

CURRICULUM VITAE

NAME: Robert David Mathieu

ADDRESS: Department of Astronomy
University of Wisconsin - Madison
Madison, WI 53706
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RESEARCH INTERESTS: Stellar evolution and dynamics; STEM learning in higher education

Special interests: Alternative stellar evolution pathways
Binary star populations
Structure, kinematics and dynamics
of star clusters and star-forming regions
Future faculty development in STEM

EDUCATION: University of California, Berkeley
Degree: Ph.D. in Astronomy, 1983
Thesis Title: The Structure, Internal Kinematics and
Dynamics of Open Star Clusters
Thesis Advisor: Prof. Ivan R. King

Princeton University
Degree: A.B. *summa cum laude* in Astronomy, 1978
Thesis Title: The Effects of Binaries on the Evolution of
Isolated Spherical Star Systems
Thesis Advisor: Prof. Lyman Spitzer, Jr.

PROFESSIONAL POSITIONS:

2018- Albert E. Whitford Professor of Astronomy
2015- Affiliate Professor, Education Leadership and Policy Analysis
2013-2019 Associate Dean for Research, School of Education
2013-2019 Director, Wisconsin Center for Education Research
2013- Vilas Distinguished Achievement Professor of Astronomy
2008-12 Chair, Department of Astronomy
2002- Director, Center for the Integration of Research, Teaching, and Learning
1999-04 President, WIYN Observatory Board of Directors
1998-01 Associate Director, National Institute for Science Education
1998-01 Director, College Level - 1 Institute
1996-13 Professor, University of Wisconsin - Madison
1992-93 Visiting Associate Astronomer, Lick Observatory, Univ. of California, Santa Cruz
1991-96 Associate Professor, University of Wisconsin - Madison
1987-91 Assistant Professor, University of Wisconsin - Madison
1985-87 Astronomer, Smithsonian Astrophysical Observatory
1983-85 Harvard-Smithsonian Center for Astrophysics Post-Doctoral Fellow

PROFESSIONAL SERVICE (INTER/NATIONAL):

Astronomy - Agencies and Associations

American Astronomical Society

- 2011 Astrophysical Journal Letters, Editor Search Committee
- 2010-13 Councilor (member of Executive Committee)
- 2006-09 American Astronomical Society Education Board
- 2003-06 American Astronomical Society Education Prize Committee (Chair, 2006)
- 2001-13 Editorial Board, Astronomy Education Review

Association of Universities for Research in Astronomy

- 2019- Member Representative

European Southern Observatory

- 2011-12 Scientific Organizing Committee, ESO Conference, Ecology of Blue Stragglers

International Astronomical Union

- 2015- Organizing Committee, IAU Commission G1, Binary and Multiple Star Systems
- 2006-12 Organizing Committee, IAU Commission 30
- 2003-04 Scientific Organizing Committee, Third Granada Workshop on Stellar Structure
- 1999-00 Scientific Organizing Committee, IAU Symposium 200 (Co-Chair)
- 1999-05 Organizing Committee, IAU Commission 26

National Academy of Science/ National Research Council

- 2008-09 Astro2010: Education and Outreach Study Group
- 1999-00 UV/OIR Panel, Decadal Survey Committee
- 1996-97 Task Group on Space Science and Astrophysics

NASA

- 2011 Hubble Space Telescope Time Allocation Committee
- 2003 Hubble Fellows Selection Committee
- 2000 Hubble Space Telescope Time Allocation Committee
- 1992 Hubble Space Telescope Time Allocation Committee

National Science Foundation

- 2019 Division of Astronomical Sciences Committee of Visitors
- 2018 CAREER Program Panel
- 2011 Alliances for Graduate Education and the Professoriate (AGEP) Panel
- 2006 Galactic Astronomy Panel, Division of Astronomical Sciences (Chair)
- 2004 CAREER Program Panel (Chair)
- 2002 Committee of Visitors, Astronomy Division
- 2003 Instrumentation & Laboratory Improvement Panel, Division of Undergraduate Ed.
- 2001 CAREER Program Panel (Chair)
- 1998 Physics and Astronomy Panel, NSF Graduate Fellowship Program
- 1997 Galactic Astronomy Panel, Division of Astronomical Sciences
- 1996 CAREER Program Panel
- 1991-92 Physics and Astronomy Panel, NSF Graduate Fellowship Program

