properties in the infrared through the mm and cm wavebands with the goal of constraining its evolution in circumstellar disks leading to the formation of planetesimals.

The formation of massive stars and stellar clusters is being primarily investigated by means of detailed studies of individual objects as well as large surveys from infrared through the millimeter wavebands. We are involved in galactic plane surveys (e.g. [A112], [A118]) with Spitzer (MIPSGAL), the Herschel satellite (GT and open time key programmes) and APEX (in collaboration with the MPIfR). These surveys will allow us to overcome many of the limitations of the IRAS survey (which is severely limited by confusion in the inner galactic plane) and will allow us to obtain a global picture of high mass star formation throughout the Galaxy. These surveys are also likely to become an essential

legacy for detailed studies of high mass star forming regions that will be carried on with ALMA. In this context, starting from the IRAS and other surveys, we have been actively involved in constraining the formation mechanism of high mass stars. Some of the most relevant results concern the connection between clusters and intermediate- to high-mass stars (e.g. [A23], [A75]) and the detection of infalling torii rotating about massive proto-stars ([A84]).

The study of young protoclusters has also revealed to be an essential benchmark for testing our global understanding of the star formation process. Our extensive mm-wave mapping of Serpens has shown that the mass function of prestellar cores in this protocluster is consistent with the field star IMF, suggesting that cloud fragmentation could be the mechanism that defines the final mass of the forming stars ([A21]). A similar result was also found for high mass star forming regions ([A77]). The importance of initial conditions for the formation and early evolution of clusters was also inferred from a detailed study of the accretion properties of large sample of stars in the Taurus and Ophiuchus star forming regions ([A82],[A83]). These studies have now been performed in a few nearby star forming regions and results have been confirmed by a number of other groups, the challenge is now to extend these observations to different environments, such as massive clusters in the inner regions of the galaxy or very-low metallicity star forming regions in an extragalactic context. Such studies will require the full ALMA sensitivity and spatial resolution. We have recently started a project aimed at a detailed comparison of the molecular clouds properties between galactic high mass star forming complexes and extragalactic starburst phenomena in the local universe, observed at comparable linear resolution (e.g. [A114]).

In more recent years I shifted my interest in the study of the structure and evolution of circumstellar disks and their role in the formation of stars and planetary systems. Our observations and modeling of disks around young substellar objects suggest that these are scaled down version of solar-type young stars and that, most likely, these tiny objects forms as a result of a similar mechanisms than the one that produces stars ([A40],[A43]). This view is also supported by our studies of disk accretion in the substellar regime ([A69],[A97]) and by our detection of outflowing gas from a young substellar system ([A74]). Obvious steps forward in this area will be the detection of substellar disks in the far infrared and with millimeter interferometers to accurately measure disk mass, gas content and size of the disks. We are currently engaged in this areas with approved and proposed programs at the IRAM interferometer and the Herschel space observatory (also using our GTO).

The evolution of disks and the initial steps toward the formation of planetary systems has been investigated studying the dust properties, and especially the size of the dust grains on the disk midplane, by means of millimeter and centimeter high resolution observations of disks surrounding intermediate mass pre-main sequence stars. We have been able to show that some of these disks are populated with a significant amount of dust grains grown to the size of pebbles ([A37],[A56],[A63]). That grains much larger than those found in the interstellar medium have to be present on the disk midplane has also been confirmed by independent observations of the disk inner regions, obtained with infrared interferometers ([A81]). The large grains we have detected may be the direct precursors of planetesimals and eventually planets. As usual our initial findings have prompted many new questions that can and need to be addressed in the coming years both on observational and theoretical grounds. We are currently engaged in observational programmes at the VLA, SMA, ATCA and the IRAM PdBI to assess how common is grain growth in circumstellar disks and on which timeline this process occurs, and to derive the radial variations of grain properties in disks. All these are necessary ingredients to set the stage for planet formation theories.

