

Curriculum Vitae
DR. JAN-UWE NESS
 European Space Agency
 ESAC, Apartado 78
 28691 Villanueva de la Cañada, Madrid, Spain
 born 28 September, 1970, Germany



Positions	since 2009	European Space Agency
	since 2018	Operations Scientist in XMM-Newton and INTEGRAL
	since 2019	ESAC Research Fellowship Coordinator
	since 2018	Coordinator for Virtual Observatory (VO) Protocols
	since 2020	Member of Staff Association Committee (SAC); also 2013-2017 <i>For details, see extra sheet</i>
	2006-2008	Arizona State University , Phoenix, AZ, USA <i>Chandra</i> Fellow Scientific research in X-ray astronomy
	2004-2006	University of Oxford, UK Research Associate at Dep. of Theor. Physics
	1999-2004	University of Hamburg, Germany
	2002-2004	Post-doc at Hamburger Sternwarte
	1999-2002	PhD Student at Hamburger Sternwarte
	1997-1998	University of Kiel, Germany Teaching Assistant
Education	May 2002	Ph.D. in Astrophysics at University of Hamburg, Germany
	<i>PhD Thesis on</i>	HIGH-RESOLUTION X-RAY PLASMA DIAGNOSTICS OF STELLAR CORONAE
	Dec 1998	Graduation in Astrophysics at University of Kiel, Germany
	<i>Diploma 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
Languages	German	Mother tongue
	English	Fluent
	Spaninsh	Fluent
	French	Poor

ESA Training	2020	Effective Interpersonal Communication (registered for Oct.) SAC Newcomers
	2019	Conflict Management
	2018	Professional Networking Winning Hearts and Minds
	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
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	2019/2020	RF Interview Board
	since 2020	ESAC Staff Association Committee (SAC): Responsibilities: RF representative, CSAC HR Working group
	2013-2017	ESAC SAC, Responsibilities: Treasurer, CSAC Diversity, CSAC Conflict prevention, RF representative
	2011-2013	Member in ESAC Faculty Council (Treasurer)
	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	since 2019	ESAC Research Fellowship Coordinator
	since 2018	Coordination of an ESAC/ESTEC VO team
	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	Treasurer of ESAC Space Shop (until 2019)
	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 in Hamburg, Germany, Oña/Burgos, Spain,
	NDR Radio Station (Rundfunkorgel), Hamburg, Germany
Telephone counselling in AIDS centre and gay switchboard	

Activities at ESA

DR. JAN-UWE NESS

- Research Fellowship Coordinator:
2019 Recruitment: Shared ESAC/ESTEC Opening, 80 applications, formed ESAC reviewboard + liaised with faculty for expert reviews, 24 SONRU interviews, 16 personal interviews, 9 recruited.
Continuous Improvement of Programme: Created interaction platform in Confluence hosting relevant ESA links, career advice, travel overview table, presentation slides of All Hands meetings. Created an alumni portal: <https://www.cosmos.esa.int/web/esac-science-faculty/research-fellows-alumni> as indicator for attractiveness of programme (what has become of former fellows); also targeting potential candidates. Developed and formulated new Roles & Responsibilities or Line Management, Fellows, and Mentors.
Competencies: *Planning/Organisation, Communication, Customer focus, Relationship Management, creativity*
- Scientific Research in Classical Novae and Stellar Coronae. Outputs:
 - 1 Publication List with statistics attached
 - 2 Principal Investigator in 13 observing proposals (10 XMM-Newton, 5 Chandra)
 - 3 Supervise various visitors and students including ESA Research Fellow and Trainees
 - 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**
- 7 years member ESAC Staff Association Committee
Representing Staff, Specific Roles: Treasurer, CSAC Working Groups (WGs) on HR, Conflict prevention, Diversity, Local WGs Social Clubs, Canteen
Serving others, Negotiation, team work, networking, going the extra mile
- Chair of Local Organising Committee of seven scientific conferences
Multitasking, work towards strict deadlines, Negotiation, budget
- 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)
- Coordinate a team of engineers and scientists to define standardised VO (Virtual Observatory) protocols for observatory visibility (ObjVisSAP) and observatory observing plans (ObsLocTAP): Liaise with > 100 observatory operators worldwide to implement a service based on these protocols.
Team leadership, Delegation, Customer focus, Relationship Management
- XMM-Newton long-term plan: Respect scientific+operational constraints, coordinate simultaneous observations with other missions.
Planning/Organisation, Relationship Management (Liaise with other observatory operators), Customer focus
- Monitor publications using XMM-Newton and INTEGRAL data
Planning/Organisation, Communication (with authors), Relationship Management (built excellent relations with ADS developers), Software development

Presentations at international conferences

Invited talks

Feb 2019	INTEGRAL looks AHEAD to Multi-Messenger Astrophysics	Geneva, Switzerland
Nov 2018	Review talk at ESA-SCI Science Workshop#11	Akersloot, The Netherlands
Jun 2017	From Cooling to Explosion: The Physics of White Dwarfs	Tossa del Mar, Spain
Sep 2013	The Golden Age of Cataclysmic Variables and Related Objects II	Palermo, Italia
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