Miscellaneous

- 2012-13 Scientific Organizing Committee, Exoplanets in the Post-Kepler Era

Astronomy - Observatories

Keck Observatory

- 2007 Time Allocation Committee (Chair)
- National Optical Astronomy Observatories
- 1998 Workshop on the O/IR Ground-based System
- 1995-97 Kitt Peak National Observatory Users Committee (Chair, 1997)
- 1987-90 Kitt Peak National Observatory Time Allocation Committee
- WIYN Observatory, Inc.
- 2011-12 Scientific Steering Committee (Chair)
- 2008- Board of Directors
- 1995-04 Board of Directors (President, 1999 - 2004)
- 1995-99 Scientific Advisory Committee (Chair, 1997-1999)

Astronomy – Reviewer

Astronomical Journal, Astronomy and Astrophysics, Astrophysical Journal and Letters, Monthly Notices of the Royal Astronomical Society, Nature, Science

Education and Outreach

- 2018- STEM Education Advisory Panel (US Federal)
- 2018- Advisory Board, AAU PhD Education Initiative
- 2016- Board of Directors, Wisconsin Academy of Sciences, Arts and Letters
- 2016- Advisory Board, Center for Advancing STEM Leadership
- 2015 Review Committee, Research Centers, College of Education and Human Development, University of Minnesota
- 2014-16 Advisory Board, Madison Schools of Hope
- 2014- Board of Directors *ex officio*, Wisconsin Center for Education Products and Services
- 2012- Advisory Board, DREAM STEM-Driving Research, Entrepreneurship, and Academics through Mastering STEM
- 2011-13 Advisory Board, Fusion Science Theater
- 2009-16 Advisory Board, Longitudinal Study of Future STEM Faculty
- 2009-10 Strategic Planning, Team 1a, Purdue University – External Consultant
- 2007-08 Sigma Xi Distinguished Lecturer
- 2007–12 International Advisory Board, Irish National Academy for the Integration of Research, Teaching and Learning in Higher Education
- 2006-10 Advisory Board, “Aligning Engineering Practice with Engineering Education: How People Learn Engineering”
- 2006-09 Carnegie Academy for the Scholarship of Teaching and Learning Institutional Leadership Program (Team Leader)
- 2003-05 Howard University Science, Engineering and Mathematics Advisory Committee
- 1999 Project Kaleidoscope Roundtable
- 1998 Advisory Committee, Promotion of Institutional Change, American Association for Higher Education
- 1991-92 Annual Meeting, Astronomical Society of the Pacific (Chair)

PROFESSIONAL SERVICE (UNIVERSITY OF WISCONSIN - MADISON):

University

2015-	Executive Council, Collaborative for Advancing Teaching and Learning
2015	Search and Screen Committee, Dean, School of Education
2014-	Research Policy Advisory Committee
2014-17	WisCEL Advisory Group
2013-17	Quality and Compliance Oversight and Advisory Committee
2013-	Associate Deans for Research Committee
2008	Chancellor Search-and-Screen Committee
2007-09	Reaccreditation Project 2009 “Rethinking the Public University” Team (Co-Chair) Steering Committee
2006-08	Faculty Representative, University of Wisconsin System
2005-08	Board of Directors, PROFS, Inc. (Chair, 2006 - 08)
2005-08	University Committee (Chair, 2006 - 08)
2005-06	Ad Hoc Committee on Tuition Remission
2005-06	Committee on Committees
2004-05	Graduate School Academic Planning Council
2003-	Delta Program in Research, Teaching and Learning (Co-Faculty Director)
2002-05	Physical Sciences Divisional Committee
2001-05	Graduate Faculty Executive Committee
2000-02	Graduate School Research Committee
1997-98	“New Directions: The Reaccreditation Project”; Physical Sciences subcommittee
1992-97	Letters & Science Appeals Committee
1991-92	Undergraduate Education Committee

