

Recenseamento da Astronomia Brasileira em 30/04/2009.

Por ocasião do Ano Internacional da Astronomia e, também, da realização da Assembléia Geral da IAU no Rio de Janeiro (3-14 de Agosto de 2009) é oportuno fazer um recenseamento da astronomia brasileira. O objetivo é obter um retrato da realidade; foi escolhida a data de 30/04/2009 como referência para a coleta de dados. Uma versão preliminar desse recenseamento foi feito em novembro/2009, tomando como data base 30 de setembro de 2008.

I - Foram contabilizados pesquisadores/professores com doutorado e alunos de pós-graduação.

II - Também foram contabilizadas as dissertações de mestrado e teses de doutorado entre 2005 e 2008, por instituição.

III – Foram listados os projetos da astronomia brasileira nos últimos 20 anos com mais de meio milhão de dólares de investimento, assim como projetos em discussão (“livre pensar, é só pensar” – *Millôr Fernandes*) para os próximos 10 anos.

IV - Por fim foi feito um levantamento de todos os artigos publicados em revistas indexadas em 2008, tomando por base o banco de dados ADS, da NASA, certamente incompleto. Esse mesmo levantamento foi feito para cada 5 anos, a partir de 1965, para se ter uma idéia da evolução ao longo dos últimos 40 anos. Listamos os 219 artigos publicados em 2008.

João Steiner

I – Pessoal

	<i>Com bolsa PQ-1</i>	<i>Com bolsa PQ-2</i>	<i>Sem bolsa PQ</i>	<i>Pós-doutor</i>	<i>Alunos Ms+Dr</i>	<i>Total</i>
USP	18	5	16	18	65	122
ON	8	5	14	5	31	63
INPE	7	4	13	4	20	48
UFRJ(OV+IF)	1	7	11	1	18	38
UFRGS	7		3	3	13	26
UFRN	2	3	3	1	19	26
UNESP(FEG+RC)	2	2	5	4	11	24
CBPF	1	4	1	1	17	24
LNA(+SOAR)		1	8	4		13
UNIVAP		3	5	1	4	12
UFMG	1	1	3	1	5	11
UFSC	3		1	1	5	10
UESC		3	4	2		9
UNIFEI		1	2		5	8
UNICSUL		1	6	1		7
UFSM		1	2		4	7
Un. Mackenzie	1	3	1	1		6
UEFS			5			5
UNIPAMPA			3			3
UERN			3			3
UNB			3			3
UFPR		1	1			2
UFABC		1	1			2
Unochapecó			2			2
UFPel			2			2
UEL			2			2
UNIFESP			2			2
CTA			2			2
UFF		2				2
UERJ			2			2
UCS		1				1
UNINOVE		1				1
UNIRIO			1			1
UNIVASF			1			1
UFJF			1			1
UEPG			1			1
UFMT			1			1
UFSCar			1			1
CEFET-SP			1			1
UTFPR			1			1
Fund.Sto.André			1			1
Exterior-pósDr				11		11
Total geral	51	50	135	59	225	508

Obs: Bolsa de produtividade em pesquisa do CNPq nível PQ-1 oferece bolsa + *grant*, renováveis a cada 3 anos; bolsa de nível PQ-2 não tem *grant*, e também é renovável a cada 3 anos.

Siglas (41 instituições)