Apr 2019	Enabling Multi-Messenger Astrophysics in the Big Data Era	Baltimore, MA, USA
Jul 2018	42 nd Cospar Scientific Assembly	Pasadena, CA, USA
Jun 2018	Time Domain Astronomy: A High Energy View	ESAC, 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	Pavía, Italy
Nov 2016	SRE-SCI Science Workshop	Akersloot, The Netherlands
Nov 2014	SRE-SCI Science Workshop	Volendam, The Netherlands
Jun 2014	The X-ray Universe 2014	Dublin, Germany
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 as Principal Investigator (PI)

several co-I proposals not included

Year	Source	Project	Award
2019	XMM-Newton	Analysing high-amplitude variations during early SSS phase in novae	149,000 sec
2019	XMM-Newton	Increasing the sample of SSS grating spectra for novae	44,000 sec
2018	XMM-Newton	Analysing high-amplitude variations during early SSS phase in novae	149,000 sec
2017	XMM-Newton	Increasing the sample of SSS grating spectra for novae	44,000 sec
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

Apr 2020	Mullard Space Science Laboratory (MSSL), Dorking, UK (virtual)
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

1 Summary

	1 st Author	All	Fraction 1 st Auth.	First - Last
Refereed	33	120	27.5%	2000 - 2020
Hirsch (ref)	32	32		
Ref.+unref.	110	333	33.0%	2000 - 2020

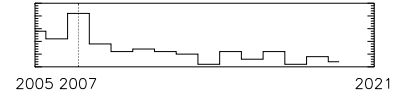
2 Refereed 1st author publications with highest impact

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 (2005) **102 cits.** (6.46 per year)

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

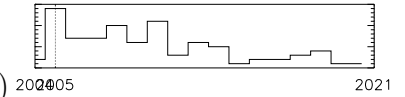


2. A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve

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

ApJ **594L**, 127 (2004) **85 cits.** (5.02 per year)

Self-citations: 10 (1st auth., 12%), 24 (all ref. papers, 28%)

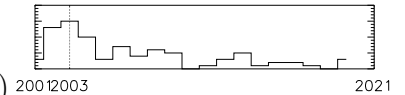


3. Helium-like triplet density diagnostics. Applications to CHANDRA-LETGS X-ray observations of Capella and Procyon

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 (2001) **84 cits.** (4.30 per year)

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

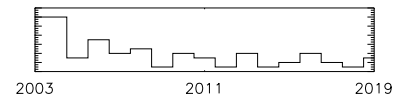


4. Coronal density diagnostics with Helium-like triplets: CHANDRA-LETGS observations of Algol, Capella, Procyon, epsilon Eri, alpha Cen A&B, UX Ari, AD Leo, YY Gem, and HR 1099

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 (2003) **69 cits.** (3.88 per year)

Self-citations: 5 (1st auth., 7%), 8 (all ref. papers, 12%)

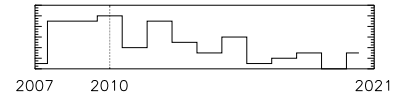


5. **The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton.**
I. Data and Preliminary Modeling

Authors: **J. -U. Ness**, S. Starrfield, A. P. Beardmore, M. F. Bode, J. J. Drake, A. Evans, R. D. Gehrz, M. R. Goad, R. Gonzalez-Riestra, P. Hauschildt, J. Krautter, T. J. O'Brien, J. P. Osborne, K. L. Page, R. A. Schönrich, C. E. Woodward

ApJ **665**, 1334 (2008) **65 cits.** (4.99 per year)

Self-citations: 9 (1st auth., 14%), 21 (all ref. papers, 32%)

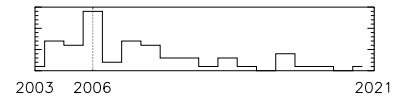


6. **Modeling the Ne IX Triplet Spectral Region of Capella with the Chandra and XMM-Newton Gratings**

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

ApJ **598**, 1277 (2004) **61 cits.** (3.65 per year)

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

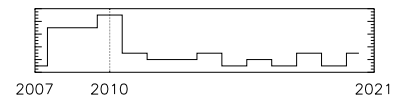


7. **Swift X-Ray Observations of Classical Novae**

Authors: **J. -U. Ness**, G. J. Schwarz, A. Retter, S. Starrfield, J. H. M. M. Schmitt, N. Gehrels, D. Burrows, J. P. Osborne

ApJ **663**, 505 (2008) **45 cits.** (3.43 per year)

Self-citations: 4 (1st auth., 9%), 14 (all ref. papers, 31%)

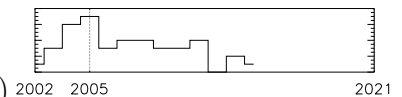


8. **CORA - emission line fitting with Maximum Likelihood**

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

AN **323**, 129 (2003) **41 cits.** (2.26 per year)

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

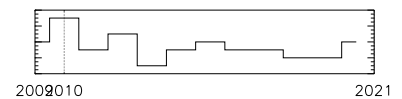


9. **High-Resolution X-Ray Spectroscopy of the Evolving Shock in the 2006 Outburst of RS Ophiuchi**

Authors: **J. -U. Ness**, J. J. Drake, S. Starrfield, M. F. Bode, T. J. O'Brien, A. Evans, S. P. S. Eyres, L. A. Helton, J. P. Osborne, K. L. Page, C. Schneider, C. E. Woodward

AJ **137**, 3414 (2009) **41 cits.** (3.56 per year)

Self-citations: 6 (1st auth., 15%), 14 (all ref. papers, 34%)