Department of Astronomy

2008-12	Chair
1996-97	Associate Chair
1987-	Numerous committees

PROFESSIONAL SOCIETIES:

American Association for the Advancement of Science
American Astronomical Society
American Educational Research Association
American Physical Society
Astronomical Society of the Pacific
International Astronomical Union
Sigma Xi

RESEARCH HONORS:

2020	Fulbright U.S. Scholar
2019	Fellow of the American Physical Society
2018	WARF Named Professorship
2016	Fellow, Wisconsin Academy of Sciences, Arts and Letters
2013	Vilas Distinguished Achievement Professorship
2011	Fellow, American Association for the Advancement of Science
2009	Kellett Mid-Career Award – University of Wisconsin - Madison
2004	Vilas Associate – University of Wisconsin - Madison
1992	Guggenheim Fellow
1989	Presidential Young Investigator Award
1983	Elizabeth Uhl Award (excellence in graduate research)
1978	University of California Regents Fellowship
1978	Phi Beta Kappa
1978	Sigma Xi Award (excellence in undergraduate research)
1977	Summer Research Fellowship, Kitt Peak National Observatory
1974	National Merit Scholar
1974	Presidential Australian Science Scholar

EDUCATION HONORS:

2007	Distinguished Lecturer, University of Queensland, Australia
2004	Forman Lecturer, Vanderbilt University
1995	University of Wisconsin-Madison Teaching Academy
1991	Distinguished Teaching Award - University of Wisconsin-Madison
1979	Award for Teaching Excellence - University of California, Berkeley

ASTRONOMY RESEARCH FUNDING:

2018-	NASA “The Old Open Cluster M67 Revisited - A Comprehensive Stellar Astrophysical Study with Kepler” (\$150,000)
2017-	NSF “Alternative Pathways of Stellar Evolution in Open Clusters” (\$597,149)
2015-16	NASA “A Comprehensive Stellar Astrophysical Study of the Old Open Cluster M67 with Kepler” (\$100,000)
2014-16	NASA Hubble Space Telescope (\$113,647)
2012-14	NASA Hubble Space Telescope (\$237,792)
2009-14	NSF “Open Clusters at the Interface of Stellar Evolution and Stellar Dynamics” (\$678,000)
2004-09	NSF “Deep Astrometric and Radial Velocity Studies of Old Open Clusters” (\$336,000)
2001-04	NSF “Putting Pre-Main-Sequence Evolutionary Theory to the Test: Interiors and Angular Momentum” (\$270,000)
1999-01	NASA ADP, “The History and IMF of the λ Orionis Star-Forming Region” (\$56,000)
1998-03	NSF “High Precision Radial Velocity Surveys of Open Clusters” (\$243,900)
1998-00	NASA Hubble Space Telescope (\$18,800)
1995-00	NASA Hubble Space Telescope (\$170,800)
1995-99	NSF “Surveys for PMS Short-Period Binary Stars and Associated Disks” (\$234,000)
1997-98	NASA Infrared Space Observatory (\$32,300)

- 1995-97 NASA ROSAT, “Post T-Tauri Stars in the TW Hydra Association” (\$16,100)
- 1990-95 NSF Presidential Young Investigator Award (\$275,000)
- 1989-91 NSF “High Precision Radial-Velocity Study of Young Stars” (\$97,800)
- 1987- Wisconsin Alumni Research Foundation (multiple grants, each ≈ \$30,000)

EDUCATION FUNDING:

