

Curriculum Vitae

DR. JAN-UWE NESS

XMM-Newton Observatory SOC

European Space Astronomy Centre, Apartado 78

28691 Villanueva de la Cañada, Madrid, Spain

born 28. September, 1970 in Oldenburg, i.O., Germany

Positions	since 2008	Community Support Scientist in XMM-Newton SOC
	<i>Responsibilities:</i>	Long-term Planning and Coordination with other missions, Conference Organisation, Maintenance of Image Gallery, On-call scientist, helpdesk, Support Scientists with observation setup monitor usage of XMM data in scientific publications more details on extra sheet
	2006-2008	<i>Chandra</i> Fellow at Arizona State University
	<i>Responsibilities:</i>	Scientific research in X-ray astronomy with publications in refereed journals Studies of several Classical Novae, working with <i>Chandra</i> , XMM-Newton, and <i>Swift</i> data. Presentation of results at conferences
	2004-2006	Research Associate at Dep. of Theor. Physics at University of Oxford
	<i>Responsibilities:</i>	Analysis of high-resolution X-ray spectra of stellar coronae Differential Emission Reconstruction from emission lines fluxes
	2002-2004	Research Associate at Hamburger Sternwarte, Hamburg, Germany
	<i>Responsibilities:</i>	Independent research on high-resolution X-ray spectra of stellar coronae Also started working on Classical Novae. Strong role in public outreach Guided Tours through historic observatory, maintenance of web pages
	1999-2002	Research Assistant at Hamburger Sternwarte, Hamburg, Germany
	<i>Responsibilities:</i>	Scientific research in X-ray Astronomy with preparation of PhD thesis
	1997-1998	Teaching Assistant at University of Kiel, Germany
ESA Training	2018	Professional Networking
	2017	Fundamentals of People Management Scientific Approaches to Creativity for Professionals
	2016	IDP (Internal Development Process), ICP (Internal Contact Person), Advanced Reading Skills
	2015	Introduction to Spacecraft Operations, Space in a Nutshell
	2014	Cost Estimating, Bootcamp on Scientific Programming
	2013	Advanced IDL course
	2012	Assertiveness at work
	2011	Space Systems Engineering
	2009	Presentation Skills

Education	May 2002	Ph.D. in Astrophysics at University of Hamburg, Germany <i>Thesis on</i> HIGH-RESOLUTION X-RAY PLASMA DIAGNOSTICS OF STELLAR CORONAE
	Dec 1998	Graduation in Astrophysics at University of Kiel, Germany <i>Thesis on</i> N-BODY SIMULATIONS OF INTERACTING GALAXIES
	May 1991	Graduation from High School with Abitur in Germany
	1988-1989	High School in Renton, Washington, USA
Stipends and Awards	2008	Ramon y Cajal: 5 years offered but declined to take ESA position
	2005	Chandra Fellowship: 3 years with Prof. S. Starrfield, Arizona State Univ.
	2002	Harvard Stipend: 2 months with Dr. N. Brickhouse (SAO/Harvard)
	2001	DAAD Stipend: 2 months with Dr. R. Mewe (SRON)
	1997	Practical RADIATION PHYSICS AND CHEMISTRY OF POLYMERS 3 months at Flerov Laboratory of Nuclear Reactions (Dubna, Russia)
Participation in Commissions	2013-2017	ESA Staff Association Committee (SAC)
	2005-2012	Chandra AO-7, AO-10 and AO-13 peer review panel
	2003-2004	XMM-Newton AO-3 and AO-4 peer review panels
	Dec 2002	Commission appointing a C-3 Professor at Hamburger Sternwarte
	1996-1999	Member in Church board in Kiel, Germany
Supervision & Management	2016-2017	Science Operations Study Leader for M4 mission candidate <i>XIPE</i>
	2013-2015	Research Fellow at ESAC (Martin Henze)
	2006-2008	co-supervision of a PhD student at Arizona State University
	2002-2004	co-supervision of PhD students in Hamburg
Teaching	2006/2007	Astronomical Instrumentation and Data Analysis (Arizona State Univ.) (two lectures on Low-Count Photon Statistics)
	2005	Problem class (4th year); Univ. Oxford (Applied Atomic Physics)
	2002-2004	Two problem classes (1st year); Univ. Hamburg (Introduction)
	2002-2004	Deputy lecturing for Prof. J.H.M.M. Schmitt (Univ. Hamburg) for all faculties, Radiation processes, Relativistic Astrophysics, Solar- and Stellar physics
	1997-1998	Instructor in practicals at Univ. of Kiel, Germany (Optical observations, Fortran programming)
Other Certificates	Jul 1996	Certificate in Church Music (Organ, Choir director)
	Dec 1991	First Cambridge Certificate in English
	Sep 1991	Driving license CE (trucks)
	1991-1993	Military Service in Cologne (Köln) and Rendsburg, Germany
	April 1988	Ham radio license
Other Activities		Organise web pages of Hamburger Sternwarte
		Installation and maintenance of software at Hamburger Sternwarte
		Conduct guided tours through historic Hamburger Sternwarte
		Organist in Church services
		Various short Organ concerts (Hamburg, Germany, Oña/Burgos, Spain)
	1993-1996	Telephone counselling in AIDS centre and gay switchboard

Projects at ESA

DR. JAN-UWE NESS

Selected highlights of responsibilities in XMM-Newton Community Support team. Required qualifications are given *in italic*

- Community Support (Help desk, On-call)
Communicate between scientists with questions and engineers with answers using their respective 'languages'
- Chair of Local Organising Committee of six conferences
Keep control of a large number of different activities, due at different deadlines, formulate requirements (e.g., conference web page, abstract submission interface, needs at conference venue), keep control over budget, diplomacy (e.g., bring bad news, ask for concessions)
- Design and continuous maintenance of the XMM-Newton observing plan for each 1-year cycle. Respect various constraints ranging from simple limitations of visibility to most complex scientific constraints. Coordinate simultaneous observations with other missions.
Organise a complex array of items (as also the organisation of conferences). Liaise with other missions to arrange coordinated observations
- Collect and analyse publications using XMM-Newton data
Creation and administration of publication database, communication with authors, supervision of students doing some of the screening, liaising with Project Scientist and mission manager about requirements of output, access database for various forms of statistics, liase with teams in US managing the ADS publications database
- Editor of main XMM-Newton documents (Users Handbook, Data files handbook)
Coordinate input from various contributors and compile the contents into a coherent format.
- Communication with large numbers of users for announcements, invitations, etc.
Design mass mailing script that generates emails with personal information
- Scientific Research in Classical Novae and Stellar Coronae. Outputs:
 - 1 Since 2009 (while at ESA) four major first author articles and participation in 15 more as a co-author
 - 2 Principal Investigator in twelve observing proposals (6 XMM-Newton, 6 Chandra)
 - 3 Supervise various visitors and students including an ESA research Fellows
 - 4 Service in two Chandra Time Allocation Committees, Referee of several articles
Data analysis using complex software plus development of new tools, Write complex thoughts in a condensed format, Communicate with co-authors, editors, and referees
 - 5 Technical Officer in Science Projects:
 - a) EXPRO 2016.288: **Harvesting the stellar content from the XMM-Newton archive using Gaia**
 - b) NPI, Reference: 490-2016: **Exploring Jupiters X-ray Aurora through Conjugate In-situ and Remote Observations**