USP - Univ de S. Paulo (SP)
ON - Observatório Nacional/MCT (RJ)
INPE – Inst. Nacional de Pesquisas Espaciais/MCT (SP)
UFRJ – Univ Fed do R. de Janeiro (RJ)
UFRGS – Univ Fed do R. Grande do Sul (RS)
UFRN – Univ Fed do R. Grande do Norte (RN)
UNESP – Univ Est Paulista Júlio de Mesquita Filho (SP)
CBPF – Centro Brasileiro de Pesquisas Físicas/MCT (RJ)
UNIFEI – Univ Federal de Itajubá (MG)
LNA – Laboratório Nacional de Astrofísica/MCT (MG)
UNIVAP – Univ do Vale do Paraíba (SP)
UFMG – Univ Fed de Minas Gerais (MG)
UESC – Univ Est de Santa Cruz (BA)
UFSC – Univ Fed de Sta. Catarina (SC)
UNICSUL – Univ Cruzeiro do Sul (SP)
UFSM – Univ Fed de Sta. Maria (RS)
Un. Mackenzie – Univ Presbiteriana Mackenzie (SP)
UEFS – Univ Est de Feira de Santana (BA)
UERJ – Univ Est do R. de Janeiro (RJ)
UNIPAMPA – Univ Fed do Pampa (RS)
UERN – Univ Est do R. Grande do Norte (RN)
UNB – Univ de Brasília (DF)
UEL – Univ Est de Londrina (PR)
UFPR – Univ Fed do Paraná (PR)
UFABC – Univ Fed do ABC (SP)
CTA – Comando-Geral de Tecnol. Aeroespacial/MD (SP)
Unochapecó – Univ Comunitária Regional de Chapecó (SC)
UFPel – Univ Fed de Pelotas (RS)
UNIFESP – Univ Fed de S. Paulo (SP)
UCS – Univ de Caxias do Sul (RS)
UFF – Univ Fed Fluminense (RJ)
UNINOVE – Univ 9 de Julho (SP)
UNIRIO – Univ do Rio de Janeiro (RJ)
UNIVASF – Univ Fed do Vale do S. Francisco (PE)
UFJF – Univ Fed de Juíz de Fora (MG)
UEPG – Univ Est de Ponta Grossa (PR)
UFMT – Univ Fed do Mato Grosso (MT)
UFSCar – Univ Fed de S. Carlos (SP)
CEFET-SP – Centro Fed de Ensino Tecnol. de S. Paulo (SP)
UTFPR – Univ Tecnológica Federal do Paraná (PR)
Fund. Sto. André – Fundação Santo André (SP)

Distribuição por estado

<i>Estado – Nr de instituições</i>	<i>Com bolsa PQ-1</i>	<i>Com bolsa PQ-2</i>	<i>Sem bolsa PQ</i>	<i>Pós-doutor</i>	<i>Alunos Ms+Dr</i>	<i>Total</i>	
SP – 13	28	20	52	29	100	229	45.1%
RJ - 5	10	18	29	7	66	130	25.6%
RS - 5	7	2	9	4	22	39	7.7%
MG – 4	1	3	12	6	13	35	6.9%
RN – 2	2	1	6	1	19	29	5.7%
BA – 2		3	8	2		13	2.6%
SC - 2	3		2		6	11	2.2%
PR - 4		1	5			6	1.2%
DF - 1			3			3	0.6%
MT – 1			1			1	0.2%
PE - 1			1			1	0.2%
Exterior-pósDr				11		11	2.2%
Total geral - 40	50	46	135	59	212	508	100%

Distribuição por categoria institucional

	<i>Com bolsa PQ-1</i>	<i>Com bolsa PQ-2</i>	<i>Sem bolsa PQ</i>	<i>Pós-doutor</i>	<i>Alunos Ms+Dr</i>	<i>Total</i>	<i>%</i>
Univ Estaduais	19	9	38	24	76	168	33.1 %
Univ Federais	14	17	44	7	69	151	29.8%
UPs/MCT-MD	16	15	30	10	68	137	27.1%
Univ Privadas	1	8	15	3	4	29	5.7%
Exterior-pósDr				11		11	2.2%
Total geral	50	49	127	55	217	508	100%

II – Pós-Graduação

Os programas de pós-graduação na Astronomia Brasileira, o número de concluintes no período 2005/2007+2008 e o número de alunos matriculados em 2009.

	Nota CAPES	2005/7 Ms	2008 Ms	2005/7 Dr	2008 Dr	Alunos matric em 2009 M/D
IAG-USP	7	22	10	17	6	23/42
IF-UFRGS	7	3	2	6	3	4/9
CBPF	7	3	3	3	2	4/13
DF-UFMG	7	2	-	2	2	2/6
IF-UFRJ	7	1	-	6	1	2/3
DF-UFRN	5	7	1	6	3	5/14
DF-UFSC	5	4	1	3	2	1/4
DA-ON	4	10	3	8	1	13/18
DAS-INPE	4	10	6	4	1	9/11
FEG-UNESP	4	8	2	-	1	6/5
UNIVAP	4	2	1	-	-	3/1
DF-UFSM	3	4	1	4	-	1/4
OV-UFRJ	3	5	2	-		12/0
UNIFEI	3	2	1	-		5/0
Total	-	83	30	59	24	90/130

Obs. – A UNICSUL (São Paulo), UESC (Ilhéus) e UERN (Mossoró) iniciaram os programas de pós-graduação recentemente e não formaram ninguém até 2008.