- 2018-19 NSF “INCLUDES Alliance: Aspire: The National Alliance for Inclusive and Diverse STEM Faculty” (\$10,000,000; co-direct with Association for Public and Land-Grant Universities)
- 2017- NSF “Preparing Future Faculty to Improve STEM Education: Broadening the National Impact of the CIRTl Network” (\$2,300,000)
- 2016-18 NSF “CIRTl INCLUDES – Toward an Alliance to Prepare a National Faculty for Broadening Success of Underrepresented 2-Year and 4-Year STEM Students” (\$233,000)
- 2013-17 NSF “The CIRTl Network: 25 Research Universities Preparing a National Faculty to Advance STEM Undergraduate Learning” (\$5,300,000)
- 2013-17 NSF “MOOC-Supported Learning Communities for Future STEM Faculty: Multiple Paths to Advance Evidence-based Teaching” (\$750,000, co-PI)
- 2007-12 NSF “The CIRTl Network: Shaping, Connecting and Supporting the Future National STEM Faculty “ (\$5,600,000)
- 2007-10 NSF “Improving Undergraduate Experiences in STEM through Mentor Training” (\$375,000, co-PI)
- 2006-11 NSF “Building Capacity for Course, Program, and Department Evaluation: Improving and Expanding the *Student Assessment of Learning Gains* Site” (\$559,000)
- 2006-07 NSF “CIRTl Diversity Resources – Enhancement and Dissemination” (\$250,000)
- 2003-07 NSF “Center for the Integration of Research, Teaching, and Learning” (\$10,000,000)
- 2000-02 NSF “Case Studies for the *Learning through Technology (LT²)* Web Site” (\$162,000)
- 1999-03 NSF “Enhancement of the Field-Tested Learning Assessment Guide Web Site” (\$539,000, co-PI)
- 1999-01 NSF “Classroom Assessment Techniques in College Mathematics for the Field-Tested Learning Assessment Guide” (\$26,700)
- 1999-00 NSF National Institute for Science Education (\$2,242,900, co-PI)
- 1995-99 NSF Educational Supplement (\$66,700)
- 1995 L&S Program to Promote Excellence in Undergraduate Education (\$30,000)

ADVISEES:

- Research Experiences for Undergraduates: K. Soto (2002, UC Berkeley), T. LeBlanc (2003, Universidad Metropolitana), L. Zambrano (2003, Universidad Metropolitana), S. Yelda (2005, Michigan), M. Morscher (2006, UW-Milwaukee), N. Gosnell (2007, Colorado College), D. Nielson (2007, Colby College), J. Adkins (2008, Eastern Kentucky Univ.), M. Bailey (2008, Berea College), A. Mahmoud (2009, U. Arkansas), E. Jones (2010, Louisiana State Univ.), J. Beker (2011, Carleton College), S. Kessler (2014, Rowan Univ.), F. Klein (2014, UW)
- Undergraduate Theses: M. Chun (1989), G. Knopp (1991), M. Turnbull (1998), N. Stroud (2002), S. Kaeppler (2006), M. DiPompeo (2007), T. Finzell (2011), J.

Penn (2012), N. Eggen (2017), R. Drake (2020),

Masters Degrees:

W. Caplan (1990), K. Rhode (1997, Wesleyan, with W. Herbst),
E. Braden (2008), M. Pollack (2017), E. Carlson (2018)

Ph.D. Degrees - Astronomy:

C.-W. Lee (1992), B. Casey (1996), E. Jensen (1996), C. Dolan (2000),
K. Stassun (2000), S. Meibom (2005), A. Geller (2010), N. Gosnell
(2014), K. Milliman (2016), E. Leiner (2018), B. Tofflemire (2018), A.
Nine (2022, anticipated)

Ph.D. Degrees - Education:

J. Savoy (2021, anticipated)

Post-Doctoral Researchers -
Astronomy

L.P. Vaz (1994-95), T. von Hippel (1995-97; McKinney Fellow),
S. Barnes (1999-02; McKinney Fellow), K. Stassun (2001 – 03; Hubble
Fellow), P. Frinchaboy (2006-09; NSF Astronomy and Astrophysics
Post-Doctoral Fellow), M. Sun (2018 -)

Post-Doctoral Researchers -
Education

L. Hill (2016-)

PUBLISHED WORK

Refereed Papers - Astronomy

(____ = student with RDM while doing work)

Turner, E.L., Aarseth, S.J., Gott, J.R.,III, Blanchard, N.J. & Mathieu, R.D., "N-Body Simulations of Galaxy Clustering. III. Groups of Galaxies", 1979, ApJ 228, 684.