Complete list of refereed publications:

In this section I am just providing the list of refereed publications and some limited statistics on these as derived from ADS. If required, I can provide detailed information on non-refereed publications, contributed and invited talks, colloquia and lecture series. The total number of refereed papers is 116 printed, 2 in press, 2 submitted at the time of writing; of the 116 printed papers, I am first author of 18 of them, 6 have more than 100 citations (of 2 of these I am first author), the h index is 34.

- [A1] **Testi L.**, Felli M., Persi P., & Roth M. 1994, “*Near infrared images of galactic masers: I. Association between infrared sources and masers*”, A&A, 288, 634
- [A2] Palla F., **Testi L.**, Hunter T.R., Taylor G.B., Prusti T., Felli F., Natta A., and Stanga R.M., 1995, “*The active source in the region of the Herbig star BD+40°412*”, A&A, 293, 521
- [A3] Hunter T.R., **Testi L.**, Taylor G.B., Tofani G., Felli M., & Phillips T.G., 1995, “*A multiwavelength picture of the AFGL5142 star-forming region*”, A&A, 302, 249
- [A4] **Testi L.**, Olmi L., Hunt L.K., Tofani G., Felli M., & Goldsmith P. 1995, “*stimulated star formation in the Cepheus molecular cloud: the S155/Cepheus B interface*”, A&A, 303, 881
- [A5] Hunt L.K., Lisi F., **Testi L.**, Baffa C., Borelli S., Maiolino R., Moriondo G., & Stanga R.M., 1996, “*ARNICA, the Arcetri near-infrared camera: Astronomical performance assesment*”, A&AS, 115, 181
- [A6] Persi P., Roth M., Tapia M., Marenzi A.R., Felli M., **Testi L.**, Ferrari-Toniolo M., 1996, “*Shocked molecular hydrogen emission in the bipolar outflow NGC 6334 F*”, A&A, 307, 591
- [A7] Perault M., Omont A., Simon G., Seguin P., Ojha D., Blommaert J., Felli M., Gilmore G., Guglielmo F., Habing H., Price S., Robin A., de Batz B., Cesarsky C., Elbaz D., Epchtein N., Fouque P., Guest S., Levine D., Pollock A., Prusti T., Siebenmorgen R., **Testi L.**, and Tiphene, 1996, “*First ISOCAM image in the Milky Way*” A&A, 315, L165
- [A8] **Testi L.**, Felli M., Perault M., Seguin P., Omont A., Comoretto G. , Gilmore G., 1997, “*Detection of young stellar objects with ISO*”, A&A, 318, L13
- [A9] **Testi L.**, Palla F., Prusti T., Natta A., Maltagliati S., 1997, “*A search for clustering around Herbig Ae/Be stars.*”, A&A, 320, 159
- [A10] Felli M., **Testi L.**, Valdetaro R., Wang J.-J., 1997, “*Star formation in the S235 A–B complex*”, A&A, 320, 549
- [A11] Codella C., **Testi L.**, Cesaroni R., 1997, “*The molecular environment of H₂O masers: VLA ammonia observations*”, A&A, 325, 282
- [A12] Cesaroni R., Felli M., **Testi L.**, Walmsley C.M., Olmi L., 1997, “*The outflow–disk system around IRAS20126 + 4104*”, A&A, 325, 725
- [A13] Persi P., Felli M., Lagage P.O., Roth M., **Testi L.**, 1997, “*Sub-arcsec resolution images of the star forming region G 35.20–1.74*”, A&A, 327, 299
- [A14] **Testi L.**, Felli M., Persi P., Roth M., 1998, “*HII and hot dust emission around young massive stars in G 9.62+0.19*”, A&A, 329, 233
- [A15] Marconi A., **Testi L.**, Natta A., Walmsley C.M., 1998, “*Near infrared spectra of the Orion Bar*”, A&A, 330, 696