Since Feb.2016: Science Operations Study Leader for M4 mission candidate *XIPE*
Planning and Manpower/cost estimation of Ground-Segment. Negotiate with Consortium and Science Team. Write Science Operations Assumptions Document (SOAD)

Presentations at international conferences

Invited talks

Jun 2017	From Cooling to Explosion: The Physics of White Dwarfs	Tossa del Mar, Spain
Jul 2011	From Atom to Stars: the impact of Spectroscopy on Astrophysics	Oxford, UK
Mar 2009	3 rd High resolution X-ray Spectroscopy Workshop - Towards IXO	MSSL, UK
May 2008	The X-ray Universe 2008	Granada, Spain
Oct 2007	Chandra Fellowship Symposium	Cambridge, USA
+Nov 2006, Oct. 2005		
Jul 2004	35 th Cospar Scientific Assembly	Paris, France
Jul 2004	Cool Stars Workshop 13	Hamburg, Germany
Sep 2003	Highlight Talk at AG Meeting (plus 2 posters)	Freiburg, Germany
Jul 2003	X-ray and Radio Emission of Young Stars	Tokyo, Japan

Contributed talks

Jul 2018	COSPAR	Pasadena, CA, USA
Jun 2018	The X-ray Universe	Madrid, Spain
Jan 2018	Planning ESO observations of future gravitational wave events	Garching, Germany
Jun 2017	The X-ray Universe	Rome, Italy
Sep 2017	The power of X-ray spectroscopy	Warsaw, Poland
Nov 2016	Exploring the X-ray Transient and variable Sky	Pavia, Italy
Nov 2016	SRE-SCI Science Workshop	Aakersloot, The Netherlands
Nov 2014	SRE-SCI Science Workshop	Volendam, The Netherlands
Jun 2014	The X-ray Universe 2014	Dublin, Germany
Sep 2013	The Golden Age of Cataclysmic Variables and Related Objects II	Palermo, Italia
Feb 2013	Stella Novae: Past and Future Decade	Cape Town, South Africa
Jun 2013	Spanish X-ray Astronomy	Barcelona, Spain
Sep 2012	Half a Century of X-ray Astronomy	Mykonos, Greece
Jun 2011	The X-ray Universe 2011	Berlin, Germany
Mar 2010	High-Resolution X-ray Spectroscopy: past, present, and future	Utrecht, NL
May 2008	8th Pacific Rim Conference on Stellar Astrophysics	Phuket, Thailand
Jun 2007	RS Ophiuchi (2006)	Keele, UK
May 2007	AAS 210th Meeting	Honolulu, Hawaii, USA
Dec 2006	The Extreme Universe in the Suzaku Era	Kyoto, Japan
Mar 2006	High resolution X-ray spectroscopy: Towards XEUS and Con-X (plus 1 poster)	MSSL, UK
Nov 2002	Chandra Calibration Workshop	MIT, Cambridge, MA, USA
Oct 2002	34 th Cospar Scientific Assembly	Houston, TX, USA
Oct 2002	MSSL Workshop on high resolution X-ray spectroscopy	MSSL, UK
Sep 2002	AG meeting	Berlin, Germany
Aug 2001	Cool Stars Workshop 12 (plus 1 poster)	Boulder, Colorado, USA
Jun 2001	Stellar Coronae 2001 (plus 1 poster)	Noordwijk, Netherlands
Sep 1999	AG meeting	Göttingen, Germany

Poster presentations at conferences

Mar 2009	Wild Stars in the Old West (II)	Tucson, AZ, USA
Dec 2007	The Suzaku X-ray Universe	San Diego, CA, USA
Nov 2004	X-ray Diagnostics for Astrophysical Plasmas	Cambridge, MA

Successful proposals

Year	Source	Project	Award
2016	XMM-Newton	Increasing the sample of SSS grating spectra for novae	44,000 sec
2014	XMM-Newton	Analysing high-amplitude variations during early SSS phase in novae	149,000 sec
2012	Chandra	Early hard X-ray emission in Nova Mon 2012	25,000 sec
2011	Chandra	The activity cycle of 61 Cyg	200,000 sec
2010	XMM-Newton	Old Nova V723 Cas	90,000 sec
2009	Chandra	The early SSS phase of the Classical Nova KT Eri	15,000 sec
2009	XMM-Newton	Old Nova V723 Cas	70,000 sec
2009	XMM-Newton	Target of Opportunity	70,000 sec
2008	XMM-Newton	Target of Opportunity	55,000 sec
		One bright Nova in outburst	
2008	NASA Funding	Bright Nova in outburst	\$75,000
2006	Chandra	Probing spectral changes in variable active M dwarfs	100,000 sec
2005	Chandra Fellowship	High-resolution X-ray spectroscopy of Classical Novae and Super Soft X-ray Binaries	\$200,000
2003	Chandra	X-ray observation of Saturn	70,000 sec
2001	Deutscher Akademischer Austauschdienst (DAAD)	X-ray Diagnostics of Coronal Plasmas with Dr. R. Mewe at SRON, Netherlands	€2500