Snow, T.P., Peters, G.J. & Mathieu, R.D., "A Survey of Ultraviolet Circumstellar Absorption Lines in the Spectra of Early Be and Shell Stars", 1979, ApJS 39, 359.

Spitzer, L., Jr., & Mathieu, R.D., "Random Gravitational Encounters and the Evolution of Spherical Systems. VIII. Clusters with an Initial Distribution of Binaries", 1980, ApJ 241, 618.

Mathieu, R.D. & Spinrad, H., "Luminosity Function and Colors of the 3C295 Cluster of Galaxies", 1981, ApJ 251, 485.

Elmegreen, B.G. & Mathieu, R.D., "Monte Carlo Simulations of the Initial Stellar Mass Function", 1982, MNRAS 203, 305.

Mathieu, R.D., "Dynamical Constraints on Star-Formation Efficiency", 1983, ApJL 267, L97.

Mathieu, R.D., "The Structure and Dynamics of the Open Cluster M11", 1984, ApJ 284, 643.

Beichman, C.A., Myers, P.C., Emerson, J.R., Harris, S., Mathieu, R.D., Benson, P.J. & Jennings, R.J., "Candidate Proto-Stars in Nearby Molecular Cloud Cores", 1986, ApJ 307, 337.

Hartmann, L., Hewett, R., Stahler, S. & Mathieu, R.D., "Rotational and Radial Velocities of T Tauri Stars", 1986, ApJ 309, 275.

Mathieu, R.D., Latham, D.W., Griffin, R. & Gunn, J.E. "Precise Radial Velocities of Late-Type Stars in the Open Clusters M11 and M67", 1986, AJ 92, 1100.

Mathieu, R.D. & Latham, D.W., "The Spatial Distribution of Spectroscopic Binaries and Blue Stragglers in the Open Cluster M67", 1986, AJ 92, 1364.

Blitz, L., Mathieu, R.D. & Bally, J., "CO Emission from Seyfert Galaxies: Further Observations", 1986, ApJ 311, 142.

Pilachowski, C.A., Willmarth, D.W., Halbedel, E.M., Mathieu, R.D., Hobbs, L.M., Milkey, R.W. & Saha, A., "Spectroscopic Orbital Elements for a Double-Lined Binary in NGC 752", 1987, PASP 98, 1321.

Feigelson, E.D., Jackson, J.M., Mathieu, R.D., Myers, P.C. & Walter, F.W., "An X-ray Survey for Pre-Main-Sequence Stars in the Taurus-Auriga-Perseus Clouds", 1987, AJ 94, 1251.

Myers, P.C., Fuller, G.A., Mathieu, R.D., Beichman, C.A., Benson, P.J. & Schild, R.E., "Near-Infrared