- [A16] **Testi L.**, Felli M., Persi P., Roth M., 1998, “*Near-infrared images of galactic masers. II Las Campanas observations of 31 southern sources*”, A&AS, 129, 495
- [A17] Vanzi L., Gennari S., Ciofini M., **Testi L.**, 1998, “*Characterization of Narrow Band Filters for Infrared Astronomy. The Br γ and H $_2$ filters*”, Experimental Astronomy, 8, 177
- [A18] Hunt L.K., Mannucci F., **Testi L.**, Migliorini S., Stanga R.M., Baffa C., Lisi F., Vanzi L., 1998, “*Northern JHK Standard Stars for Array Detectors*”, AJ, 115, 2594
- [A19] Molinari S., **Testi L.**, Brand J., Cesaroni R., Palla F., 1998, “*IRAS 23385+6053: a prototype massive class 0 object*”, ApJ, 505, L39
- [A20] Bally J., **Testi L.**, Sargent A.I., Carlstrom J., 1998, “*Disk Mass Limits and Lifetimes of Externally Illuminated Young Stellar Objects Embedded in the Orion Nebula*”, AJ, 116, 854
- [A21] **Testi L.** & Sargent A.I., 1998, “*Star formation in clusters: a survey of compact mm-wave sources in the Serpens core*”, ApJ, 508, L91
- [A22] **Testi L.**, Palla F., Natta A., 1998, “*A search for clustering around Herbig Ae/Be stars. II. Atlas of the observed sources*”, A&AS, 133, 81
- [A23] **Testi L.**, Palla F., Natta A., 1999, “*The onset of cluster formation around Herbig Ae/Be stars*”, A&A, 342, 515
- [A24] Vicini B., Natta A., Marconi A., **Testi L.**, Hollenbach D., Draine B.T., 1999, “*A Near infrared study of the planetary nebula NGC 2346*”, A&A, 342, 823
- [A25] Cesaroni R., Felli M., Jenness T., Neri R., Olmi L., Robberto M., **Testi L.**, Walmsley C.M., 1999, “*Unveiling the disk-jet system in the massive (proto)star IRAS 20126+4104*”, A&A, 345, 949
- [A26] Hunter T.R., **Testi L.**, Zhang Q., Sridharan T.K., 1999, “*Molecular Jets and H $_2$ O Masers in the AFGL 5142 Hot Core*”, AJ, 118, 477
- [A27] **Testi L.**, Felli M., Taylor G.B., 1999, “*Young massive stars in the ISOGAL survey I. VLA observations of the ISOGAL $l=+45$ field*”, A&AS, 138, 71
- [A28] Shepherd, D.S., Yu, K.-C., Bally, J., **Testi L.**, 2000, “*The Molecular Outflow and Precessing Jet from the Massive Young Stellar Object IRAS 20126+4104*”, ApJ, 535, 833
- [A29] Felli M., Comoretto G., **Testi L.**, Omont A., Schuller F., 2000, “*The search for YSOs from ISOGAL data. Application to the $l=+45^\circ$ field*”, A&A, 362, 199
- [A30] **Testi L.**, Sargent A.I., Olmi L., Onello J.S., 2000, “*Star formation in clusters: early sub-clustering in the Serpens core*”, ApJ, 540, L53
- [A31] **Testi L.**, Hofner P., Kurtz S., Rupen M., 2000, “*Detection of the thermal radio continuum emission from the G9.62+0.19-F Hot Core*”, A&A, 359, L5
- [A32] Walmsley C.M., Natta A., Oliva E., **Testi L.**, 2000, “*The structure of the Orion Bar*”, A&A, 364, 301
- [A33] Franco J., Kurtz S., Hofner P., **Testi L.**, Garcia-Segura G., Martos M., 2000, “*The Density Structure of Highly Compact HII Regions*”, ApJ, 542, L143
- [A34] Moro-Martín A., Noriega-Crespo A., Molinari S., **Testi L.**, Cernicharo J., Sargent A.I., 2000, “*Infrared and Millimetric Study of the Young Outflow Cepheus E*”, ApJ, 555, 146

