CURRICULUM VITAE

Emeritus Professor Robert Leith DEWAR, FAA Date and Place of Birth: March 1, 1944, Melbourne, Australia

BSc (BSc 1964, conferred August 1965, BSc Honours November 1965), MSc (August 1967), University of Melbourne. PhD (December 1970) Princeton University.

Honours:

Elected Fellow of the Australian Academy of Science, 1992. Elected Fellow of the American Physical Society, 1980. Kernot Scholarship in Physics (shared) for MSc thesis, 1967.

Present Appointment:

Emeritus Professor, The Australian National University (Plasma Research Laboratory, Research School of Physics and Engineering)

Past Appointments:

Assist. in Research, Plasma Phys. Lab., Princeton Univ. (PPPL) September 1967 - August 1970. Center for Theor. Physics Postdoc. Fellowship, Univ. of Maryland, September 1970 -September 1971. Research Associate, PPPL October 1971 - December 1973. Research Fellow, The Australian National University, January 1974 - June 1976. Senior Research Fellow, The Australian National University, July 1976 - June 1977. Research Staff Member, PPPL, July 1977 - September 1979. Research Physicist, PPPL, August 1979 - September 1981. Principal Research Physicist, PPPL, October 1981 - June 1982. Senior Fellow, The Australian National University, July 1982 - September 1992 Professor, Level E(1), The Australian National University, October 1992 - July 1996 Professor, Level E(2), The Australian National University, July 1996 – February 2011 Head, Plasma Research Laboratory, RSPhysSE, January 1995 - February 1997 Interim Director, National Plasma Fusion Research Facility, February 1996 - February 1997 Head, Department of Theoretical Physics, RSPhysSE, August 1988 - July 2001 Coordinator, ANU Centre for Theoretical Physics, August 1998 - May 2006 Convenor, Australian Research Council Complex Open Systems Research Network (COSNet), September 2004 – 2009

Outside Studies Appointments:

Visiting Scientist, PPPL, 24 March - 20 May 1983
Visiting Scientist, PPPL, 27 April - 25 June 1984
Participant in Program on "Stochasticity, Turbulence, and Long-Time Behavior in Plasmas"
Inst. for Theoretical Physics, University of California, Santa Barbara, 26 March - 24 June 1985
Visiting Scientist, PPPL, 1 - 29 May 1987
Visiting Scientist, Centre de Recherche en Physique des Plasmas
Ecole Polytechnique Fédérale de Lausanne, Switzerland, 1 June - 21 August 1987
Senior Research Fellow, University of Texas, Austin, USA, 11 Nov 1991 - 24 Jan 1992
Visiting Scientist, Columbia University, New York, USA, 3 - 25 February 1992
Guest Lecturer, Internat. Centre for Theor. Physics, Trieste, Italy, 16 May - 4 June 1993
Visiting Scientist, Heinrich-Heine Univ., Düsseldorf, Germany, 1 - 9 June 1995
Visiting Professor, National Institute for Fusion Science, Japan, 20 Feb. - 23 May 1997

Visiting Scientist, PPPL, 1 - 27 June 1998 Visiting Scientist, PPPL, 4 September - 28 November 2000 Visiting Scientist, Max Planck Institute for Plasma Physics, 17 September - 25 October 2002 Visiting Professor, University of Tokyo, 9 February – 10 June, 2003 Exchange Visitor, University of Texas at Austin, 16 May – 4 June, 2004 Visiting Scientist, PPPL 5–19 June, 2004 Visiting Professor, University of Tokyo, 31 August – 29 November, 2008 Visiting scientist and Rapporteur for a PhD thesis defence at CNRS, Centre for Theoretical Physics (CPT), Marseille-Luminy, France, 20 September – 20 October, 2010 Visiting Professor, University of New Hampshire, 19 September – 2 December, 2011

Membership of Learned Societies (in addition to Austral. Acad. Sci. and APS):

- Australian Institute of Physics (Chair, ACT Branch 2002–3)
- Australian Mathematical Society

International Committees:

- Chair, IAC of International Congress on Plasma Physics (ICPP), 2000–02 (Member1996– present)
- Member/Alternate, Executive Committee on the IEA Implementing Agreement on the Development of the Stellarator Concept, 1995–
- Member, International Advisory Committee, Asia Pacific Plasma Theory Conference (APPTC), 1996–present.
- Member, C16: Commission on Plasma Physics, International Union Pure and Applied Physics (IUPAP), 1999–2005.
- Member, International Advisory Committee for the Korean superconducting tokamak KSTAR, 2006.
- Member, General Council of the Asia Pacific Center for Theoretical Physics (APCTP Pohang, Korea) 2008–2010.

Editorial Boards:

- Member, Editorial Board, Australian Journal of Physics, 1997–2001.
- Member, Editorial Board, *Plasma and Fusion Research* (Japan Soc. of Plasma Science and Nuclear Fusion Research), 2005–2009.
- Divisional Associate Editor (Division of Plasma Physics, American Phys. Soc.), *Physical Review Letters*, 2006–2009.
- Associate Editor, ANZIAM Journal, 2008-.

Conferences etc. Organised:

Convenor of the ANU RSPhysS Department of Theoretical Physics' Fourth Physics Summer School Nonlinear Dynamics and Chaos held 7–25 January, 1991.

President of 19th AINSE *Plasma Science and Technology* Conference / E. & F. White Workshop, 12–15 July, 1993.

Organiser of Australia/Japan workshop on *Plasma Theory and Computation*, Robertson, NSW, 15-17 Nov. 1995.

Organiser of Australia/Japan/US Workshop on *High-Performance Computing and Visualisation in Plasma Physics Research*, Magnetic Island, Queensland, July 1–3, 1999

Chair, Local Organising Committee for the International Congress on Plasma Physics (ICPP2002), 1998–2002

- Co-Chair, Program Committee for Complex'07, 8th Asia-Pacific Complex Systems Conference, 2–5 July 2007, Gold Coast, Australia
- Co-organiser of 22nd Canberra International Physics Summer School, Complex Physical, Biophysical and Econophysical Systems, The Australian National University, Canberra, 8–19 Dec. 2008.

Teaching Experience:

Tutoring: University of Melbourne, 1965–1966.

Lecturing: Introductory Physics, Univ. of Maryland (1st semester 1971).

Theoretical Physics B01, Sch. of Gen. Studies, ANU (2nd sem. 1975)

Lecturer in Department of Astrophysical Sciences, Princeton University (1979–1981).

Lecturer with rank of Professor, Princeton Univ. (1981–1982).

- Mathematics C31H (Topics in Applied Math.: Fluid Dynamics), Faculty of Science, ANU, (1st semester 1986 and 1992).
- Mathematics C34H (Topics in Applied Math.: Nonlinear Dynamics) Faculty of Science, ANU, (2nd semester 1993).
- Physics C01/PHYS 3001 (Classical Mechanics segment) Faculty of Science, ANU, (1st semester 1998–2002).

Physics PHYS 3002 (Classical Mechanics/Nonlinear Dynamics Segment), Faculty of Science, ANU, (2nd semester 2006).

Ph.D. Theses Supervised:

A. Bhattacharjee (Princeton U. 1980) Energy Principle with Global Invariants E. Rosengaus (Princeton U. 1982) Renormalization of Perturbation Theories for Action Angle **Transformations** H.J. Gardner (ANU 1986) The Free-Boundary Equilibrium Problem for Helically Symmetric Plasmas R.D. Parker (ANU 1988) Nonlinear Behaviour of the Resistive Tearing Instability in Plasmas G.J. Cooper (ANU 1989) Stability of Helical Plasmas A. Pletzer (ANU 1992) Two-dimensional Computations of the Outer Matching Data in Resistive Stability K.P. Wessen (ANU 1993) Application of the Invariant Manifold Reduction to Plasma *Instabilities* Z. Meglicki (ANU, 1996) Analysis and Application of Smoothed Particle Magneto*hydrodynamics* S.R. Hudson (ANU, 1997) Generalized Magnetic Coordinates for Toroidal Magnetic Fields P. Cuthbert (ANU, 1999) Ballooning Instabilities in Three-Dimensional Toroidal Plasmas A.B. Khorev (ANU, 2002) The Concept of Approximate Action-Angle Variables for Nonintegrable Hamiltonian Dynamics B.F. McMillan (ANU, 2005) Global wavemodes of dissipative fluid models in strongly Three-dimensional plasmas: Calculation and Interpretation