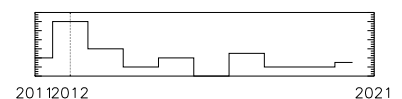


10. **XMM-Newton X-ray and Ultraviolet Observations of the Fast Nova V2491 Cyg during the Supersoft Source Phase**

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 (2011) **40 cits.** (4.31 per year)

Self-citations: 4 (1st auth., 10%), 12 (all ref. papers, 30%)



Total #citations: 633; Maximum of 6.46 citations per year

3 First Author in Refereed Journals

1. The complications of learning from Super Soft Source X-ray spectra

Authors: **Jan-Uwe Ness**

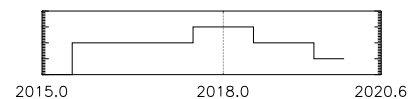
AdSpR **66**, 1202 (2021)

2. 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 (2015) **16 cits.** (3.08 per year)

Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 19%)

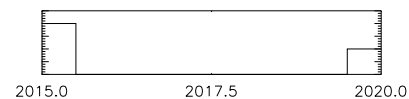


3. Early Super Soft Source Spectra in RS Oph

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

AcPPP **2**, 222 (2015) **3 cits.** (0.53 per year)

Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 67%)



4. 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 (2014) **2 cits.** (0.31 per year)

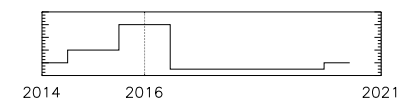
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

5. 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 (2014) **33 cits.** (4.87 per year)

Self-citations: 2 (1st auth., 6%), 11 (all ref. papers, 33%)

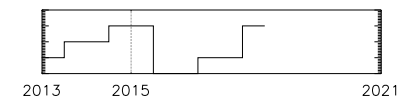


6. High-resolution spectroscopy and high-density monitoring in X-rays of novae

Authors: **J. U. Ness**

BASI **40**, 353 (2013) **10 cits.** (1.26 per year)

Self-citations: 2 (1st auth., 20%), 4 (all ref. papers, 40%)

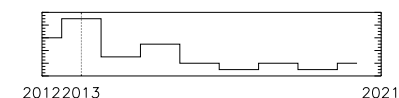


7. From X-Ray Dips to Eclipse: Witnessing Disk Reformation in the Recurrent Nova U Sco

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 (2012) **31 cits.** (3.60 per year)

Self-citations: 4 (1st auth., 13%), 11 (all ref. papers, 35%)

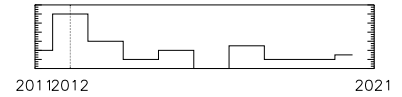


8. **XMM-Newton X-ray and Ultraviolet Observations of the Fast Nova V2491 Cyg during the Supersoft Source Phase**

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 (2011) **40 cits.** (4.31 per year)

Self-citations: 4 (1st auth., 10%), 12 (all ref. papers, 30%)

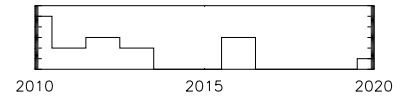


9. **Observational evidence for expansion in the SSS spectra of novae**

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

AN **331**, 179 (2010) **16 cits.** (1.52 per year)

Self-citations: 4 (1st auth., 25%), 8 (all ref. papers, 50%)

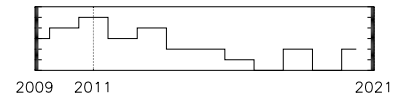


10. **Swift X-Ray and Ultraviolet Monitoring of the Classical Nova V458 Vul (Nova Vul 2007)**

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 (2009) **28 cits.** (2.48 per year)

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

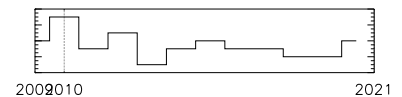


11. **High-Resolution X-Ray Spectroscopy of the Evolving Shock in the 2006 Outburst of RS Ophiuchi**

Authors: **J. -U. Ness**, J. J. Drake, S. Starrfield, M. F. Bode, T. J. O'Brien, A. Evans, S. P. S. Eyres, L. A. Helton, J. P. Osborne, K. L. Page, C. Schneider, C. E. Woodward

AJ **137**, 3414 (2009) **41 cits.** (3.56 per year)

Self-citations: 6 (1st auth., 15%), 14 (all ref. papers, 34%)

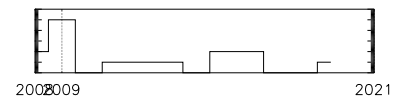


12. **The corona and upper transition region of epsilon Eridani**

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

MNRAS **385**, 1691 (2008) **15 cits.** (1.21 per year)

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

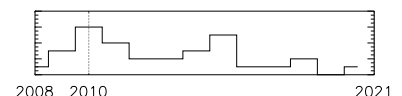


13. **V723 CASSIOPEIA Still on in X-Rays a Bright Super Soft Source 12 Years after Outburst**

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 (2008) **31 cits.** (2.51 per year)

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



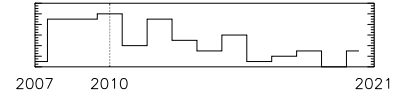
14. **The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton.**

I. Data and Preliminary Modeling

Authors: **J. -U. Ness**, S. Starrfield, A. P. Beardmore, M. F. Bode, J. J. Drake, A. Evans, R. D. Gehrz, M. R. Goad, R. Gonzalez-Riestra, P. Hauschildt, J. Krautter, T. J. O'Brien, J. P. Osborne, K. L. Page, R. A. Schönrich, C. E. Woodward