- [A35] Maxia C., **Testi L.**, Cesaroni R., Walmsley C.M., 2001, “*The kinematics of molecular clumps surrounding hot cores in G29.96–0.02 and G31.41+0.31*”, A&A, 371, 282
- [A36] Codella C., Bachiller R., Nisini B., Saraceno P., **Testi L.**, 2001, “*Star formation in the bright rimmed globule IC1396N*”, A&A, 376, 271
- [A37] **Testi L.**, Natta A., Shepherd D.S., Wilner D.J., 2001, “*The protoplanetary disks around UX Ori-
onis and CQ Tauri*”, ApJ, 554, 1087
- [A38] Oliva E., Marconi A., Maiolino R., **Testi L.** et al 2001, “*NICS-TNG infrared spectroscopy of
NGC1068: the first extragalactic measurement of [PII] and a new tool to constrain the origin of
[FeII] line emission in galaxies*”, A&A, 369, L5
- [A39] **Testi L.**, D’Antona F., Ghinassi F., Licandro J., Magazzù A., Maiolino R., Mannucci F., Mar-
coni A., Nagar N., Natta A., Oliva E., 2001, “*NICS–TNG low–resolution 0.85–2.45 μ m spectra
of L-Dwarfs: a near-infrared spectral classification scheme for faint dwarfs*”, ApJ, 552, L147
- [A40] Natta A. & **Testi L.**, 2001, “*Exploring Brown Dwarf Disks*”, A&A, 376, L22
- [A41] Baffa C., Comoretto G., Gennari S., Lisi F., Oliva E., Biliotti V., Checcucci A., Gavrioussev V.,
Giani E., Ghinassi F., Hunt L.K., Maiolino R., Mannucci F., Marcucci G., Sozzi M., Stefanini
P., & **Testi L.**, 2001, “*NICS: The TNG Near Infrared Camera Spectrometer*”, A&A, 378, 722
- [A42] Molinari S., **Testi L.**, Rodríguez L.F., Zhang Q., 2002, “*The Formation of Massive Stars. I.
High Resolution Millimeter and Radio Study of High-Mass Protostellar Candidates*”, ApJ, 570,
758
- [A43] **Testi L.**, Natta A., Oliva E., D’Antona F., Comerón F., Baffa C., Comoretto G., Gennari S.,
2002, “*A Young Very Low-Mass Object surrounded by Warm Dust*”, ApJ, 571, L155
- [A44] Licandro J., Ghinassi F., **Testi L.**, 2002, “*Infrared spectroscopy of the largest known trans-
neptunian object 2001 KX76*”, A&A, 388, L9
- [A45] Furuya R., Cesaroni R., Codella C., **Testi L.**, Bachiller R., Tafalla M., 2002, “*G24.78+0.08: a
cluster of high-mass (proto)stars*”, A&A, 390, L1
- [A46] Felli M., **Testi L.**, Schuller F., Omont A., 2002, “*Young massive stars in the ISOGAL survey.
II. The catalogue of bright YSO candidates*”, A&A, 392, 971
- [A47] Olmi L. & **Testi L.**, 2002, “*Constraints on star formation theories from the Serpens molecular
cloud and protocluster*”, A&A, 392, 1053
- [A48] Natta A., **Testi L.**, Comerón F., Oliva E., D’Antona F., Baffa C., Comoretto G., Gennari S.,
2002, “*Exploring Brown Dwarf Disks in ρ -Oph*”, A&A 393, 597
- [A49] **Testi L.**, Bacciotti F., Sargent A.I., Ray T.P., Eislöffel J., 2002, “*The kinematic relationship
between disk and jet in the DG Tauri system*”, A&A, 394, L31
- [A50] Persi P., Tapia M., Roth M., Marenzi A.R., **Testi L.**, Vanzi L., 2003, “*Near and Mid-infrared
images of the massive star forming complex G9.62+0.19*”, A&A, 397, 227
- [A51] Schuller F., Ganesh S., Messineo M., Moneti A., Omont A., Simon G., Alard C., Blommaert
J., Schultheis M., Aracil B., Soive A., **Testi L.** 2003, “*Explanatory Supplement of the ISOGAL-
DENIS Point Source Catalogue*”, A&A, 403, 955