- M. McGann (ANU, 2013) Hamilton-Jacobi theory for connecting equilibrium magnetic fields across a toroidal surface supporting a plasma pressure discontinuity
- R.F. Abdullatif (ANU, not yet submtted)

Masters Theses Supervised:

- D. Barmaz (EPFL, Lausanne, Switzerland 2010 research done at ANU) *High-n Stability* of a pressure discontinuity in a three-dimensional plasma
- A.M. Gibson (ANU, 2012) Reconciliation of Almost-Invariant Tori in Chaotic Systems

Honours Theses Supervised:

- A.L. Fairhall (ANU Physics 1990–91, University Medal) Centre Manifold Reduction of Tearing Modes in a Plasma Current Sheet
- V. Robins (ANU Mathematics 1994, University Medal) Periodic Orbits and Invariant Tori in Symplectic Maps

10 recent papers

- R.L. Dewar, S.R. Hudson, and A.M. Gibson, *Action-gradient-minimizing pseudo-orbits and almost-invariant tori*, Commun. Nonlinear Sci. Numer. Simulat. 17, 2062–2073 (2012) doi: 10.1016/j.cnsns.2011.04.022
- 2. **R.L. Dewar** and D. Leykam, *Dressed test particles, oscillation centres and pseudo-orbits*, Plasma Phys. Control. Fusion **54**, 014002-1–8 (2012) doi: 10.1088/0741-3335/54/1/014002
- 3. S.R. Hudson, **R.L. Dewar**, M.J. Hole and M. McGann, *Nonaxisymmetric*, *multi-region* relaxed magnetohydrodynamic equilibrium solutions, Plasma Phys. Control. Fusion **54**, 014005-1–7 (2012) doi:10.1088/0741-3335/54/1/014005
- 4. D. Barmaz, W.A. Cooper, B.F. McMillan and **R.L. Dewar**, *Diamagnetic drift stabilized ballooning modes in a 3D heliotron*, Plasma Phys. Control. Fusion **54**, 014006-1–7 (2012) doi:10.1088/0741-3335/54/1/014006
- Z. Yoshida and R.L. Dewar, Helical bifurcation and tearing mode in a plasma a description based on Casimir foliation, J. Phys. A: Math. Gen. 45, 365502-1--36 (2012) doi: 10.1088/1751-8113/45/36/365502
- S.R. Hudson, R.L. Dewar, G. Dennis, M.J. Hole, M. McGann, G. von Nessi and S. Lazerson, Computation of multi-region relaxed magnetohydrodynamic equilibria, Phys. Plasmas 19, 112502-1–18 (2012) doi:10.1063/1.4765691
- R.L. Dewar, S.R. Hudson and A.M. Gibson, Generalised action-angle coordinates defined on island chains, Plasma Phys. Control. Fusion 55, 014004-1–5 (2013) doi:10.1088/0741-3335/55/1/014004
- R.L. Dewar, A. Bhattacharjee, R.M. Kulsrud & Wright, *Plasmoid solutions of the Hahm-Kulsrud-Taylor equilibrium model*, Phys. Plasmas 20, 082103-1–7 (2013) doi:10.1063/1.4817276
- G.R. Dennis, S.R. Hudson, D. Terranova, P. Franz, R.L. Dewar and M.J. Hole, A minimally constrained model of self-organized helical states in reversed-field pinches, Phys. Rev. Lett. 111, 055003-1–5 (2013) doi: 10.1103/PhysRevLett.111.055003
- 10. G.R. Dennis, S.R. Hudson, **R.L. Dewar** and M.J. Hole, *The Infinite Interface Limit of Multiple-Region Relaxed MHD*, Phys. Plasmas **20**, 032509-1-6 (2013)