ApJ **665**, 1334 (2008) **65 cits.** (4.99 per year)

Self-citations: 9 (1st auth., 14%), 21 (all ref. papers, 32%)

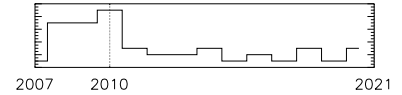


15. **Swift X-Ray Observations of Classical Novae**

Authors: **J. -U. Ness**, G. J. Schwarz, A. Retter, S. Starrfield, J. H. M. M. Schmitt, N. Gehrels, D. Burrows, J. P. Osborne

ApJ **663**, 505 (2008) **45 cits.** (3.43 per year)

Self-citations: 4 (1st auth., 9%), 14 (all ref. papers, 31%)



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

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

AdSpR **38**, 1494 (2006) **1 cit.** (0.07 per year)

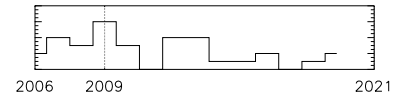
Self-citations: 1 (1st auth., 100%), 1 (all ref. papers, 100%)

17. **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 (2006) **33 cits.** (2.25 per year)

Self-citations: 6 (1st auth., 18%), 9 (all ref. papers, 27%)

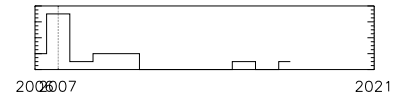


18. **Anomalous X-ray line ratios in the cTTS TW Hydrae**

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

A&A **444L**, 41 (2006) **16 cits.** (1.09 per year)

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

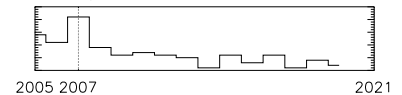


19. **On the sizes of stellar X-ray coronae**

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

A&A **427**, 667 (2005) **102 cits.** (6.46 per year)

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

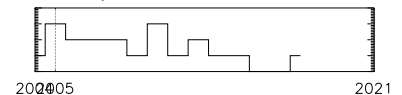


20. **X-ray emission from Saturn**

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

A&A **418**, 337 (2004) **20 cits.** (1.22 per year)

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

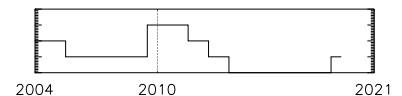


21. **Detection of Saturnian X-ray emission with XMM-Newton**

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

A&A **414L**, 49 (2004) **18 cits.** (1.08 per year)

Self-citations: 1 (1st auth., 6%), 2 (all ref. papers, 11%)

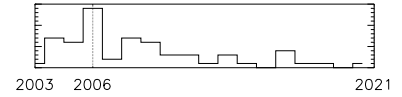


22. **Modeling the Ne IX Triplet Spectral Region of Capella with the Chandra and XMM-Newton Gratings**

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

ApJ **598**, 1277 (2004) **61 cits.** (3.65 per year)

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



23. **High-resolution X-ray Plasma Diagnostics of Stellar Coronae in the XMM-Newton and Chandra Era (With 8 Figures)**

Authors: **Jan-Uwe Ness**

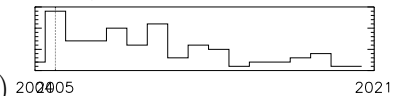
RvMA **17**, 189 (2004)

24. **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. Orio, M. Hernanz, R. D. Gehrz, C. E. Woodward, Y. Butt, K. Mukai, S. Balman, J. W. Truran

ApJ **594L**, 127 (2004) **85 cits.** (5.02 per year)

Self-citations: 10 (1st auth., 12%), 24 (all ref. papers, 28%)

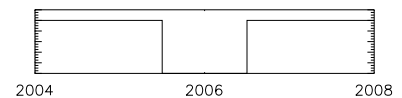


25. **Coronal densities and temperatures for cool stars in different stages of activity**

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

AdSpR **32**, 937 (2004) **4 cits.** (0.24 per year)

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

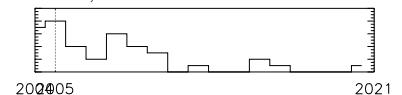


26. **Are stellar coronae optically thin in X-rays?. A systematic investigation of opacity effects**

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

A&A **407**, 347 (2004) **39 cits.** (2.29 per year)

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

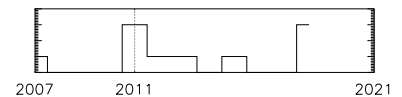


27. **Catalpa bignonioides alters extrafloral nectar production after herbivory and attracts ant bodyguards**

Authors: **J. Ness**

Oecol **134**, 210 (2003) **10 cits.** (0.57 per year)

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

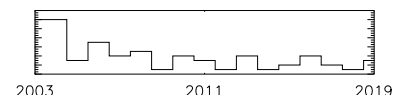


28. **Coronal density diagnostics with Helium-like triplets: CHANDRA-LETGS observations of Algol, Capella, Procyon, epsilon Eri, alpha Cen A&B, UX Ari, AD Leo, YY Gem, and HR 1099**

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 (2003) **69 cits.** (3.88 per year)

Self-citations: 5 (1st auth., 7%), 8 (all ref. papers, 12%)