Projetos em implantação

Projetos parcialmente implantados, porém com recursos ainda não totalmente assegurados

Observatórios Virtuais – Rede Bravo

Projetos em discussão para os próximos 10 anos

<i>Equipamento</i>	<i>Total da part. brasileira Valor estimado US\$</i>
Sat cient. - raios-x – MIRAX	5 000 000,00
Lançamento MIRAX	30 000 000,00
Sat cient. – Infra-vermelho	não especificado
Sat cient. - exoplanetas	não especificado
Partic. no VLBI com ALMA	5 000 000,00
Telescópio Robótico (2-3 m)	2 000 000,00
Participação no ELT	50 000 000,00
Partic. no AUGER Norte	4 000 000,00
Participação no LSST (regras não estabelecidas)	
Redes de alta performance	
Grandes bancos de dados	

Obs:

1- A proposta da participação no ELT é de financiar a construção de parte das obras civis por empresas brasileiras (via BNDES?).

IV – Produção Científica

Produção científica da Astronomia Brasileira (1960-2008)

Artigos publicados em revistas indexadas por ano

1965	0
1970	8
1975	15
1980	25
1985	47
1990	74
1995	111
2000	205
2005	214
2008	219

Taxa anual média de crescimento:

1970-2000	11.4%
2000-2005	0.9%
2005-2008	0.8%

Distribuição dos artigos publicados pela astronomia brasileira no ano de 2008, por revista

Revista	Qualis	Nr	%
A&A	A2	76	35
MNRAS	A2	36	16
ApJ	A1	15	7
PhRvD	A2	16	7
AJ	A2	9	4
CoAst	s/c	7	3
CqGra	B1	6	3
EL	B1	4	2
JCAP	A1	4	2
PhLB	A2	4	2
Icar	B1	4	2
GReGr	B2	3	1
AdSpR	s/c	3	1
APh	B3	3	1
P&SS	s/c	2	1
CeMDA	B4	2	1
ApSS	B4	2	1
RMxAA	B1	1	
PhLettA	B2	1	
AcA	s/c	1	
New Astron	B2	1	
ARAA	A1	1	
AN	B3	1	
EPJC	B1	1	
PhST	C	1	
IJMPA	B3	1	
PASJ	B1	1	
BaltA	s/c	1	
PASP	A2	1	
PhR	A1	1	
JPhA	B2	1	
Ph RvC	B1	1	
GrCo	C	1	
JGRA	s/c	1	

74% Qualis A
 16% Qualis B
 10% Outros

Distribuição dos artigos publicados pela astronomia brasileira no ano de 2008,
por especialidade

Área	num. artigos	%
Astronomia estelar óptica e infravermelha	63	28.8%
Cosmologia teórica	38	17.4%
Astronomia extragaláctica óptica e infravermelha	26	11.9%
Física de asteróides	12	5.8%
Astrofísica estelar teórica	9	4.3%
Evolução química de sistemas estelares	9	4.3%
Astronomia dinâmica	9	4.3%
Rádio-astronomia solar	7	3.2%
Instrumentação	7	3.2%
Exoplanetas	6	2.7%
Outros	29	13.2%
Total	219	100%

Astronomia Brasileira 2008

Artigos publicados por pesquisadores brasileiros em revistas indexadas no ano de 2008