50 highest-cited publications (in citation order from **ResearcherID 8th May 2014**: h-index 26)

- 1. Title: INTERACTION BETWEEN HYDROMAGNETIC WAVES AND A TIME-DEPENDENT, INHOMOGENEOUS MEDIUM Author(s): DEWAR, RL Source: PHYSICS OF FLUIDS Volume: 13 Issue: 11 Pages: 2710-& Published: 1970 Times Cited: 233 2. Title: BALLOONING MODE SPECTRUM IN GENERAL TOROIDAL SYSTEMS Author(s): DEWAR, RL; GLASSER, AH Source: PHYSICS OF FLUIDS Volume: 26 Issue: 10 Pages: 3038-3052 Published: 1983 Times Cited: 225 3. Title: IDEAL MHD STABILITY CALCULATIONS IN AXISYMMETRIC TOROIDAL COORDINATE SYSTEMS Author(s): GRIMM, RC; DEWAR, RL; MANICKAM, J Source: JOURNAL OF COMPUTATIONAL PHYSICS Volume: 49 Issue: 1 Pages: 94-117 Published: 1983 Times Cited: 107 4. Title: Theory and simulation of rotational shear stabilization of turbulence Author(s): WALTZ, RE; DEWAR, RL; GARBET, X Source: PHYSICS OF PLASMAS Volume: 5 Issue: 5 Pages: 1784-1792 Published: MAY 1998 Times Cited: 75
- Title: N-DEPENDENCE OF BALLOONING INSTABILITIES Author(s): DEWAR, RL; MANICKAM, J; GRIMM, RC; et al. Source: NUCLEAR FUSION Volume: 21 Issue: 4 Pages: 493-498 Published: 1981 Times Cited: 65
- Title: ENERGY PRINCIPLE WITH GLOBAL INVARIANTS Author(s): BHATTACHARJEE, A; DEWAR, RL Source: PHYSICS OF FLUIDS Volume: 25 Issue: 5 Pages: 887-897 Published: 1982 Times Cited: 59
- Title: OSCILLATION CENTER QUASILINEAR THEORY Author(s): DEWAR, RL Source: PHYSICS OF FLUIDS Volume: 16 Issue: 7 Pages: 1102-1107 Published: 1973 Times Cited: 59
- 8. Title: RENORMALIZED CANONICAL PERTURBATION-THEORY FOR STOCHASTIC PROPAGATORS Author(s): DEWAR, RL Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 9 Issue: 12 Pages: 2043-2057 Published: 1976 Times Cited: 57
 9. Title: EDEOUENCY CLUET DUE TO TRADDED DADTICUES
- Title: FREQUENCY-SHIFT DUE TO TRAPPED PARTICLES Author(s): DEWAR, RL Source: PHYSICS OF FLUIDS Volume: 15 Issue: 4 Pages: 712-& Published: 1972 Times Cited: 55
- 10. Title: BACKSCATTER INSTABILITY OF SOLAR-WIND ALFVEN WAVES Author(s): COHEN, RH; DEWAR, RL Source: JOURNAL OF GEOPHYSICAL RESEARCH Volume: 79 Issue: 28 Pages: 4174-4178 Published: 1974

Times Cited: 54

- Title: LONG-WAVELENGTH KINK INSTABILITIES IN LOW-PRESSURE, UNIFORM AXIAL CURRENT, CYLINDRICAL PLASMAS WITH ELLIPTIC CROSS-SECTIONS Author(s): DEWAR, RL; GRIMM, RC; JOHNSON, JL; et al. Source: PHYSICS OF FLUIDS Volume: 17 Issue: 5 Pages: 930-938 Published: 1974 Times Cited: 54
- 12. Title: LAGRANGIAN THEORY FOR NONLINEAR WAVE PACKETS IN A COLLISIONLESS PLASMA Author(s): DEWAR, RL

Source: JOURNAL OF PLASMA PHYSICS Volume: 7 Issue: APR Pages: 267-& Published: 1972