Guest Presentations at Institute Seminars

Demonstrates large network of contacts

Invitations for Colloquium talks

Feb 2017 University of Lancaster, UK
Jan 2016 University of Liverpool, UK
Jul 2013 University of Pisa, Italy
Jan 2013 Dublin Institute for Advanced Studies, Ireland*
Jan 2009 Trinity College Dublin, Ireland**
Oct 2008 Harvard University, Cambridge, MA, USA
Sep 2008 University of West Chester, near Philadelphia, PA, USA*
Sep 2008 University of Wisconsin, Madison, WI, USA*
Aug 2008 University of Oxford, UK*
Jul 2008 University of Leicester, UK*
Jul 2008 MPE Garching, Germany*
Jun 2008 Institut d'Estudis Espaciales de Catalunya, Barcelona, Spain**
May 2008 University of Hamburg, Germany*
Sep 2007 University of Chicago, IL, USA*
Sep 2007 University of Minnesota, MN, USA**
Jul 2007 Université de Genève, Switzerland*
Jul 2007 Universität Tübingen, Germany*
Jul 2007 Kiepenheuer Institut für Sonnenphysik, Freiburg, Germany*
Jun 2007 Universität Hamburg, Germany
Jun 2007 Warwick University, UK*
Jan 2007 University of California (San Diego), CA, USA**
Jan 2007 Keele University, Staffordshire, UK**
Oct 2006 University of West Chester, near Philadelphia, PA, USA*
Oct 2006 University of Leicester, UK*
Sep 2006 Keele University, Staffordshire, UK**
Aug 2006 Harvard University, Cambridge, MA, USA
Aug 2006 University of Oxford, UK*
Aug 2006 University of Sheffield, UK
Jul 2006 Universität Hamburg, Germany
Apr 2006 MIT, Cambridge, MA, USA
Feb 2006 University of California (Berkeley), CA, USA*
Jan 2006 Columbia University, New York, NY, USA**
Nov 2005 University of Oxford, UK*
Apr 2005 Mullard Space Science Laboratory (MSSL), Dorking, UK*
Oct 2005 Imperial College London, UK
Jul 2004 Kiepenheuer Institut für Sonnenphysik, Freiburg, Germany**
Apr 2004 University of Palermo, Italy*
Mar 2004 Eidgenössische Technische Hochschule Zürich, Switzerland*
Nov 2003 Universität Kiel, Germany**
Aug 2003 Max Planck Institut für Extraterrestrische Physik (MPE), Garching, Germany*
Feb 2001 Landessternwarte Königstuhl, Heidelberg, Germany*

** host covered full costs; * costs shared

Scientific Publications

Dr. Jan-Uwe Ness

October 15, 2018

1 Summary

	First Author	All	Fraction 1st Auth.
Refereed	28	106	26.4%
Hirsch (ref)	17	32	
Ref.+unref.	103	298	34.6%

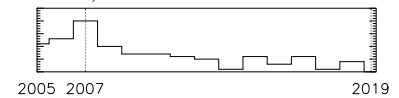
2 Refereed 1st author publications with highest impact

1. On the sizes of stellar X-ray coronae

Authors: J. -U. Ness, M. Güdel, J. H. M. M. Schmitt, M. Audard, A. Telleschi

A&A **427**, 667 (166) **100 cits.** (0.05 per year)

Self-citations: 4 (1st auth., 4%), 12 (all ref. papers, 12%)

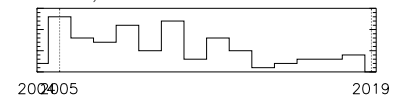


2. A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve

Authors: J. -U. Ness, S. Starrfield, V. Burwitz, R. Wichmann, P. Hauschildt, J. J. Drake, R. M. Wagner, H. E. Bond, J. Krautter, M. Orío, M. Hernanz, R. D. Gehrz, C. E. Woodward, Y. Butt, K. Mukai, S. Balman, J. W. Truran

ApJ **594L**, 127 (166) **87 cits.** (0.05 per year)

Self-citations: 7 (1st auth., 8%), 23 (all ref. papers, 26%)

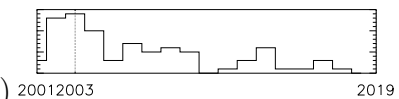


3. Helium-like triplet density diagnostics. Applications to CHANDRA-LETGS X-ray observations of Capella and Procyon

Authors: J. -U. Ness, R. Mewe, J. H. M. M. Schmitt, A. J. J. Raassen, D. Porquet, J. S. Kaastra, R. L. J. van der Meer, V. Burwitz, P. Predehl

A&A **367**, 282 (166) **82 cits.** (0.04 per year)

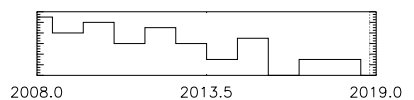
Self-citations: 10 (1st auth., 12%), 15 (all ref. papers, 18%)



4. The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton. I. Data and Preliminary Modeling

ApJ **665**, 1334 (166) **66 cits.** (0.04 per year)

Self-citations: 7 (1st auth., 11%), 20 (all ref. papers, 30%)

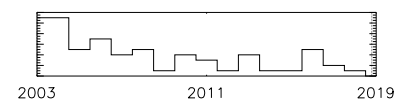


5. Coronal density diagnostics with Helium-like triplets: CHANDRA-LETGS observations of Algol, Capella, Procyon, epsilon Eri, alpha Cen A&B, UX Ari, AD Leo, YY Gem, and HR 1099

Authors: J. -U. Ness, J. H. M. M. Schmitt, V. Burwitz, R. Mewe, A. J. J. Raassen, R. L. J. van der Meer, P. Predehl, A. C. Brinkman

A&A **394**, 911 (166) **66 cits.** (0.04 per year)

Self-citations: 5 (1st auth., 8%), 8 (all ref. papers, 12%)

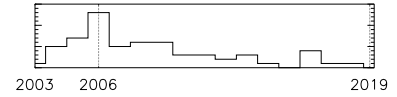


6. **Modeling the Ne IX Triplet Spectral Region of Capella with the Chandra and XMM-Newton Gratings**

Authors: **Jan-Uwe Ness**, Nancy S. Brickhouse, Jeremy J. Drake, David P. Huenemoerder

ApJ **598**, 1277 (166) **61 cits.** (0.03 per year)

Self-citations: 5 (1st auth., 8%), 9 (all ref. papers, 15%)

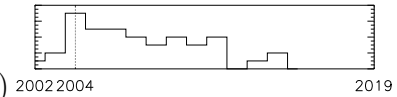


7. **CORA - emission line fitting with Maximum Likelihood**

Authors: **J. -U. Ness**, R. Wichmann

AN **323**, 129 (166) **41 cits.** (0.02 per year)

Self-citations: 11 (1st auth., 27%), 20 (all ref. papers, 49%)

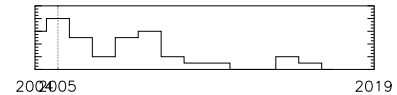


8. **Are stellar coronae optically thin in X-rays?. A systematic investigation of opacity effects**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, M. Audard, M. Güdel, R. Mewe

A&A **407**, 347 (166) **39 cits.** (0.02 per year)

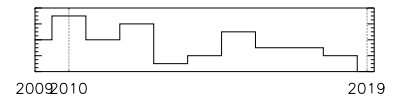
Self-citations: 5 (1st auth., 13%), 7 (all ref. papers, 18%)