- [A52] Omont A., Gilmore G., Alard C., Aracil B., August T., Bégon S., Bertou X., Blommaert J., Borsenberger J., Burgdorf M., Caillaud B., Césarsky C., Chitre A., Copet E., de Batz B., Egan M., Egret D., Epchtein N., Felli M., Fouqué P., Ganesh S., Genzel R., Glass I., Gredel R., Groenewegen M., Guglielmo F., Habing H., Hennebelle P., Jiang B., Joshi U., Kimeswenger S., Messineo M., Miville-Deschênes, Moneti A., Morris M., Ojha D., Ortiz R., Ott S., Parthasarathy M., Pérault M., Price S., Robin A., Schultheis M., Schuller F., Simon G., Soive A., **Testi L.**, Teyssier D., Tiphène D., Unavane M., van Loon J., Wyse R. 2003, “*ISOGAL: an ISO $7\mu\text{m}$ and $15\mu\text{m}$ and DENIS deep survey of the obscured inner Milky Way*”, A&A, 403, 975
- [A53] Habart E., **Testi L.**, Natta A., Vanzi L. 2003, “*Mid-IR observations of small stellar clusters surrounding Herbig AeBe stars*”, A&A, 400, 575
- [A54] Shepherd D.S., **Testi L.**, Stark D.P. 2003, “*Clustered Star Formation in W75N*”, ApJ, 584, 882
- [A55] Cesaroni, R., Codella, C., Furuya, R. S., & **Testi, L.** 2003, “*Anatomy of a high-mass star forming cloud: The G24.78+0.08 (proto)stellar cluster*”, A&A, 401, 227
- [A56] **Testi, L.**, Natta, A., Shepherd, D. S., & Wilner, D. J. 2003, “*Large grains in the disk of CQ Tau*”, A&A, 403, 323
- [A57] Fuente, A., Rodríguez-Franco, A., **Testi, L.**, Natta, A., Bachiller, R., & Neri, R. 2003, “*First Evidence of Dusty Disks around Herbig Be Stars*”, ApJ, 598, L39
- [A58] Fontani, F., Cesaroni, R., **Testi, L.**, Walmsley, C. M., Molinari, S., Neri, R., Shepherd, D., Brand, J., Palla, F., & Zhang, Q. 2004, “*IRAS 23385+6053: A candidate protostellar massive object*”, A&A, 414, 299
- [A59] Benedettini, M., Molinari, S., **Testi, L.**, & Noriega-Crespo, A. 2004, “*Millimetre observations of the IRAS 18162-2048 outflow: evidence for cloud disruption around an intermediate-mass protostar*”, MNRAS, 347, 295
- [A60] Shepherd, D. S., Kurtz, S. E., & **Testi, L.** 2004, “*The Nature of the Massive Young Stars in W75 N*”, ApJ, 601, 952
- [A61] Beltrán, M. T., Cesaroni, R., Neri, R., Codella, C., Furuya, R. S., **Testi, L.**, & Olmi, L. 2004, “*Rotating Disks in High-Mass Young Stellar Objects*”, ApJ, 601, L187
- [A62] Ojha, D. K., Ghosh, S. K., Kulkarni, V. K., **Testi, L.**, Verma, R. P., & Vig, S. 2004, “*A study of the Galactic star forming region IRAS 02593+6016/S 201 in infrared and radio wavelengths*”, A&A, 415, 1039
- [A63] Natta, A., **Testi, L.**, Neri, R., Shepherd, D. S., & Wilner, D. J. 2004, “*A search for evolved dust in Herbig Ae stars*”, A&A, 416, 179
- [A64] Anandarao, B. G., Chakraborty, A., Ojha, D. K., & **Testi, L.** 2004, “*Detection of knots and jets in IRAS 06061+2151*”, A&A, 421, 1045
- [A65] De Wit, W.-J., **Testi, L.**, Palla, F., Vanzi, L., Zinnecker, H. 2004, “*The Origin of Massive O-type Field Stars. Part I: A Search for Clusters*”, A&A, 425, 937
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- [A67] Olmi, L., **Testi, L.**, Sargent, A.I. 2004, “*The structure and dynamics of the dense cores in the Perseus molecular cloud complex*”, A&A, 431, 253