Times Cited: 50

13. Title: ENERGY-MOMENTUM TENSORS FOR DISPERSIVE ELECTROMAGNETIC-WAVES Author(s): DEWAR, RL Source: AUSTRALIAN JOURNAL OF PHYSICS Volume: 30 Issue: 5-6 Pages: 533-575

Source: AUSTRALIAN JOURNAL OF PHYSICS Volume: 30 Issue: 5-6 Pages: 533-575 Published: 1977

Times Cited: 49

- Title: MODULATIONAL INSTABILITIES DUE TO TRAPPED ELECTRONS Author(s): DEWAR, RL; MANHEIME.WM; KRUER, WL Source: PHYSICAL REVIEW LETTERS Volume: 28 Issue: 4 Pages: 215-& Published: 1972 Times Cited: 48
- 15. Title: ENERGY PRINCIPLE WITH GLOBAL INVARIANTS FOR TOROIDAL PLASMAS Author(s): BHATTACHARJEE, A; DEWAR, RL; MONTICELLO, DA Source: PHYSICAL REVIEW LETTERS Volume: 45 Issue: 5 Pages: 347-350 Published: 1980

Times Cited: 47

- Title: Improved particle confinement mode in the H-1 heliac plasma Author(s): SHATS, G; RUDAKOV, DL; BLACKWELL, BD; et al. Source: PHYSICAL REVIEW LETTERS Volume: 77 Issue: 20 Pages: 4190-4193 Published: NOV 11 1996 Times Cited: 45
- 17. Title: LINEAR-STABILITY OF RESISTIVE MHD MODES AXISYMMETRICAL TOROIDAL COMPUTATION OF THE OUTER REGION MATCHING DATA Author(s): PLETZER, A; BONDESON, A; DEWAR, RL Source: JOURNAL OF COMPUTATIONAL PHYSICS Volume: 115 Issue: 2 Pages: 530-549 Published: DEC 1994 Times Cited: 41
- 18. Title: COUPLED TEARING MODES IN PLASMAS WITH DIFFERENTIAL ROTATION Author(s): DEWAR, RL; PERSSON, M Source: PHYSICS OF FLUIDS B-PLASMA PHYSICS Volume: 5 Issue: 12 Pages: 4273-4286 Published: DEC 1993 Times Cited: 40
- 19. Title: Spectrum of ballooning instabilities in a stellarator Author(s): COOPER, WA; SINGLETON, DB; DEWAR, RL Source: PHYSICS OF PLASMAS Volume: 3 Issue: 1 Pages: 275-280 Published: JAN 1996 Times Cited: 39
- **20.** Title: TILTING AND SHIFTING MODES IN A SPHEROMAK Author(s): JARDIN, SC; CHANCE, MS; DEWAR, RL; et al.

Source: NUCLEAR FUSION Volume: 21 Issue: 9 Pages: 1203-1207 Published: 1981 Times Cited: 37