9. **High-Resolution X-Ray Spectroscopy of the Evolving Shock in the 2006 Outburst of RS Ophiuchi**

AJ **137**, 3414 (166) **37 cits.** (0.02 per year)

Self-citations: 5 (1st auth., 14%), 13 (all ref. papers, 35%)

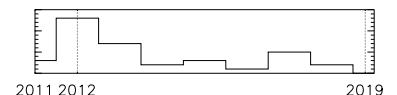


10. **XMM-Newton X-ray and Ultraviolet Observations of the Fast Nova V2491 Cyg during the Supersoft Source Phase**

Authors: **J. -U. Ness**, J. P. Osborne, A. Dobrotka, K. L. Page, J. J. Drake, C. Pinto, R. G. Detmers, G. Schwarz, M. F. Bode, A. P. Beardmore, S. Starrfield, M. Hernanz, G. Sala, J. Krautter, C. E. Woodward

ApJ **733**, 70 (167) **36 cits.** (0.02 per year)

Self-citations: 3 (1st auth., 8%), 10 (all ref. papers, 28%)



Total #citations: 615; Maximum of 0.05 citations per year

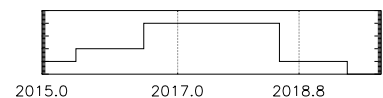
3 First Author in Refereed Journals

1. **Short-period X-ray oscillations in super-soft novae and persistent super-soft sources**

Authors: **J. -U. Ness**, A. P. Beardmore, J. P. Osborne, E. Kuulkers, M. Henze, A. L. Piro, J. J. Drake, A. Dobrotka, G. Schwarz, S. Starrfield, P. Kretschmar, M. Hirsch, J. Wilms

A&A **578A**, 39 (167) **12 cits.** (6.48E-3 per year)

Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 25%)



2. **Early Super Soft Source Spectra in RS Oph**

Authors: **J. -U. Ness**

AcPPP **2**, 222 (167) **1 cit.** (5.40E-4 per year)

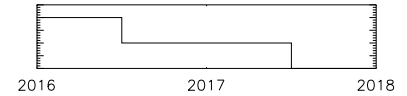
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 100%)

3. XMM-Newton publication statistics

Authors: **J. -U. Ness**, A. N. Parmar, L. A. Valencic, R. Smith, N. Loiseau, A. Salama, M. Ehle, N. Schartel

AN **335**, 210 (167) **3 cits.** (1.62E-3 per year)

Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

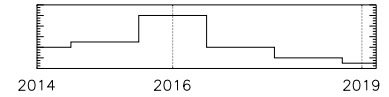


4. Obscuration effects in super-soft-source X-ray spectra

Authors: **J. -U. Ness**, J. P. Osborne, M. Henze, A. Dobrotka, J. J. Drake, V. A. R. M. Ribeiro, S. Starrfield, E. Kuulkers, E. Behar, M. Hernanz, G. Schwarz, K. L. Page, A. P. Beardmore, M. F. Bode

A&A **559A**, 50 (167) **26 cits.** (1.40E-2 per year)

Self-citations: 1 (1st auth., 4%), 10 (all ref. papers, 38%)

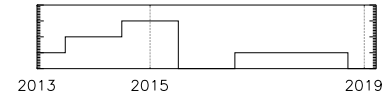


5. High-resolution spectroscopy and high-density monitoring in X-rays of novae

Authors: **J. U. Ness**

BASI **40**, 353 (167) **8 cits.** (4.32E-3 per year)

Self-citations: 2 (1st auth., 25%), 4 (all ref. papers, 50%)

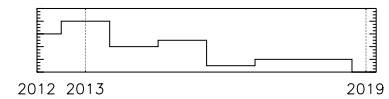


6. From X-Ray Dips to Eclipse: Witnessing Disk Reformation in the Recurrent Nova U Sco

Authors: **J. -U. Ness**, B. E. Schaefer, A. Dobrotka, A. Sadowski, J. J. Drake, R. Barnard, A. Talavera, R. Gonzalez-Riestra, K. L. Page, M. Hernanz, G. Sala, S. Starrfield

ApJ **745**, 43 (167) **28 cits.** (1.51E-2 per year)

Self-citations: 3 (1st auth., 11%), 10 (all ref. papers, 36%)

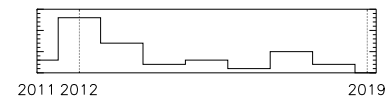


7. XMM-Newton X-ray and Ultraviolet Observations of the Fast Nova V2491 Cyg during the Supersoft Source Phase

Authors: **J. -U. Ness**, J. P. Osborne, A. Dobrotka, K. L. Page, J. J. Drake, C. Pinto, R. G. Detmers, G. Schwarz, M. F. Bode, A. P. Beardmore, S. Starrfield, M. Hernanz, G. Sala, J. Krautter, C. E. Woodward

ApJ **733**, 70 (167) **36 cits.** (0.02 per year)

Self-citations: 3 (1st auth., 8%), 10 (all ref. papers, 28%)

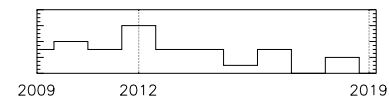


8. Swift X-Ray and Ultraviolet Monitoring of the Classical Nova V458 Vul (Nova Vul 2007)

Authors: **J. -U. Ness**, J. J. Drake, A. P. Beardmore, D. Boyd, M. F. Bode, S. Brady, P. A. Evans, B. T. Gaensicke, S. Kitamoto, C. Knigge, I. Miller, J. P. Osborne, K. L. Page, P. Rodriguez-Gil, G. Schwarz, B. Staels, D. Steeghs, D. Takei, M. Tsujimoto, R. Wesson, A. Zijlstra

AJ **137**, 4160 (166) **28 cits.** (1.51E-2 per year)

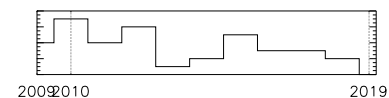
Self-citations: 3 (1st auth., 11%), 12 (all ref. papers, 43%)



9. High-Resolution X-Ray Spectroscopy of the Evolving Shock in the 2006 Outburst of RS Ophiuchi

AJ **137**, 3414 (166) **37 cits.** (0.02 per year)

Self-citations: 5 (1st auth., 14%), 13 (all ref. papers, 35%)

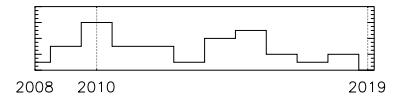


10. **V723 CASSIOPEIA Still on in X-Rays a Bright Super Soft Source 12 Years after Outburst**