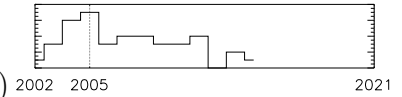


29. **CORA - emission line fitting with Maximum Likelihood**

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

AN **323**, 129 (2003) **41 cits.** (2.26 per year)

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

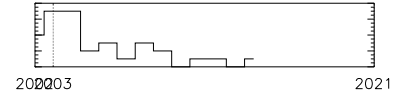


30. **Chandra LETGS observation of the active binary Algol**

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

A&A **387**, 1032 (2002) **32 cits.** (1.76 per year)

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



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

Authors: **Jan-Uwe Ness**

PhDT **3N**, (2002) **1 cit.** (0.05 per year)

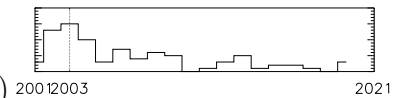
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

32. **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 (2001) **84 cits.** (4.30 per year)

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

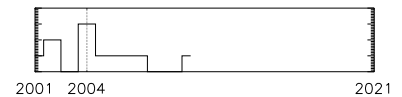


33. **A search for X-ray emission from Saturn, Uranus and Neptune**

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

A&A **355**, 394 (2000) **10 cits.** (0.49 per year)

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



4 (Co-)Authorship in Refereed Journals

1. **X-ray spectroscopy of the -ray brightest nova V906 Car (ASASSN-18fv)**

Kirill V. Sokolovsky et al. (2020, MNRAS **497**, 2569)

2. **Jupiter's X-ray Emission During the 2007 Solar Minimum**

W. R. Dunn et al. (2020, JGRA **12527219D**,) **1 cit.** (5.08 per year)

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

3. **Chandra High Energy Transmission Gratings Spectra of V3890 Sgr**

M. Orío et al. (2020, ApJ **895**, 80) **1 cit.** (5.08 per year)

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

4. **Thermal stability of winds driven by radiation pressure in super-Eddington accretion discs**

C. Pinto et al. (2020, MNRAS **491**, 5702) **5 cits.** (9.43 per year)

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

5. **Data-driven modelling of the Van Allen Belts: The 5DRBM model for trapped electrons**

Lionel Metrailler et al. (2020, AdSpR **64**, 1701)

6. **Structure-Based Change in the Rate-Limiting Step of Photosynthetic Electron Transport**
William A. Cramer et al. (2019, BpJ **116R**, 154)
7. **A recurrent nova super-remnant in the Andromeda galaxy**
M. J. Darnley et al. (2019, Natur **565**, 460) **8 cits.** (4.96 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 13%)
8. **Multiwavelength observations of V407 Lupi (ASASSN-16kt) - a very fast nova erupting in an intermediate polar**
E. Aydi et al. (2019, MNRAS **480**, 572) **4 cits.** (2.15 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
9. **Optogenetic interrogation of neurovascular coupling in the cerebral cortex of transgenic mice**
Farid Atry et al. (2019, JNEng **15e6033A**,)
10. **Digitization and astrometric calibration of Carte du Ciel photographic plates with Gaia DR1**
K. Lehtinen et al. (2019, A&A **616A**, 185)
11. **Carbon X-ray absorption in the local ISM: Fingerprints in X-ray Novae spectra**
Efrain Gatuzz et al. (2019, MNRAS **479**, 2457) **4 cits.** (2.05 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 25%)
12. **Suicide and all-cause mortality following routine hospital management of self-harm: Propensity score analysis using multicentre cohort data**
Sarah Steeg et al. (2019, PLoSO **1304670S**,)
13. **What We Learn from the X-Ray Grating Spectra of Nova SMC 2016**
M. Orio et al. (2019, ApJ **862**, 164) **4 cits.** (1.97 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
14. **Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova M31N 2008-12a**
M. Henze et al. (2018, ApJ **857**, 68) **20 cits.** (8.46 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 10%)
15. **Inflows, Outflows, and a Giant Donor in the Remarkable Recurrent Nova M31N 2008-12a?Hubble Space Telescope Photometry of the 2015 Eruption**
M. J. Darnley et al. (2018, ApJ **849**, 96) **15 cits.** (5.40 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 20%)
16. **No Neon, but Jets in the Remarkable Recurrent Nova M31N 2008-12a?Hubble Space Telescope Spectroscopy of the 2015 Eruption**
M. J. Darnley et al. (2018, ApJ **847**, 35) **12 cits.** (4.07 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 25%)
17. **XMM-Newton observation of MV Lyr and the sandwiched model confirmation**
A. Dobrotka et al. (2017, MNRAS **468**, 1183) **4 cits.** (1.25 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 25%)
18. **Counter-evidence against multiple frequency nature of 0.75 mHz oscillation in V4743 Sgr**
A. Dobrotka and J. -U. Ness (2017, MNRAS **467**, 4865) **3 cits.** (0.94 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 33%)