- and Optical Observations of IRAS Sources In and Near Dense Cores", 1987, ApJ 319, 340.
- Mathieu, R.D. & Mazeh, T., "The Age Determination of Open Clusters: A New Clock", 1988, ApJ 326, 256.
- Mathieu, R.D., Benson, P.J., Fuller, G.F., Myers, P.C. & Schild, R.E., "The Morphology and Kinematics in the Vicinity of the L43 Molecular Outflow", 1988, ApJ 330, 385.
- Walter, F.M., Brown, A., Mathieu, R.D., Myers, P.C. & Vrba, F.J., "X-Ray Sources in Regions of Star Formation. III. Naked T Tauri Stars Associated with the Taurus-Auriga Complex", 1988, AJ 96, 297.
- Marschall, L.M. & Mathieu, R.D., "Parengo 1540: A Pre-Main-Sequence Double-Lined Spectroscopic Binary Near the Orion Trapezium", 1988, AJ 96, 1956.
- Schild, R., Weir, N. & Mathieu, R.D., "The Optical Nebulosity Around the T Tauri Star RNO 91 in the L43 Dense Molecular Core", 1989, AJ 97, 1110.
- McNamara, B.J., Hack, W.J., Olson, R. & Mathieu, R.D., "A Proper Motion Membership Analysis of the Orion Nebula Region", 1989, AJ 97, 1427.
- Lee, C.-W., Mathieu, R.D. & Latham, D.W., "Two Spectroscopic Binaries in the Open Cluster M11 and their Implication for the Cluster Distance Modulus", 1989, AJ 97, 1710.
- Mathieu, R.D., Walter, F.M. & Myers, P.C., "The Discovery of Six Pre-Main-Sequence Spectroscopic Binaries", 1989, AJ 98, 987.
- Pilachowski, C.A., Willmarth, D.W., Mathieu, R.D., Latham, D.W., Booth, J. & Armandroff, T.E., "A Spectroscopic Binary Giant in the Galactic Cluster NGC 752", 1989, PASP 101, 991.
- Hensberge, H. *et al.*, "High Precision Radial Velocity Determinations for the Study of the Internal Kinematics and Dynamical Structure and Evolution of Young Stellar Groups", 1990, ESO Messenger, 61, 20.
- O'Neal, D., Feigelson, E.D., Mathieu, R.D. & Myers, P.C., "A Radio Survey of Weak T Tauri Stars in Taurus-Auriga", 1990, AJ 100, 1610.
- Mathieu, R.D., Latham, D.W. & Griffin, R.F., "Orbits of 22 Spectroscopic Binaries in the Open Cluster M67", 1990, AJ 100, 1859.
- Morse, J.M., Mathieu, R.D. & Levine, S.E., "The Measurement of Precise Radial Velocities of Early-type Stars", 1991, AJ 101, 1495.
- Hobbs, L.M. & Mathieu, R.D., "Observed Upper Limits on the Lithium Abundance in Blue Stragglers", 1991, PASP 103, 431.
- Mathieu, R.D., Adams, F.C. & Latham, D.W., "The T Tauri Spectroscopic Binary GW Ori", 1991, AJ 101, 2184.