Authors: **J. -U. Ness**, G. Schwarz, S. Starrfield, J. P. Osborne, K. L. Page, A. P. Beardmore, R. M. Wagner, C. E. Woodward

AJ **135**, 1328 (166) **31 cits.** (1.67E-2 per year)

Self-citations: 1 (1st auth., 3%), 5 (all ref. papers, 16%)

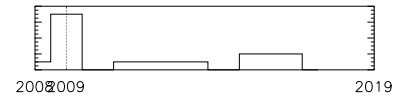


11. **The corona and upper transition region of epsilon Eridani**

Authors: **J. -U. Ness**, C. Jordan

MNRAS **385**, 1691 (166) **15 cits.** (8.10E-3 per year)

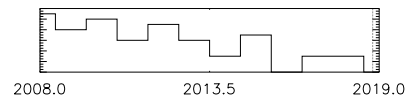
Self-citations: 1 (1st auth., 7%), 3 (all ref. papers, 20%)



12. **The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton. I. Data and Preliminary Modeling**

ApJ **665**, 1334 (166) **66 cits.** (0.04 per year)

Self-citations: 7 (1st auth., 11%), 20 (all ref. papers, 30%)



13. **Advances of plasma diagnostics with high-resolution spectroscopy of stellar coronae**

Authors: **J. -U. Ness**

AdSpR **38**, 1494 (166) **1 cit.** (5.40E-4 per year)

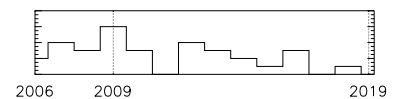
Self-citations: 1 (1st auth., 100%), 1 (all ref. papers, 100%)

14. **An X-ray emission-line spectrum of Nova V382Velorum 1999**

Authors: **J. -U. Ness**, S. Starrfield, C. Jordan, J. Krautter, J. H. M. M. Schmitt

MNRAS **364**, 1015 (166) **32 cits.** (1.73E-2 per year)

Self-citations: 5 (1st auth., 16%), 9 (all ref. papers, 28%)

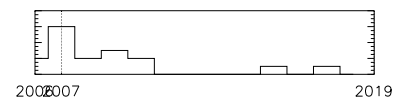


15. **Anomalous X-ray line ratios in the cTTS TW Hydrae**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt

A&A **444L**, 41 (166) **17 cits.** (9.18E-3 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 6%)

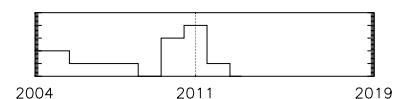


16. **Detection of Saturnian X-ray emission with XMM-Newton**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, J. Robrade

A&A **414L**, 49 (166) **15 cits.** (8.10E-3 per year)

Self-citations: 1 (1st auth., 7%), 2 (all ref. papers, 13%)

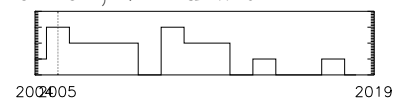


17. **X-ray emission from Saturn**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, S. J. Wolk, K. Dennerl, V. Burwitz

A&A **418**, 337 (166) **19 cits.** (1.03E-2 per year)

Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

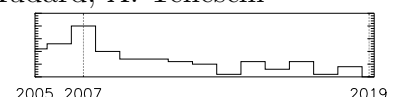


18. **On the sizes of stellar X-ray coronae**

Authors: **J. -U. Ness**, M. Güdel, J. H. M. M. Schmitt, M. Audard, A. Telleschi

A&A **427**, 667 (166) **100 cits.** (0.05 per year)

Self-citations: 4 (1st auth., 4%), 12 (all ref. papers, 12%)

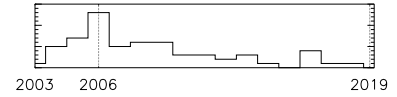


19. **Modeling the Ne IX Triplet Spectral Region of Capella with the Chandra and XMM-Newton Gratings**

Authors: **Jan-Uwe Ness**, Nancy S. Brickhouse, Jeremy J. Drake, David P. Huenemoerder

ApJ **598**, 1277 (166) **61 cits.** (0.03 per year)

Self-citations: 5 (1st auth., 8%), 9 (all ref. papers, 15%)

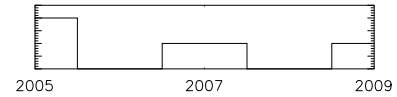


20. **Coronal densities and temperatures for cool stars in different stages of activity**

Authors: **J. -U. Ness**, M. Audard, J. H. M. M. Schmitt, M. Güdel

AdSpR **32**, 937 (166) **4 cits.** (2.16E-3 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 25%)

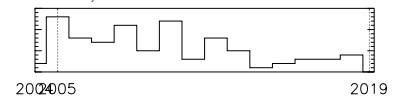


21. **A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve**

Authors: **J. -U. Ness**, S. Starrfield, V. Burwitz, R. Wichmann, P. Hauschildt, J. J. Drake, R. M. Wagner, H. E. Bond, J. Krautter, M. Orío, M. Hernanz, R. D. Gehrz, C. E. Woodward, Y. Butt, K. Mukai, S. Balman, J. W. Truran

ApJ **594L**, 127 (166) **87 cits.** (0.05 per year)

Self-citations: 7 (1st auth., 8%), 23 (all ref. papers, 26%)



22. **Are stellar coronae optically thin in X-rays?. A systematic investigation of opacity effects**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, M. Audard, M. Güdel, R. Mewe

A&A **407**, 347 (166) **39 cits.** (0.02 per year)

Self-citations: 5 (1st auth., 13%), 7 (all ref. papers, 18%)

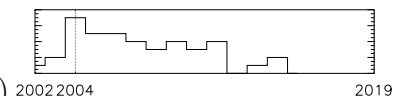


23. **CORA - emission line fitting with Maximum Likelihood**

Authors: **J. -U. Ness**, R. Wichmann

AN **323**, 129 (166) **41 cits.** (0.02 per year)

Self-citations: 11 (1st auth., 27%), 20 (all ref. papers, 49%)

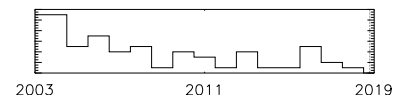


24. **Coronal density diagnostics with Helium-like triplets: CHANDRA-LETGS observations of Algol, Capella, Procyon, epsilon Eri, alpha Cen A&B, UX Ari, AD Leo, YY Gem, and HR 1099**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, V. Burwitz, R. Mewe, A. J. J. Raassen, R. L. J. van der Meer, P. Predehl, A. C. Brinkman