1. **Abdalla, F. B.; Mateus, A.; Santos, W. A.; Sodrè, L., Jr.; Ferreras, I.; Lahav, O.**
Predicting spectral features in galaxy spectra from broad-band photometry
[2008MNRAS.387..945A](#)
2. **Abramo, L. R.; Batista, R. C.; Liberato, L.; Rosenfeld, R.**
Dynamical mutation of dark energy [2008PhRvD..77f7301A](#)
3. **Aguiar, O. D.; Andrade, L. A.; Barroso, J. J.; Castro, P. J.; Costa, C. A.; de Souza, S. T.; de Waard, A.; Fauth, A. C.; Frajuca, C.; Frossati, G.; and 29 coauthors**
The Schenberg spherical gravitational wave detector: the first commissioning runs
[2008CQGra..25k4042](#)
4. **Aigrain, S.; Collier Cameron, A.; Ollivier, M.; Pont, F.; Jorda, L.; Almenara, J. M.; Alonso, R.; Barge, P.; Bordé, P.; Bouchy, F.; and 25 coauthors**
Transiting exoplanets from the CoRoT space mission. IV. CoRoT-Exo-4b: a transiting planet in a 9.2 day synchronous orbit [2008A&A...488L..43A](#)
5. **Alcaniz, J. S.; Carvalho, F. C.; Silva, R.; Lima, J. A. S.**
CMB and LSS constraints on a single-field model of inflation [2008EL.....8329001](#)
6. **Alonso, R.; Auvergne, M.; Baglin, A.; Ollivier, M.; Moutou, C.; Rouan, D.; Deeg, H. J.; Aigrain, S.; Almenara, J. M.; Barbieri, M.; and 33 coauthors**
Transiting exoplanets from the CoRoT space mission. II. CoRoT-Exo-2b: a transiting planet around an active G star [2008A&A...482L..21A](#)
7. **Althaus, L. G.; Córscico, A. H.; Kepler, S. O.; Miller Bertolami, M. M.**
On the systematics of asteroseismological mass determinations of PG 1159 stars
[2008A&A...478..175](#)
8. **Althaus, L. G.; Córscico, A. H.; Miller Bertolami, M. M.; García-Berro, E.; Kepler, S. O.**
Evidence of Thin Helium Envelopes in PG 1159 Stars [2008ApJ...677L..35A](#)
9. **Alves, F. O.; Franco, G. A. P.; Girart, J. M.**
Optical polarimetry toward the Pipe nebula: revealing the importance of the magnetic field
[2008A&A...486L..13A](#)
10. **Alves, M. E. S.; Miranda, O. D.; de Araujo, J. C. N.**
The conservation of energy momentum and the mass for the graviton [2008GReGr..40..765A](#)
11. **Alves-Brito, A.; Schiavon, R. P.; Castilho, B.; Barbuy, B.**
Abundance variations in the globular cluster M71 (NGC 6838) [2008A&A...486..941A](#)
12. **Araujo, R. A. N.; Winter, O. C.; Prado, A. F. B. A.; Vieira Martins, R.**
Sphere of influence and gravitational capture radius: a dynamical approach
[2008MNRAS.391..675A](#)
13. **Assafin, M.; Campos, R. P.; Vieira Martins, R.; da Silva Neto, D. N.; Camargo, J. I. B.; Andrei, A. H.**
Instrumental and digital coronagraphy for the observation of the Uranus satellites' upcoming mutual events [2008P&SS...56.1882A](#)
14. **Augusto, C. R. A.; Navia, C. E.; Robba, M. B.; Tsui, K. H.**
Search for the GeV counterparts of two gamma ray bursts: Swift 317662 and Fermi bn081017474 [2008PhRvD..78l2001A](#)
15. **Augusto, C. R. A.; Navia, C. E.; Tsui, K. H.**
Muon enhancements at sea level in association with Swift-BAT and MILAGRO triggers
[2008PhRvD..77i3008A](#)
16. **Augusto, C. R. A.; Navia, C. E.; Tsui, K. H.**
Search for GLAST gamma ray burst triggers due to particle precipitation in the South Atlantic Anomaly [2008PhRvD..78h7102A](#)