- [A68] Habart, E., **Testi, L.**, Natta, A., Carillet, M. 2004, “*Diamonds in HD 97048: a closer look*”, ApJ, 614, L129
- [A69] Natta, A., **Testi, L.**, Muzerolle, J., Randich, S., Comerón, F., Persi, P. 2004, “*Accretion in brown dwarfs: an infrared view*”, A&A, 424, 603
- [A70] Fontani, F., Beltrán, M. T., Brand, J., Cesaroni, R., **Testi, L.**, Molinari, S., & Walmsley, C. M. 2005, Search for massive protostellar candidates in the southern hemisphere. I. Association with dense gas, A&A, 432, 921
- [A71] Cesaroni, R., Neri, R., Olmi, L., **Testi, L.**, Walmsley, C. M., & Hofner, P. 2005, A study of the Keplerian accretion disk and precessing outflow in the massive protostar IRAS 20126+4104, A&A, 434, 1039
- [A72] Furuya, R. S., Cesaroni, R., Takahashi, S., Momose, M., **Testi, L.**, Shinnaga, H., & Codella, C. 2005, Relative Evolutionary Timescale of Hot Molecular Cores with Respect to Ultracompact H II Regions, ApJ, 624, 827
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- [A74] Whelan, E. T., Ray, T. P., Bacciotti, F., Natta, A., **Testi, L.**, & Randich, S. 2005, A resolved outflow of matter from a brown dwarf, *Nature*, 435, 652
- [A75] de Wit, W. J., **Testi, L.**, Palla, F., & Zinnecker, H. 2005, The origin of massive O-type field stars: II. Field O stars as runaways, A&A, 437, 247
- [A76] Moscadelli, L., **L. Testi**, R. S. Furuya, C. Goddi, M. Claussen, Y. Kitamura, and A. Wootten 2006, “*First results from a VLBA proper motion survey of H₂O masers in low-mass YSOs: the Serpens core and RNO 15-FIR*” A&A 446, 985
- [A77] Beltrán, M. T., J. Brand, R. Cesaroni, F. Fontani, S. Pezzuto, **L. Testi**, and S. Molinari 2006, “*Search for massive protostar candidates in the southern hemisphere. II. Dust continuum emission*” A&A 447, 221
- [A78] de Wit, W. J., Bouvier, J., Palla, F., Cuillandre, J.-C., James, D.J., Kendall, T.R., Lodieu, N., McCaughrean, M.J., Moraux, E., Randich, S., **Testi, L.** 2006, “*Exploring the Lower Mass Function in the young open Cluster IC 4665*”, A&A, 448, 189
- [A79] Massi, F., **Testi, L.**, Vanzi, L. 2006, “*The IMF and star formation history of the stellar clusters in the Vela D cloud*”, A&A, 448, 1007
- [A80] Habart, E., Natta, A., **Testi, L.**, Carillet, M. 2005, “*Spatially resolved PAH emission in the inner disks of Herbig Ae/Be stars*”, A&A, 449, 1067
- [A81] Isella, A., **L. Testi**, and A. Natta 2006, “*Large dust grains in the inner region of circumstellar disks*” A&A 451, 951
- [A82] Natta, A., **L. Testi**, and S. Randich 2006, “*Accretion in the ρ -Ophiuchi pre-main sequence stars*” A&A 452, 245
- [A83] Dullemond, C., Natta, A., and **L. Testi** 2006, “*Accretion in protoplanetary disks: the imprint of core properties*” ApJL, 645, L69
- [A84] Beltran, M.T., Cesaroni, R., Codella, C., **L. Testi**, Furuya, R., and Olmi, L. 2006, “*Infall and the formation of a massive star*” *Nature*, 443, 427

- [A85] Fuente, A., Alonso-Albi, T., Bachiller, R., Natta, A., **Testi, L.**, Neri, R., Planesas, P. 2006, “A *Keplerian gaseous disk around the B0 star R Mon*” *ApJL* 649, L119
- [A86] Garcia Lopez, R., A. Natta, **L. Testi**, & E. Habart 2006, “*Accretion rates in Herbig Ae stars*”, *A&A* 459, 837
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