A&A **394**, 911 (166) **66 cits.** (0.04 per year)

Self-citations: 5 (1st auth., 8%), 8 (all ref. papers, 12%)

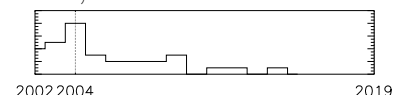


25. **Chandra LETGS observation of the active binary Algol**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt, V. Burwitz, R. Mewe, P. Predehl

A&A **387**, 1032 (166) **32 cits.** (1.73E-2 per year)

Self-citations: 5 (1st auth., 16%), 10 (all ref. papers, 31%)



26. **High-resolution X-ray plasma diagnostics of stellar coronae**

Authors: **Jan-Uwe Ness**

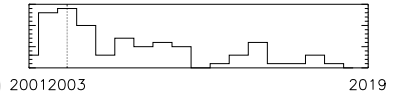
PhDT **3N**, (166) **1 cit.** (5.40E-4 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

27. **Helium-like triplet density diagnostics. Applications to CHANDRA-LETGS X-ray observations of Capella and Procyon**

Authors: **J. -U. Ness**, R. Mewe, J. H. M. M. Schmitt, A. J. J. Raassen, D. Porquet, J. S. Kaastra, R. L. J. van der Meer, V. Burwitz, P. Predehl

A&A **367**, 282 (166) **82 cits.** (0.04 per year)

Self-citations: 10 (1st auth., 12%), 15 (all ref. papers, 18%)

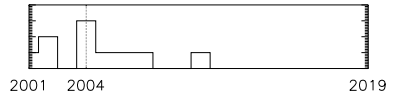


28. **A search for X-ray emission from Saturn, Uranus and Neptune**

Authors: **J. -U. Ness**, J. H. M. M. Schmitt

A&A **355**, 394 (166) **10 cits.** (5.40E-3 per year)

Self-citations: 2 (1st auth., 20%), 2 (all ref. papers, 20%)



4 (Co-)Authorship in Refereed Journals

1. **Multiwavelength observations of V407 Lupi (ASASSN-16kt) - a very fast nova erupting in an intermediate polar**

E. Aydi et al. (167, MNRAS **480**, 572); 4th author **1 cit.** (5.40E-4 per year)

Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

2. **Carbon X-ray absorption in the local ISM: Fingerprints in X-ray Novae spectra**
Efrain Gatuuz, **J. -U. Ness** et al. (167, MNRAS **479**, 2457); 2nd author **2 cits.** (1.08E-3 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 50%)

3. **What We Learn from the X-Ray Grating Spectra of Nova SMC 2016**

M. Orío, **J. -U. Ness** et al. (167, ApJ **862**, 164); 2nd author

4. **Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova M31N 2008-12a**

M. Henze et al. (167, ApJ **857**, 68); 35th author **3 cits.** (1.62E-3 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 33%)

5. **Digitization and astrometric calibration of Carte du Ciel photographic plates with Gaia DR1**

K. Lehtinen et al. (167, A&A **616A**, 185); 6th author

6. **XMM-Newton observation of MV Lyr and the sandwiched model confirmation**
A. Dobrotka, **J. -U. Ness** et al. (167, MNRAS **468**, 1183); 2nd author **3 cits.** (1.62E-3 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 33%)

7. **No Neon, but Jets in the Remarkable Recurrent Nova M31N 2008-12a? u2014Hubble Space Telescope Spectroscopy of the 2015 Eruption**

M. J. Darnley et al. (167, ApJ **847**, 35); 13th author **7 cits.** (3.78E-3 per year)

Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 43%)

8. **Counter-evidence against multiple frequency nature of 0.75 mHz oscillation in V4743 Sgr**

A. Dobrotka and **J. -U. Ness** (167, MNRAS **467**, 4865) **1 cit.** (5.40E-4 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 100%)

9. **Inflows, Outflows, and a Giant Donor in the Remarkable Recurrent Nova M31N 2008-12a?**
u2014Hubble Space Telescope Photometry of the 2015 Eruption
M. J. Darnley et al. (167, ApJ **849**, 96); 13th author **9 cits.** (4.86E-3 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 22%)
10. **M31N 2008-12a - The Remarkable Recurrent Nova in M31: Panchromatic Observations of the 2015 Eruption.**
M. J. Darnley et al. (167, ApJ **833**, 149); 9th author **49 cits.** (0.03 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 8%)
11. **A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption (Corrigendum)**
M. J. Darnley et al. (167, A&A **593C**, 3); 18th author **3 cits.** (1.62E-3 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 33%)
12. **Collimation and Asymmetry of the Hot Blast Wave from the Recurrent Nova V745 Sco**
Jeremy J. Drake et al. (167, ApJ **825**, 95); 9th author **4 cits.** (2.16E-3 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 25%)
13. **Pan-chromatic Observations of the Recurrent Nova LMC 2009a (LMC 1971b)**
M. F. Bode et al. (167, ApJ **818**, 145); 9th author **12 cits.** (6.48E-3 per year)
Self-citations: 0 (1st auth., 0%), 5 (all ref. papers, 42%)
14. **X-ray Flashes in Recurrent Novae: M31N 2008-12a and the Implications of the Swift Nondetection**
Mariko Kato et al. (167, ApJ **830**, 40); 4th author **10 cits.** (5.40E-3 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 40%)
15. **Fast stochastic variability study of two SU UMa systems V1504 Cyg and V344 Lyr observed by Kepler satellite**
A. Dobrotka, J. -U. Ness, and I. Bajcickova (167, MNRAS **460**, 458) **2 cits.** (1.08E-3 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 50%)
16. **Differences in the fast optical variability of the dwarf nova V1504 Cyg between quiescence and outbursts detected in Kepler data and simulations of the rms-flux relations**
A. Dobrotka and J. -U. Ness (167, MNRAS **451**, 2851) **4 cits.** (2.16E-3 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 50%)
17. **A remarkable recurrent nova in M 31: The predicted 2014 outburst in X-rays with Swift**
M. Henze, J. -U. Ness et al. (167, A&A **580A**, 46); 2nd author **58 cits.** (0.03 per year)
Self-citations: 0 (1st auth., 0%), 8 (all ref. papers, 14%)
18. **Swift detection of the super-swift switch-on of the super-soft phase in nova V745 Sco (2014)**
K. L. Page et al. (167, MNRAS **454**, 3108); 14th author **14 cits.** (7.56E-3 per year)
Self-citations: 0 (1st auth., 0%), 5 (all ref. papers, 36%)
19. **Rms-flux relation and fast optical variability simulations of the nova-like system MV Lyr**