19. **The supersoft X-ray source in V5116 Sagittarii. I. The high resolution spectra**
G. Sala et al. (2017, A&A **601A**, 93) **3 cits.** (0.91 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
20. **M31N 2008-12a - The Remarkable Recurrent Nova in M31: Panchromatic Observations of the 2015 Eruption.**
M. J. Darnley et al. (2017, ApJ **833**, 149) **68 cits.** (18.39 per year)
Self-citations: 0 (1st auth., 0%), 6 (all ref. papers, 9%)
21. **X-ray Flashes in Recurrent Novae: M31N 2008-12a and the Implications of the Swift Nondetection**
Mariko Kato et al. (2017, ApJ **830**, 40) **11 cits.** (2.85 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 36%)
22. **A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption (Corrigendum)**
M. J. Darnley et al. (2017, A&A **593C**, 3) **4 cits.** (1.01 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 25%)
23. **Collimation and Asymmetry of the Hot Blast Wave from the Recurrent Nova V745 Sco**
Jeremy J. Drake et al. (2017, ApJ **825**, 95) **9 cits.** (2.19 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 22%)
24. **Fast stochastic variability study of two SU UMa systems V1504 Cyg and V344 Lyr observed by Kepler satellite**
A. Dobrotka, and I. Bajiakova (2017, MNRAS **460**, 458) **3 cits.** (0.73 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 33%)
25. **Pan-chromatic Observations of the Recurrent Nova LMC 2009a (LMC 1971b)**
M. F. Bode et al. (2016, ApJ **818**, 145) **15 cits.** (3.31 per year)
Self-citations: 0 (1st auth., 0%), 5 (all ref. papers, 33%)
26. **Swift detection of the super-swift switch-on of the super-soft phase in nova V745 Sco (2014)**
K. L. Page et al. (2016, MNRAS **454**, 3108) **24 cits.** (5.11 per year)
Self-citations: 0 (1st auth., 0%), 6 (all ref. papers, 25%)
27. **A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption**
M. J. Darnley et al. (2016, A&A **580A**, 45) **67 cits.** (13.32 per year)
Self-citations: 0 (1st auth., 0%), 10 (all ref. papers, 15%)
28. **A remarkable recurrent nova in M 31: The predicted 2014 outburst in X-rays with Swift**
M. Henze et al. (2016, A&A **580A**, 46) **68 cits.** (13.52 per year)
Self-citations: 0 (1st auth., 0%), 8 (all ref. papers, 12%)
29. **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 (2016, MNRAS **451**, 2851) **8 cits.** (1.59 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 25%)

30. **Pan-Chromatic Observations of the Remarkable Nova Large Magellanic Cloud 2012**
 Greg J. Schwarz et al. (2015, AJ **149**, 95) **8 cits.** (1.47 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 38%)
31. **Rms-flux relation and fast optical variability simulations of the nova-like system MV Lyr**
 A. Dobrotka, and J. -U. Ness (2015, MNRAS **447**, 3162) **8 cits.** (1.47 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 25%)
32. **A remarkable recurrent nova in M 31: The optical observations**
 M. J. Darnley et al. (2014, A&A **563L**, 9) **81 cits.** (12.56 per year)
Self-citations: 0 (1st auth., 0%), 10 (all ref. papers, 12%)
33. **A remarkable recurrent nova in M 31: The X-ray observations**
 M. Henze et al. (2014, A&A **563L**, 8) **77 cits.** (11.94 per year)
Self-citations: 1 (1st auth., 1%), 12 (all ref. papers, 16%)
34. **Resolving different sources of fast X-ray variability of the dwarf nova RU Peg in quiescence**
 A. Dobrotka, and J. -U. Ness (2014, MNRAS **438**, 1714) **11 cits.** (1.68 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 36%)
35. **Does Clinical Management Improve Outcomes following Self-Harm? Results from the Multicentre Study of Self-Harm in England**
 Nav Kapur et al. (2014, PLoSO **870434K**,) **3 cits.** (0.43 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
36. **X-Ray Eclipse Diagnosis of the Evolving Mass Loss in the Recurrent Nova U Scorpii 2010**
 D. Takei et al. (2013, ApJ **769L**, 4) **3 cits.** (0.41 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
37. **MAXI J1659-152: the shortest orbital period black-hole transient in outburst**
 E. Kuulkers et al. (2013, A&A **552A**, 32) **62 cits.** (8.42 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
38. **The outburst of Nova CSS 081007:030559+054715 (HV Ceti)**
 A. P. Beardmore et al. (2013, A&A **545A**, 116) **16 cits.** (2.01 per year)
Self-citations: 1 (1st auth., 6%), 3 (all ref. papers, 19%)
39. **A phenomenological model for the X-ray spectrum of nova V2491 Cygni**
 C. Pinto et al. (2013, A&A **543A**, 134) **12 cits.** (1.48 per year)
Self-citations: 1 (1st auth., 8%), 2 (all ref. papers, 17%)
40. **Infrared observations of the recurrent nova T Pyxidis: ancient dust basks in the warm glow of the 2011 outburst;SUP_i/SUP_i**
 A. Evans et al. (2013, MNRAS **424L**, 69) **12 cits.** (1.48 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
41. **Analytical approximations to numerical solutions of theoretical emission measure distributions**
 C. Jordan, and S. A. Sim (2012, MNRAS **419**, 2987) **2 cits.** (0.23 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)