17. **Baptista, Raymundo; Bortoletto, Alexandre**
A Two-armed Pattern in Flickering Maps of the Nova-like Variable UU Aquarii
[2008ApJ...676.1240B](#)
18. **Barbosa, Cássio L.; Blum, Robert D.; Conti, Peter S.; Daminieli, Augusto; Figuerêdo, Elysandra**
High Spatial Resolution Spectroscopy of W51 IRS 2E and IRS 2W: Two Very Massive Young Stars in Early Formation Stages [2008ApJ...678L..55](#)
19. **Barboza, E. M.; Alcaniz, J. S.**
A parametric model for dark energy [2008PhLB..666..415B](#)
20. **Barbuy, B.; Alves-Brito, A.; Ortolani, S.; Zoccali, M.; Hill, V.; Meléndez, J.; Asplund, M.; Bica, E.; Renzini, A.; Gómez, A.; Minniti, D.**
Abundances in the Galactic bulge [2008PhST..133a4032B](#)
21. **Barucci, M. A.; Fornasier, S.; Dotto, E.; Lamy, P. L.; Jorda, L.; Groussin, O.; Brucato, J. R.; Carvano, J.; Alvarez-Candal, A.; Cruikshank, D.; Fulchignoni, M.**
Asteroids 2867 Steins and 21 Lutetia: surface composition from far infrared observations with the Spitzer space telescope [2008A&A...477..665B](#)
22. **Bazeia, D.; Losano, L.; Rodrigues, J. J.; Rosenfeld, R.**
First-order formalism for dark energy and dust [2008EPJC...55..113B](#)
23. **Beaugé, C.; Giuppone, C. A.; Ferraz-Mello, S.; Michtchenko, T. A.**
Reliability of orbital fits for resonant extrasolar planetary systems: the case of HD82943
[2008MNRAS.385.2151B](#)
24. **Bernui, A.; Ferreira, I. S.; Wuensche, C. A.**
On the Large-Scale Angular Distribution of Short Gamma-Ray Bursts [2008ApJ...673..968B](#)
25. **Bernui, A.; Hipólito-Ricaldi, W. S.**
Can a primordial magnetic field originate large-scale anomalies in WMAP data?
[2008MNRAS.389.1453B](#)
26. **Bernui, Armando**
Anomalous CMB north-south asymmetry [2008PhRvD..78f3531B](#)
27. **Bertolami, O.; Rosenfeld, R.**
The Higgs Portal and AN Unified Model for Dark Energy and Dark Matter
[2008IJMPA..23.4817B](#)
28. **Bica, E.; Bonatto, C.**
A populous intermediate-age open cluster and evidence of an embedded cluster among the FSR globular cluster candidates [2008MNRAS.384.1733B](#)
29. **Bica, E.; Bonatto, C.; Camargo, D.**
Probing FSR star cluster candidates in bulge/disc directions with 2MASS colour-magnitude diagrams [2008MNRAS.385..349B](#)
30. **Bica, E.; Bonatto, C.; Dutra, C. M.**
Investigating the borderline between a young star cluster and a small stellar association: a test case with Bochum 1 [2008A&A...489.1129B](#)
31. **Bica, E.; Bonatto, C.; Dutra, C. M.; Santos, J. F. C.**
A general catalogue of extended objects in the Magellanic System [2008MNRAS.389..678B](#)
32. **Bica, E.; Santos, J. F. C., Jr.; Schmidt, A. A.**
BS196: an old star cluster far from the Small Magellanic Cloud main body
[2008MNRAS.391..915B](#)
33. **Bonatto, C.; Bica, E.**
Exploring FSR open cluster candidates within $|\Delta\ell|=20^\circ$ of the Galactic anticentre
[2008A&A...485...81](#)
34. **Bonatto, C.; Bica, E.**
Structural parameters of 11 faint Galactic globular clusters derived with 2MASS
[2008A&A...479..741B](#)
35. **Bonatto, C.; Bica, E.**
Structural parameters of star clusters: relations among light, mass and star-count radial profiles, and dependence on photometric depth [2008A&A...477..829](#)
36. **Bonatto, C.; Bica, E.**
The old Galactic open clusters FSR 1716 and Czernik 23 [2008A&A...491..76](#)
37. **Bonatto, C.; Bica, E.; Santos, J. F. C.**
Discovery of an open cluster with a possible physical association with a planetary nebula
[2008MNRAS.386..324](#)