- Casey, B.W., Mathieu, R.D., Suntzeff, N.B., Lee, C.-W. & Cardelli, J. A., "The Spectroscopic Orbit and Subsynchronous Rotation of the Herbig Ae/Be Star TY CrA", 1993, AJ 105, 2276.
- Walter, F.M., Vrba, F.J., Mathieu, R.D., Brown, A. & Myers, P.C., "X-Ray Sources in Regions of Star Formation. V. The Low Mass Stars of the Sco OB2 Association", 1994, AJ 107, 692.
- Daniel, S.A., Latham, D.W., Mathieu, R.D. & Twarog, B.A., "A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752", 1994, PASP 106, 281.
- Jensen, E.L., Mathieu, R.D. & Fuller, G.A., "A Connection Between Disk Mass and Separation in Young Binaries", 1994, ApJL 429, L29.
- Lee, C.-W., Martin, E.L. & Mathieu, R.D., "Relative Lithium Abundances in Pre-Main Sequence Spectroscopic Binaries", 1994, AJ 108, 1445.
- Casey, B.W., Mathieu, R.D., Suntzeff, N.B. & Walter, F.M., "The Pre-Main-Sequence Triple TY CrA: Spectroscopic Detection of the Secondary and Tertiary Components", 1995, AJ 109, 2156.
- Mathieu, R.D., Adams, F.C., Fuller, G.A., Jensen, E.L., Koerner, D.W. & Sargent, A.I., "Submillimeter Continuum Observations of the T Tauri Spectroscopic Binary GW Orionis", 1995, AJ 109, 2655.
- Metcalf, T.S., Mathieu, R.D., Latham, D.W. & Torres, G., "The Low-Mass Double-Lined Eclipsing Binary CM Draconis: A Test of the Primordial Helium Abundance and the Mass-Radius Relation near the Bottom of the Main Sequence", 1996, ApJ 456, 356.
- Jensen, E.L.N., Mathieu, R.D. & Fuller, G.A., "The Connection between Submillimeter Continuum Flux and Binary Separation in Young Binaries: Evidence of Interaction between Stars and Disks", 1996, ApJ 458, 312.
- Jensen, E.L.N., Koerner, D.W. & Mathieu, R.D., "High-resolution Imaging of Circumstellar Gas and Dust in UZ Tauri: Comparing Binary and Single-Star Disk Properties", 1996, AJ 111, 2431.
- Lacy, C.H.S., Fekel, F.C., Mathieu, R.D., Morrell, N.I., Morse, J.A., Torres, G. & Willmarth, D., "The Spectroscopic Orbit of π Ceti", 1997, AJ 113, 1088.
- Mathieu, R.D., Stassun, K., Basri, G., Jensen, E.L.N., Johns-Krull, C.M., Valenti, J. & Hartmann, L.W., "The Classical T Tauri Spectroscopic Binary DQ Tau. I. Orbital Elements and Light Curves", 1997, AJ 113, 1841.
- Jensen, E.L.N. & Mathieu, R.D., "Evidence for Cleared Regions in the Disks Around Pre-Main-Sequence Spectroscopic Binaries", 1997, AJ 114, 301.
- Basri, G., Johns-Krull, C.M., & Mathieu, R.D., "The Classical T Tauri Binary DQ Tau. II. Emission Line Variations with Orbital Phase", 1997, AJ 114, 781.
- Walter, F.M., Vrba, F.J., Wolk, S.J., Mathieu, R.D. & Neuhauser, R., "X-Ray Sources in Regions of Star Formation. VI. The R CrA Association as Viewed by EINSTEIN", 1997, AJ 114, 1544.

- Casey, B.W., Mathieu, R.D., Vaz, L.P.R., Andersen, J. & Suntzeff, N., “The Pre-Main-Sequence Eclipsing Binary TY Coronae Australis: Precise Stellar Dimensions and Tests of Evolutionary Models”, 1998, AJ 115, 1617.
- Vaz, L.P.R., Andersen, J., Casey, B.W., Clausen, J.V., Mathieu, R.D. & Heyer, I., “Four-colour photometry of eclipsing binaries. XXXIX. Light curves of the pre-main-sequence triple system TY Coronae Australis”, 1998, A&AS 130, 245.
- Mermilliod, J.-C., Mathieu, R.D., Latham, D.W. & Mayor, M., “Red Giants in Open Clusters. VII. NGC 752”, 1998, A&A 339, 423.
- Belloni, T., Verbunt, F. & Mathieu, R.D., “X-Rays from Old Open Clusters: M67 and NGC 188”, 1998, A&A 339, 431.
- Stassun, K.G., Mathieu, R.D., Mazeh, T. & Vrba, F.J., “The Rotation Period Distribution of Pre-Main-Sequence Stars in the Orion Nebula Cluster”, 1999, AJ 117, 2941.
- Van den Berg, M., Verbunt, F. & Mathieu, R.D., “Optical Spectroscopy of X-ray Sources in the Old Open Cluster M67”, 1999, A&A 347, 866.
- Dolan, C.J. & Mathieu, R.D., “A WIYN Lithium Survey for Young Stars in the λ Orionis Star-Forming Region”, 1999, AJ 118, 2409.
- Stassun, K.G., Mathieu, R.D., Vrba, F.J., Mazeh, T., & Henden, A., “A 10 μm Search for Truncated Disks among Pre-Main-Sequence Stars with Photometric Rotation Periods”, 2001, AJ, 121, 1003.
- Dolan, C.J. & Mathieu, R.D., “The Spatial Distribution of the λ Orionis Pre-Main-Sequence Population”, 2001, AJ, 121, 2124.
- Carr, J.S., Mathieu, R.D., & Najita, J.R., “Evidence for Residual Material in Accretion Disk Gaps: CO Fundamental Emission from the T Tauri Spectroscopic Binary DQ Tau”, 2001, ApJ, 551, 454.
- Steffen, A., Mathieu, R.D., Lattanzi, M.G., Latham, D.W., Mazeh, T., Prato, L., Simon, M., & Zinnecker, H., “A Dynamical Mass Constraint for Pre-Main-Sequence Tracks: The Binary NTT 045251+3016”, 2001, AJ, 122, 997.
- Rhode, K.L., Herbst, W. & Mathieu, R.D., “Rotational Velocities of Pre-Main-Sequence Stars in the Orion Nebula Cluster”, 2001, ApJ, 122, 3258.
- Dolan, C.J. & Mathieu, R.D., “A Photometric Study of the Young Stellar Population throughout the λ Orionis Star-Forming Region”, 2002, AJ, 123, 387.
- Van den Berg, M., Stassun, K., Verbunt, F., & Mathieu, R.D., “Photometric Variability in the Open Cluster M67. I. X-ray Sources”, 2002, A&A, 382, 888.
- Stassun, K., van den Berg, M., Mathieu, R.D., & Verbunt, F., “Photometric Variability in the Open Cluster M67. II. General Survey”, 2002, A&A, 382, 899.