42. **Presenilin Is the Molecular Target of Acidic -Secretase Modulators in Living Cells**
Thorsten Jumpertz et al. (2012, PLoSO **730484J**,) **2 cits.** (0.23 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
43. **Swift X-Ray Observations of Classical Novae. II. The Super Soft Source Sample**
Greg J. Schwarz et al. (2012, ApJS **197**, 31) **107 cits.** (12.30 per year)
Self-citations: 4 (1st auth., 4%), 14 (all ref. papers, 13%)
44. **XMM-Newton Observations of the Dwarf Nova RU Peg in Quiescence: Probe of the Boundary Layer**
Sölen Balman et al. (2012, ApJ **741**, 84) **12 cits.** (1.37 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 8%)
45. **X-Ray Study of Rekindled Accretion in the Classical Nova V2491 Cygni**
Dai Takei et al. (2012, PASJ **63S**, 729) **6 cits.** (0.68 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
46. **Close to the Dredge: Precise X-Ray C and N Abundances in Andromeda and Its Precocious Red Giant Branch Mixing Problem**
Jeremy J. Drake et al. (2012, AJ **142**, 144) **3 cits.** (0.34 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
47. **Multi-wavelength observations of Proxima Centauri**
B. Fuhrmeister et al. (2012, A&A **534A**, 133) **37 cits.** (4.17 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
48. **Swift observations of the March 2011 outburst of the cataclysmic variable NSV 1436: a probable dwarf nova**
J. P. Osborne et al. (2012, A&A **533A**, 41) **2 cits.** (0.22 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
49. **The Supersoft X-ray Phase of Nova RS Ophiuchi 2006**
J. P. Osborne et al. (2011, ApJ **727**, 124) **86 cits.** (9.02 per year)
Self-citations: 5 (1st auth., 6%), 16 (all ref. papers, 19%)
50. **The Dusty Nova V1065 Centauri (Nova Cen 2007): a Spectroscopic Analysis of Abundances and Dust Properties**
L. Andrew Helton et al. (2011, AJ **140**, 1347) **30 cits.** (3.07 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 3%)
51. **Amyloid beta 42 peptide (A42)-lowering compounds directly bind to A and interfere with amyloid precursor protein (APP) transmembrane dimerization**
Luise Richter et al. (2011, PNAS **10714597R**,) **8 cits.** (0.80 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 13%)
52. **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 (2011, MNRAS **405**, 2668) **13 cits.** (1.29 per year)
Self-citations: 3 (1st auth., 23%), 6 (all ref. papers, 46%)
53. **The peculiar dust shell of Nova DZ Cru (2003)**
A. Evans et al. (2011, MNRAS **406L**, 85) **12 cits.** (1.19 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 8%)

54. **Expanding atmosphere models for SSS spectra of novae**
D. R. van Rossum and **J. -U. Ness** (2010, AN **331**, 175) **19 cites.** (1.80 per year)
Self-citations: 4 (1st auth., 21%), 7 (all ref. papers, 37%)
55. **Swift observations of CSS081007:030559+054715**
A. P. Beardmore et al. (2010, AN **331**, 156) **8 cites.** (0.76 per year)
Self-citations: 0 (1st auth., 0%), 3 (all ref. papers, 38%)
56. **Beginning of the super-soft phase of the classical nova V2491 Cygni**
D. Takei and **J. -U. Ness** (2010, AN **331**, 183) **3 cites.** (0.28 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
57. **Swift observations of the X-ray and UV evolution of V2491 Cyg (Nova Cyg 2008 No. 2)**
K. L. Page et al. (2010, MNRAS **401**, 121) **52 cites.** (4.90 per year)
Self-citations: 3 (1st auth., 6%), 14 (all ref. papers, 27%)
58. **X-ray and UV observations of nova V598 Puppis between 147 and 255 days after outburst**
K. L. Page et al. (2010, A&A **507**, 923) **6 cites.** (0.56 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 33%)
59. **Evolution of X-Ray Spectra and Light Curves of V1494 Aquilae**
J. G. Rohrbach, and **S. Starrfield** (2009, AJ **137**, 4627) **12 cites.** (1.07 per year)
Self-citations: 3 (1st auth., 25%), 5 (all ref. papers, 42%)
60. **Suzaku Detection of Superhard X-Ray Emission from the Classical Nova V2491 Cygni**
D. Takei et al. (2009, ApJ **697L**, 54) **19 cites.** (1.68 per year)
Self-citations: 1 (1st auth., 5%), 4 (all ref. papers, 21%)
61. **Pre-nova X-ray observations of V2491 Cygni (Nova Cyg 2008b)**
A. Ibarra et al. (2009, A&A **497L**, 5) **21 cites.** (1.85 per year)
Self-citations: 1 (1st auth., 5%), 5 (all ref. papers, 24%)
62. **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. (2009, ApJ **691**, 418) **25 cites.** (2.15 per year)
Self-citations: 0 (1st auth., 0%), 4 (all ref. papers, 16%)
63. **X-Ray Spectroscopy of the Classical Nova V458 Vulpeculae with Suzaku**
Masahiro Tsujimoto et al. (2009, PASJ **61S**, 69) **13 cites.** (1.12 per year)
Self-citations: 1 (1st auth., 8%), 5 (all ref. papers, 38%)
64. **Coronal properties of the EQ Pegasi binary system**
C. Liefke et al. (2009, A&A **491**, 859) **18 cites.** (1.54 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
65. **Nova V2362 Cygni (nova Cygni 2006): Spitzer, Swift, and Ground-Based Spectral Evolution**
David K. Lynch et al. (2009, AJ **136**, 1815) **40 cites.** (3.40 per year)
Self-citations: 1 (1st auth., 3%), 7 (all ref. papers, 18%)