- Title: MAGNETIC COORDINATES FOR EQUILIBRIA WITH A CONTINUOUS SYMMETRY Author(s): DEWAR, RL; MONTICELLO, DA; SY, WNC Source: PHYSICS OF FLUIDS Volume: 27 Issue: 7 Pages: 1723-1732 Published: 1984 Times Cited: 36
- 22. Title: NONIDEAL STABILITY VARIATIONAL METHOD FOR THE DETERMINATION OF THE OUTER-REGION MATCHING DATA Author(s): PLETZER, A; DEWAR, RL Source: JOURNAL OF PLASMA PHYSICS Volume: 45 Pages: 427-451 Published: JUN 1991 Times Cited: 33
- 23. Title: LAGRANGIAN DERIVATION OF ACTION-CONSERVATION THEOREM FOR DENSITY WAVES Author(s): DEWAR, RL Source: ASTROPHYSICAL JOURNAL Volume: 174 Issue: 2 Pages: 301-& Published: 1972 Times Cited: 30
- 24. Title: HELIAC PARAMETER STUDY Author(s): MONTICELLO, DA; DEWAR, RL; FURTH, HP; et al. Source: PHYSICS OF FLUIDS Volume: 27 Issue: 5 Pages: 1248-1252 Published: 1984 Times Cited: 29
- Title: MHD STABILITY PROPERTIES OF BEAN-SHAPED TOKAMAKS Author(s): GRIMM, RC; CHANCE, MS; TODD, AMM; et al. Source: NUCLEAR FUSION Volume: 25 Issue: 7 Pages: 805-823 Published: 1985 Times Cited: 28
- 26. Title: INFLUENCE OF DIAMAGNETIC DRIFTS ON CRITICAL BETA IN TOKAMAKS Author(s): TANG, WM; DEWAR, RL; MANICKAM, J Source: NUCLEAR FUSION Volume: 22 Issue: 8 Pages: 1079-1081 Published: 1982 Times Cited: 27
- Title: SATURATION OF KINETIC PLASMA INSTABILITIES BY PARTICLE TRAPPING Author(s): DEWAR, RL Source: PHYSICS OF FLUIDS Volume: 16 Issue: 3 Pages: 431-435 Published: 1973 Times Cited: 24
- 28. Title: VARIATIONAL METHOD FOR 3-DIMENSIONAL TOROIDAL EQUILIBRIA Author(s): BHATTACHARJEE, A; WILEY, JC; DEWAR, RL Source: COMPUTER PHYSICS COMMUNICATIONS Volume: 31 Issue: 2-3 Pages: 213-225 Published: 1984 Times Cited: 20
- Title: NONLINEAR DESTABILIZATION OF LINEARLY STABLE TEARING MODES WITH MULTIPLE RATIONAL SURFACES Author(s): PERSSON, M; DEWAR, RL Source: PHYSICS OF PLASMAS Volume: 1 Issue: 5 Pages: 1256-1263 Published: MAY 1994 Times Cited: 19
- Title: 2-DIMENSIONAL GENERALIZATIONS OF THE NEWCOMB EQUATION Author(s): DEWAR, RL; PLETZER, A Source: JOURNAL OF PLASMA PHYSICS Volume: 43 Pages: 291-310 Published: APR 1990

	Times Cited: 19
31.	Title: INDUCED SCATTERING OF LIGHT BY LIGHT IN A VACUUM
	Author(s): DEWAR, RL
	Times Cited: 19
32.	Title: Eigenvalue problems for Beltrami fields arising in a three-dimensional toroidal
	magnetohydrodynamic equilibrium problem
	Author(s): HUDSON, SR; HOLE, MJ; DEWAR, RL
	Source: PHYSICS OF PLASMAS Volume: 14 Issue: 5 Pages: - Published: MAY 2007
22	DUI. 10.1063/1.2722721 =
55.	Author(s): CUTHBERT P' I EWANDOWSKI JI V' GARDNER HJ' et al
	Source: PHYSICS OF PLASMAS Volume: 5 Issue: 8 Pages: 2921-2931 Published: AUG
	1998
	Times Cited: 16
34.	LITIE: ALMOST INVARIANT-MANIFOLDS FOR DIVERGENCE-FREE FIELDS
	Source: PHYSICS FTTERS & Volume: 194 Issue: 1-2 Pages: 49-56 Published: OCT 24
	1994
	Times Cited: 16
35.	Title: BIFURCATION OF THE RESISTIVE ALFVEN-WAVE SPECTRUM
	Author(s): DEWAR, RL; DAVIES, B Source: IOURNAL OF PLASMA RHYSICS Volume: 32 Issue: DEC Pages: 443 461
	Published: 1984
	Times Cited: 16
36.	Title: THE LINEAR-STABILITY ANALYSIS OF MHD MODELS IN AXISYMMETRIC
	Author(s): MANICKAM, J; GRIMM, RC; DEWAR, RL Source: COMPLITED DHYSICS COMMUNICATIONS Volume: 24 Jacua: 3.4 Pages: 355-361
	Published: 1981
	Times Cited: 16
37.	Title: ENERGY-LOSS DUE TO BINARY COLLISIONS IN A RELATIVISTIC PLASMA
	Author(s): FRANKEL, NE; HINES, KC; DEWAR, RL
	Source: PHYSICAL REVIEW A Volume: 20 Issue: 5 Pages: 2120-2129 Published: 1979 Times Cited: 15
38.	Title: Manipulation of islands in a heliac vacuum field
	Author(s): HUDSON, SR; DEWAR, RL
	Source: PHYSICS LETTERS A Volume: 226 Issue: 1-2 Pages: 85-92 Published: FEB 10
	1997 Times Ottail 11
20	
39.	Author(s): DEWAR, RL
	Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 11 Issue: 1
	Pages: 9-26 Published: 1978
40	Times Cited: 14
40.	Line: Relaxed Plasma Equilibria and Entropy-Related Plasma Self-Ordanization Principles