- A. Dobrotka, and **J. -U. Ness** (167, MNRAS **447**, 3162) **6 cits.** (3.24E-3 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 33%)
20. **Pan-Chromatic Observations of the Remarkable Nova Large Magellanic Cloud 2012**
Greg J. Schwarz et al. (167, AJ **149**, 95); 9th author **7 cits.** (3.78E-3 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 43%)
21. **A remarkable recurrent nova in M 31: The optical observations**
M. J. Darnley et al. (167, A&A **563L**, 9); 5th author **71 cits.** (0.04 per year)
Self-citations: 0 (1st auth., 0%), 9 (all ref. papers, 13%)
22. **Resolving different sources of fast X-ray variability of the dwarf nova RU Peg in quiescence**
A. Dobrotka, and **J. -U. Ness** (167, MNRAS **438**, 1714) **9 cits.** (4.86E-3 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 44%)
23. **A remarkable recurrent nova in M 31: The X-ray observations**
M. Henze, **J. -U. Ness** et al. (167, A&A **563L**, 8); 2nd author **67 cits.** (0.04 per year)
Self-citations: 0 (1st auth., 0%), 10 (all ref. papers, 15%)
24. **MAXI J1659-152: the shortest orbital period black-hole transient in outburst**
E. Kuulkers et al. (167, A&A **552A**, 32); 11th author **53 cits.** (0.03 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
25. **Analytical approximations to numerical solutions of theoretical emission measure distributions**
C. Jordan, **J. -U. Ness**, and S. A. Sim (167, MNRAS **419**, 2987) **2 cits.** (1.08E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
26. **A phenomenological model for the X-ray spectrum of nova V2491 Cygni**
C. Pinto, **J. -U. Ness** et al. (167, A&A **543A**, 134); 2nd author **9 cits.** (4.86E-3 per year)
Self-citations: 1 (1st auth., 11%), 1 (all ref. papers, 11%)
27. **Infrared observations of the recurrent nova T Pyxidis: ancient dust banks in the warm glow of the 2011 outburst; SUP_i u2605_i/SUP_i**
A. Evans et al. (167, MNRAS **424L**, 69); 8th author **11 cits.** (5.94E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
28. **The outburst of Nova CSS 081007:030559+054715 (HV Ceti)**
A. P. Beardmore et al. (167, A&A **545A**, 116); 10th author **14 cits.** (7.56E-3 per year)
Self-citations: 1 (1st auth., 7%), 3 (all ref. papers, 21%)
29. **X-Ray Study of Rekindled Accretion in the Classical Nova V2491 Cygni**
Dai Takei, **Jan-Uwe Ness** et al. (167, PASJ **63S**, 729); 2nd author **5 cits.** (2.70E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
30. **Swift X-Ray Observations of Classical Novae. II. The Super Soft Source Sample**
Greg J. Schwarz, **Jan-Uwe Ness** et al. (167, ApJS **197**, 31); 2nd author **97 cits.** (0.05

per year)

Self-citations: 3 (1st auth., 3%), 13 (all ref. papers, 13%)

31. **Close to the Dredge: Precise X-Ray C and N Abundances in u03bb Andromeda and Its Precocious Red Giant Branch Mixing Problem**
Jeremy J. Drake et al. (167, AJ **142**, 144); 4th author **2 cits.** (1.08E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
32. **Swift observations of the March 2011 outburst of the cataclysmic variable NSV 1436: a probable dwarf nova**
J. P. Osborne et al. (167, A&A **533A**, 41); 4th author **2 cits.** (1.08E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
33. **Multi-wavelength observations of Proxima Centauri**
B. Fuhrmeister et al. (167, A&A **534A**, 133); 8th author **30 cits.** (1.62E-2 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
34. **The Supersoft X-ray Phase of Nova RS Ophiuchi 2006**
J. P. Osborne et al. (167, ApJ **727**, 124); 7th author **80 cits.** (0.04 per year)
Self-citations: 4 (1st auth., 5%), 14 (all ref. papers, 18%)
35. **Beginning of the super-soft phase of the classical nova V2491 Cygni**
D. Takei and J. -U. Ness (166, AN **331**, 183) **3 cits.** (1.62E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
36. **The Dusty Nova V1065 Centauri (Nova Cen 2007): a Spectroscopic Analysis of Abundances and Dust Properties**
L. Andrew Helton et al. (166, AJ **140**, 1347); 7th author **25 cits.** (1.35E-2 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 4%)
37. **The peculiar dust shell of Nova DZ Cru (2003)**
A. Evans et al. (166, MNRAS **406L**, 85); 10th author **12 cits.** (6.48E-3 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 8%)
38. **Multifrequency nature of the 0.75 mHz feature in the X-ray light curves of the nova V4743 Sgr**
A. Dobrotka and J. -U. Ness (166, MNRAS **405**, 2668) **14 cits.** (7.56E-3 per year)
Self-citations: 3 (1st auth., 21%), 6 (all ref. papers, 43%)
39. **Expanding atmosphere models for SSS spectra of novae**
D. R. van Rossum and J. -U. Ness (166, AN **331**, 175) **20 cits.** (1.08E-2 per year)
Self-citations: 3 (1st auth., 15%), 7 (all ref. papers, 35%)
40. **Swift observations of CSS081007:030559+054715**
A. P. Beardmore et al. (166, AN **331**, 156); 7th author **7 cits.** (3.78E-3 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 43%)
41. **Swift observations of the X-ray and UV evolution of V2491 Cyg (Nova Cyg 2008 No. 2)**
K. L. Page et al. (166, MNRAS **401**, 121); 10th author **51 cits.** (0.03 per year)
Self-citations: 3 (1st auth., 6%), 14 (all ref. papers, 27%)
42. **Pre-nova X-ray observations of V2491 Cygni (Nova Cyg 2008b)**
A. Ibarra et al. (166, A&A **497L**, 5); 5th author **21 cits.** (1.13E-2 per year)
Self-citations: 1 (1st auth., 5%), 5 (all ref. papers, 24%)