- Allen, L.E., Myers, P.C., Di Francesco, J., Mathieu, R.D., Chen, H. & Young, E., “HST/NICMOS Imaging Survey of the Ophiuchus (Lynds 1688) Cluster”, 2002, ApJ, 566, 993.
- Mathieu, R.D., Van den Berg, M., Torres, G., Latham, D.W., Verbunt, F., & Stassun, K.G., “Sub-Subgiants in the Old Open Cluster M67?”, 2003, AJ, 125, 246.
- Najita, J., Carr, J.S., & Mathieu, R.D., “Gas in the Inner Planet-Forming Disks: CO Fundamental Emission from Young Stars”, 2003, ApJ, 589, 931.
- Alencar, S.H.P., Melo, C.H.F., Dullemond, C.P., Andersen, J., Batalha, C., Vaz, L.P.R. & Mathieu, R.D., “The Pre-Main-Sequence Spectroscopic Binary AK Sco Revisited”, 2003, A&A, 409, 1037.
- Platais, I., Kozhurina-Platais, V., Mathieu, R.D., Girard, T.M. & van Altena, W.F., “WIYN Open Cluster Study. XVII. Astrometry and Membership to V=21 in NGC 188”, 2003, AJ, 126, 2922.
- Jensen, E.L.N., Mathieu, R.D., Donar, A.X. & Dullighan, A., “Aligned Protoplanetary Disks in Young Binaries”, 2003, AJ, 600, 789.
- Mathieu, R.D., Meibom, S. & Dolan, C.J., “WIYN Open Cluster Study. 18. The Tidal Circularization Cutoff in the Old Open Cluster NGC 188”, 2004, ApJL 121, 602L.
- Stassun, K.G., Ardila, D., Barsony, M., Basri, G. & Mathieu, R.D., “X-ray Properties of Pre-Main-Sequence Stars in the Orion Nebula Cluster with Known Rotation Periods”, 2004, AJ, 127, 3537.
- Stassun, K.G., Mathieu, R.D., Vaz, L.P.R., Stroud, N. and Vrba, F.J., “Dynamical Mass Constraints on Low-Mass Pre-Main-Sequence Evolutionary Tracks”, 2004, ApJS, 151, 357.
- Martín, E. L., Magazzù, A., Delfosse, X. & Mathieu, R. D., “The pre-main sequence spectroscopic binary UZ Tau East: Improved orbital parameters and accretion phase dependence”, 2004, A&A, 429, 939.
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