66. **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. (2008, A&A **478L**, 11) **12 cits.** (0.95 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
67. **Silicate Dust in the Environment of RS Ophiuchi following the 2006 Eruption**
A. Evans et al. (2008, ApJ **671L**, 157) **29 cits.** (2.28 per year)
Self-citations: 0 (1st auth., 0%), 2 (all ref. papers, 7%)
68. **Spitzer and Ground-based Infrared Observations of the 2006 Eruption of RS Ophiuchi**
A. Evans et al. (2008, ApJ **663L**, 29) **21 cits.** (1.60 per year)
Self-citations: 2 (1st auth., 10%), 4 (all ref. papers, 19%)
69. **Infrared observations of the 2006 outburst of the recurrent nova RS Ophiuchi: the early phase**
A. Evans et al. (2007, MNRAS **374L**, 1) **34 cits.** (2.50 per year)
Self-citations: 1 (1st auth., 3%), 7 (all ref. papers, 21%)
70. **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**
M. F. Bode et al. (2007, ApJ **652**, 629) **132 cits.** (9.58 per year)
Self-citations: 6 (1st auth., 5%), 27 (all ref. papers, 20%)
71. **X-ray accretion signatures in the close CTTS binary V4046 Sagittarii**
H. M. Günther et al. (2007, A&A **459L**, 29) **70 cits.** (5.08 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
72. **Variability and multiperiodic oscillations in the X-ray light curve of the classical nova V4743 Sgr**
E. Leibowitz et al. (2007, MNRAS **371**, 424) **19 cits.** (1.36 per year)
Self-citations: 2 (1st auth., 11%), 5 (all ref. papers, 26%)
73. **Detection of X-ray emission from Pictoris with XMM-Newton: a cool corona, a boundary layer or what?**
M. Hempel et al. (2006, A&A **440**, 727) **16 cits.** (1.07 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
74. **On the nature of the X-ray source in GK Persei**
S. Vriellmann, and J. H. M. M. Schmitt (2006, A&A **439**, 287) **23 cits.** (1.53 per year)
Self-citations: 1 (1st auth., 4%), 1 (all ref. papers, 4%)
75. **Coronal Evolution of the Sun in Time: High-Resolution X-Ray Spectroscopy of Solar Analogs with Different Ages**
Alessandra Telleschi et al. (2005, ApJ **622**, 653) **115 cits.** (7.44 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 1%)
76. **X-rays from accretion shocks in T Tauri stars: The case of BP Tau**
J. H. M. M. Schmitt et al. (2005, A&A **432L**, 35) **91 cits.** (5.89 per year)
Self-citations: 1 (1st auth., 1%), 2 (all ref. papers, 2%)
77. **Spectral Indications of Density Variability in the Corona of AD Leonis**
A. Maggio and J. -U. Ness (2005, ApJ **622L**, 57) **5 cits.** (0.32 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 20%)

78. **Modeling CHANDRA low energy transmission grating spectrometer observations of classical novae with PHOENIX. I. V4743 Sagittarii**
A. Petz et al. (2005, A&A **431**, 321) **32 cits.** (2.06 per year)
Self-citations: 5 (1st auth., 16%), 12 (all ref. papers, 38%)
79. **Is T Leonis a superoutbursting intermediate polar?**
S. Vrielmann, and **J. H. M. M. Schmitt** (2004, A&A **419**, 673) **7 cits.** (0.43 per year)
Self-citations: 0 (1st auth., 0%), 0 (all ref. papers, 0%)
80. **Coronal abundances from high-resolution X-ray data: The case of Algol**
J. H. M. M. Schmitt and **J. -U. Ness** (2004, A&A **415**, 1099) **22 cits.** (1.34 per year)
Self-citations: 4 (1st auth., 18%), 5 (all ref. papers, 23%)
81. **Spatially resolved X-ray emission of EQ Pegasi**
J. Robrade, and **J. H. M. M. Schmitt** (2004, A&A **413**, 317) **11 cits.** (0.66 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 9%)
82. **A spatially resolved limb flare on Algol B observed with XMM-Newton**
J. H. M. M. Schmitt, and **G. Franco** (2004, A&A **412**, 849) **24 cits.** (1.44 per year)
Self-citations: 1 (1st auth., 4%), 1 (all ref. papers, 4%)
83. **Chandra-LETGS X-ray observation of alpha Centauri: A nearby (G2V + K1V) binary system**
A. J. J. Raassen et al. (2003, A&A **400**, 671) **56 cits.** (3.21 per year)
Self-citations: 1 (1st auth., 2%), 3 (all ref. papers, 5%)
84. **Simultaneous X-ray spectroscopy of YY Gem with Chandra and XMM-Newton**
B. Stelzer et al. (2003, A&A **392**, 585) **47 cits.** (2.62 per year)
Self-citations: 0 (1st auth., 0%), 1 (all ref. papers, 2%)
85. **High-resolution X-ray spectroscopy of Procyon by Chandra and XMM-Newton**
A. J. J. Raassen et al. (2003, A&A **389**, 228) **103 cits.** (5.69 per year)
Self-citations: 2 (1st auth., 2%), 4 (all ref. papers, 4%)
86. **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** (2002, A&A **388L**, 13) **22 cits.** (1.21 per year)
Self-citations: 4 (1st auth., 18%), 7 (all ref. papers, 32%)
87. **First Light Measurements of Capella with the Low-Energy Transmission Grating Spectrometer aboard the Chandra X-Ray Observatory**
A. C. Brinkman et al. (2000, ApJ **530L**, 111) **152 cits.** (7.40 per year)
Self-citations: 2 (1st auth., 1%), 5 (all ref. papers, 3%)