	Author(s): Dewar, Robert L.; Hole, Matthew J.; McGann, Mathew; et al. Source: Entropy Volume: 10 Issue: 4 Pages: 621-634 Published: 2008 Times Cited: 14
	DOI: 10.3390/e10040621 E
41.	Title: Strong "quantum" chaos in the global ballooning mode spectrum of three-dimensional
	AULIOI(S). DEWAR, RL, CUT ABERT, P, BALL, R Source: BHYSICAL BEVIEW LETTERS Volume: 96 Janua: 11 Dages: 2221 2221 Dublished:
	MAR 12 2001
	Times Cited: 13
42.	Title: Stellarator symmetry
	Author(s): DEWAR, RL; HUDSON, SR
	Source: PHYSICA D Volume: 112 Issue: 1-2 Pages: 275-280 Published: JAN 15 1998
	Times Cited: 13
43.	Title: A NEW FORMULATION OF THE RESISTIVE TEARING MODE-STABILITY
	Autnor(s): CHU, MS; DEWAR, RL; GREENE, JM; et al.
	Dublished: MAY 1993
	Times Cited: 13
44.	Title: NONLINEAR FREQUENCY-SHIFT OF A PLASMA-WAVE
	Author(s): DEWAR, RL; LINDL, J
	Source: PHYSICS OF FLUIDS Volume: 15 Issue: 3 Pages: 820-& Published: 1972
	Times Cited: 13
45.	Title: Stepped pressure profile equilibria in cylindrical plasmas via partial Taylor relaxation
	Author(s): HOLE, MJ; HUDSON, SR; DEWAR, RL
	Source: JOURNAL OF PLASMA PHYSICS Volume: 72 Pages: 1167-1171 Published: DEC
	Times Cited: 12
46	DOI. 10.1017/30022377000003001 📼
40.	Author(s): HUDSON SR: DEWAR RI
	Source: PHYSICS OF PLASMAS Volume: 6 Issue: 5 Pages: 1532-1538 Published: MAY
	1999
	Times Cited: 12
47.	Title: OPTIMAL OSCILLATION-CENTER TRANSFORMATIONS
	Author(s): DEWAR, RL
	Source: PHYSICA D Volume: 17 Issue: 1 Pages: 37-53 Published: 1985
40	Times Cited: 12
40.	Author(s): NUMATA P. BALL P. DEWAR PI
	Source: PHYSICS OF PLASMAS Volume: 14 Issue: 10 Pages: - Published: OCT 2007
	Times Cited: 11
49	Title: Metamorphosis of plasma turbulence-shear-flow dynamics through a transcritical
	bifurcation
	Author(s): BALL, R; DEWAR, RL; SUGAMA, H

Source: **PHYSICAL REVIEW E** Volume: **66** Issue: **6** Pages: - Published: **DEC 2002** Times Cited: **11**

DOI: 10.1103/PhysRevE.66.066408

 50. Title: HAMILTONIAN MAPS FOR HELIAC MAGNETIC ISLANDS Author(s): DAVIDSON, MG; DEWAR, RL; GARDNER, HJ; et al. Source: AUSTRALIAN JOURNAL OF PHYSICS Volume: 48 Issue: 5 Pages: 871-886 Published: 1995 Times Cited: 11 DOI: 10.1071/PH950871