43. **Suzaku Detection of Superhard X-Ray Emission from the Classical Nova V2491 Cygni**
D. Takei et al. (166, ApJ **697L**, 54); 4th author **17 cits.** (9.18E-3 per year)
Self-citations: 1 (1st auth., 6%), 4 (all ref. papers, 24%)
44. **Evolution of X-Ray Spectra and Light Curves of V1494 Aquilae**
J. G. Rohrbach, J. -U. Ness, and S. Starrfield (166, AJ **137**, 4627) **12 cits.** (6.48E-3 per year)
Self-citations: 3 (1st auth., 25%), 5 (all ref. papers, 42%)
45. **X-ray and UV observations of nova V598 Puppis between 147 and 255 days after outburst**
K. L. Page et al. (166, A&A **507**, 923); 5th author **6 cits.** (3.24E-3 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 33%)
46. **X-Ray Spectroscopic Diagnosis of a Wind-Collimated Blast Wave and Metal-Rich Ejecta from the 2006 Explosion of RS Ophiuchi**
Jeremy J. Drake et al. (166, ApJ **691**, 418); 3rd author **24 cits.** (1.30E-2 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 13%)
47. **Doppler imaging an X-ray flare on the ultrafast rotator BO Mic. A contemporaneous multiwavelength study using XMM-Newton and VLT**
U. Wolter et al. (166, A&A **478L**, 11); 4th author **9 cits.** (4.86E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
48. **Nova V2362 Cygni (nova Cygni 2006): Spitzer, Swift, and Ground-Based Spectral Evolution**
David K. Lynch et al. (166, AJ **136**, 1815); 11th author **37 cits.** (0.02 per year)
Self-citations: 1 (1st auth., 3%), 7 (all ref. papers, 19%)
49. **Coronal properties of the EQ Pegasi binary system**
C. Liefke, J. -U. Ness et al. (166, A&A **491**, 859); 2nd author **15 cits.** (8.10E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
50. **Spitzer and Ground-based Infrared Observations of the 2006 Eruption of RS Ophiuchi**
A. Evans et al. (166, ApJ **663L**, 29); 14th author **21 cits.** (1.13E-2 per year)
Self-citations: 2 (1st auth., 10%), 4 (all ref. papers, 19%)
51. **Silicate Dust in the Environment of RS Ophiuchi following the 2006 Eruption**
A. Evans et al. (166, ApJ **671L**, 157); 15th author **30 cits.** (1.62E-2 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 7%)
52. **Infrared observations of the 2006 outburst of the recurrent nova RS Ophiuchi: the early phase**
A. Evans et al. (166, MNRAS **374L**, 1); 15th author **32 cits.** (1.73E-2 per year)
Self-citations: 1 (1st auth., 3%), 7 (all ref. papers, 22%)
53. **X-ray accretion signatures in the close CTTS binary V4046 Sagittarii**
H. M. Günther et al. (166, A&A **459L**, 29); 5th author **66 cits.** (0.04 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

54. **Variability and multiperiodic oscillations in the X-ray light curve of the classical nova V4743 Sgr**
E. Leibowitz et al. (166, MNRAS **371**, 424); 5th author **18 cits.** (9.72E-3 per year)
Self-citations: 2 (1st auth., 11%), 5 (all ref. papers, 28%)
55. **Swift Observations of the 2006 Outburst of the Recurrent Nova RS Ophiuchi. I. Early X-Ray Emission from the Shocked Ejecta and Red Giant Wind**
Self-citations: 5 (1st auth., 4%), 27 (all ref. papers, 21%)
56. **On the nature of the X-ray source in GK Persei**
S. Vrielmann, J. -U. Ness, and J. H. M. M. Schmitt (166, A&A **439**, 287) **20 cits.** (1.08E-2 per year)
Self-citations: 1 (1st auth., 5%), 1 (all ref. papers, 5%)
57. **Detection of X-ray emission from u03b2 Pictoris with XMM-Newton: a cool corona, a boundary layer or what?**
M. Hempel et al. (166, A&A **440**, 727); 3rd author **16 cits.** (8.64E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
58. **Coronal Evolution of the Sun in Time: High-Resolution X-Ray Spectroscopy of Solar Analogs with Different Ages**
Alessandra Telleschi et al. (166, ApJ **622**, 653); 5th author **109 cits.** (0.06 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 1%)
59. **X-rays from accretion shocks in T Tauri stars: The case of BP Tau**
J. H. M. M. Schmitt et al. (166, A&A **432L**, 35); 3rd author **88 cits.** (0.05 per year)
Self-citations: 1 (1st auth., 1%), 2 (all ref. papers, 2%)
60. **Modeling CHANDRA low energy transmission grating spectrometer observations of classical novae with PHOENIX. I. V4743 Sagittarii**
A. Petz et al. (166, A&A **431**, 321); 3rd author **34 cits.** (0.02 per year)
Self-citations: 3 (1st auth., 9%), 12 (all ref. papers, 35%)
61. **Spatially resolved X-ray emission of EQ Pegasi**
J. Robrade, J. -U. Ness, and J. H. M. M. Schmitt (166, A&A **413**, 317) **11 cits.** (5.94E-3 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 9%)
62. **Is T Leonis a superoutbursting intermediate polar?**
S. Vrielmann, J. -U. Ness, and J. H. M. M. Schmitt (166, A&A **419**, 673) **6 cits.** (3.24E-3 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
63. **Coronal abundances from high-resolution X-ray data: The case of Algol**
J. H. M. M. Schmitt and J. -U. Ness (166, A&A **415**, 1099) **22 cits.** (1.19E-2 per year)
Self-citations: 4 (1st auth., 18%), 5 (all ref. papers, 23%)
64. **A spatially resolved limb flare on Algol B observed with XMM-Newton**
J. H. M. M. Schmitt, J. -U. Ness, and G. Franco (166, A&A **412**, 849) **24 cits.** (1.30E-2 per year)
Self-citations: 1 (1st auth., 4%), 1 (all ref. papers, 4%)
65. **Chandra-LETGS X-ray observation of alpha Centauri: A nearby (G2V + K1V) binary system**

A. J. J. Raassen, **J. -U. Ness** et al. (166, A&A **400**, 671); 2nd author **55 cits.** (0.03 per year)

Self-citations: 1 (1st auth., 2%), 3 (all ref. papers, 5%)

66. **Simultaneous X-ray spectroscopy of YY Gem with Chandra and XMM-Newton**
B. Stelzer et al. (166, A&A **392**, 585); 5th author **47 cits.** (0.03 per year)

Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 2%)

67. **Carbon and nitrogen abundances in the coronae of Algol B and other evolved stars: Evidence for CNO-cycle processed material**

J. H. M. M. Schmitt and **J. -U. Ness** (166, A&A **388L**, 13) **21 cits.** (1.13E-2 per year)

Self-citations: 4 (1st auth., 19%), 7 (all ref. papers, 33%)

68. **First Light Measurements of Capella with the Low-Energy Transmission Grating Spectrometer aboard the Chandra X-Ray Observatory**

A. C. Brinkman et al. (166, ApJ **530L**, 111); 14th author **148 cits.** (0.08 per year)

Self-citations: 2 (1st auth., 1%), 5 (all ref. papers, 3%)