38. **Borges, B. W.; Baptista, R.; Papadimitriou, C.; Giannakis, O.**
Cyclical period changes in HT Cassiopeiae: a difference between systems above and below the period gap [2008A&A...480..481B](#)
39. **Bouchy, F.; Queloz, D.; Deleuil, M.; Loeillet, B.; Hatzes, A. P.; Aigrain, S.; Alonso, R.; Auvergne, M.; Baglin, A.; Barge, P.; and 27 coauthors**
Transiting exoplanets from the CoRoT space mission. III. The spectroscopic transit of CoRoT-Exo-2b with SOPHIE and HARPS [2008A&A...482L..25B](#)
40. **Callegari, N.; Yokoyama, T.**
Dynamics of Enceladus and Dione inside the 2:1 mean-motion resonance under tidal dissipation [2008CeMDA.102..273C](#)
41. **Calura, F.; Lanfranchi, G. A.; Matteucci, F.**
The evolution of the photometric properties of Local Group dwarf spheroidal galaxies [2008A&A...484..107C](#)
42. **Capelato, H. V.; Proust, D.; Lima Neto, G. B.; Santos, W. A.; Sodr , L., Jr.**
The structure and dynamics of Abell 1942 [2008A&A...492..345C](#)
43. **Carciofi, A. C.; Bjorkman, J. E.**
Non-LTE Monte Carlo Radiative Transfer. II. Nonisothermal Solutions for Viscous Keplerian Disks [2008ApJ...684.1374C](#)
44. **Carciofi, A. C.; Domiciano de Souza, A.; Magalh es, A. M.; Bjorkman, J. E.; Vakili, F.**
On the Determination of the Rotational Oblateness of Achernar [2008ApJ...676L..41](#)
45. **Caretta, C. A.; Rosa, R. R.; de Campos Velho, H. F.; Ramos, F. M.; Makler, M.**
Evidence of turbulence-like universality in the formation of galaxy-sized dark matter haloes [2008A&A...487..445C](#)
46. **Carneiro, S.; Dantas, M. A.; Pigozzo, C.; Alcaniz, J. S.**
Observational constraints on late-time $\Lambda(t)$ cosmology [2008PhRvD..77h3504C](#)
47. **Carvalho, F. C., Alcaniz, J.S., Lima, J.A.S., Silva, R.** CMB and LSS constraints on a single-field model of inflation. Europhysics Lett. 83, 29001
48. **Carvalho, F. C.; Santos, E. M.; Alcaniz, J. S.; Santos, J.**
Cosmological constraints from the Hubble parameter on $f(R)$ cosmologies [2008JCAP...09..008C](#)
49. **Carvalho, J. C.; Silva, R.; do Nascimento, J. D., Jr.; DeMedeiros, J. R.**
Power law statistics and stellar rotational velocities in the Pleiades [2008EL.....8459001C](#)
50. **Carvalho, L.; Saurin, T. A.; Bica, E.; Bonatto, C.; Schmidt, A. A.**
Structures in surface-brightness profiles of LMC and SMC star clusters: evidence of mergers? [2008A&A...485...71C](#)
51. **Carvano, J. M.**
Compositional interpretation of the geometric albedo of asteroids. I. Solar phase effects [2008A&A...486.1031C](#)
52. **Carvano, J. M.; Barucci, M. A.; Delb , M.; Fornasier, S.; Lowry, S.; Fitzsimmons, A.**
Surface properties of Rosetta's targets (21) Lutetia and (2867) Steins from ESO observations [2008A&A...479..241C](#)
53. **Carvano, J. M.; Ferraz-Mello, S.; Lazzaro, D.**
Physical and dynamical characterization of (5201) Ferraz-Mello, a possible extinct Jupiter family comet [2008A&A...489..811C](#)
54. **Castanheira, B. G.; Kepler, S. O.**
Seismological studies of ZZ Ceti stars - I. The model grid and the application to individual stars [2008MNRAS.385..430C](#)
55. **Castanheira, B. G.; Kepler, S. O.**
Seismology of ZZ Ceti stars [2008CoAst.157..294C](#)
56. **Cescutti, G.; Matteucci, F.; Lanfranchi, G. A.; McWilliam, A.**
The chemical evolution of manganese in different stellar systems [2008A&A...491..401C](#)
57. **Chanut, T.; Winter, O. C.; Tsuchida, M.**
Nebular gas drag and co-orbital system dynamics [2008A&A...481..519C](#)
58. **Chilingarian, I. V.; Cayatte, V.; Durret, F.; Adami, C.; Balkowski, C.; Chemin, L.; Lagan , T. F.; Prugniel, P.**
Kinematics and stellar populations of low-luminosity early-type galaxies in the Abell 496 cluster [2008A&A...486..85C](#)
59. **Chimento, Luis P.; Devecchi, Fernando P.; Forte, M nica; Kremer, Gilberto M.**
Phantom cosmologies and fermions [2008COGra..25h5007C](#)
60. **Clausen, J. V.; Vaz, L. P. R.; Garc a, J. M.; Gim nez, A.; Helt, B. E.; Olsen, E. H.; Andersen, J.**

- Four-colour photometry of eclipsing binaries. XLI. uvby light curves for AD Bootis, HW Canis Majoris, SW Canis Majoris, VZ Hydrae, and WZ Ophiuchi [2008A&A...487.1081C](#)
61. **Corbin, Michael R.; Kim, Hwihyun; Jansen, Rolf A.; Windhorst, Rogier A.; Fernandes, Roberto Cid**
The Nearby and Extremely Metal-poor Galaxy CGCG 269-049 [2008ApJ...675..194C](#)
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