

10 Publications

10.1 REFEREED JOURNAL PUBLICATIONS

1. **Anticipated X-ray and VUV spectroscopic data from ITER with appropriate diagnostic instrumentation**
Peacock N J, O'Mullane M G, Barnsley R, Tarbutt M
Canadian Journal of Physics **86**, 277 (2008)
2. **Thermographic measurement of the emittance plot of a single positive ion beamlet**
Kovari M, Crowley B, Cox S J
Review of Scientific Instruments **79**, 046106 (2008)
3. **Application of dimensionless parameter scaling techniques to the design and interpretation of magnetic fusion experiments**
Luce T C, Petty C C, Cordey J G
Plasma Physics and Controlled Fusion **50**, 043001 (2008)
4. **Sawtooth control using off-axis NBI**
Chapman I T, Jenkins I, Budny R V, Graves J P, Pinches S D, Saarelma S, JET-EFDA contributors
Plasma Physics and Controlled Fusion **50**, 045006 (2008)
5. **Integrated plasma shape and boundary flux control on JET tokamak**
Ariola M, De Tommasi G, Mazon D, Moreau D, Piccolo F, Pironti A, Sartori F, Zabeo L, JET-EFDA Contributors
Fusion Science & Technology **53**, 789 (2008)
6. **Mega-electron-volt ion loss measurements in JET D-³He plasmas using activation technique**
Bonheure G, Wieslander E, Hult M, Gasparro J, Marissens G, Arnold D, Laubenstein M, Popovichev S, Murari A, Lengar I, JET-EFDA Contributors
Fusion Science & Technology **53**, 806 (2008)
7. **Development of water detritiation facility for JET**
Perevezentsev A N, Bell A C
Fusion Science & Technology **53**, 816 (2008)
8. **The status of the ITER CODAC conceptual design**
Lister J B, Farthing J W, Greenwald M, Yonekawa I
Fusion Engineering and Design **83**, 164 (2008)
9. **Adaptation of the MAST passive current simulation model for real-time plasma control**
McArdle G J, Taylor D
Fusion Engineering and Design **83**, 188 (2008)

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10. **The JET PCU project: An international plasma control project**
Sartori F, Crisanti F, Albanese R, Ambrosino G, Toigo V, Hay J, Lomas P, Rimini F, Shaw S R, Luchetta A, Sousa J, Portone A, Bonicelli T, Ariola V, Artaserse G, Bigi M, Card P, Cavinato M, De Tommasi G, Gaio E, Jennison M, Mattei M, Maviglia F, Piccolo F, Pironti A, Soppelsa A, Villone F, Zanutto L
Fusion Engineering and Design **83**, 202 (2008)
11. **MAST's Integrated Data Access Management system: IDAM**
Muir D G, Appel L, Conway N J, Kirk A, Martin R, Meyer H, Storrs J, Taylor D, Thomas-Davies N, Waterhouse J
Fusion Engineering and Design **83**, 406 (2008)
12. **An XML-based configuration system for MAST PCS**
Storrs J, McArdle G
Fusion Engineering and Design **83**, 429 (2008)
13. **A universal access layer for the Integrated Tokamak Modelling Task Force**
Manduchi G, Iannone F, Imbeaux F, Huysmans G, Lister J B, Guillerminet B, Strand P, Eriksson L-G, Romanelli M, contributors to the ITM-TF work programme
Fusion Engineering and Design **83**, 462 (2008)
14. **PAPI based federation as a test-bed for a common security infrastructure in EFDA sites**
Castro R, Vega J, Portas A, Lopez D R, Balme S, Theis J M, Lebourg P, Fernandes H, Neto A, Duarte A, Oliveira F, Reis F, Purahoo K, Thomsen K, Schiller W, Kadlecik J
Fusion Engineering and Design **83**, 486 (2008)
15. **Saturation of tearing modes in reversed field pinches with locally linear force-free magnetic fields and its application to quasi-single-helicity states**
Tassi E, Militello F, Porcelli F, Hastie R J
Physics of Plasmas **15**, 052104 (2008)
16. **Effects of flow shear and Alfvén waves on two-dimensional magnetohydrodynamic turbulence**
Douglas J, Kim E-J, Thyagaraja A
Physics of Plasmas **15**, 052301 (2008)
17. **Excitation of Alfvén eigenmodes by low energy beam ions in the DIII-D and JET tokamaks**
Nazikian R, Gorelenkov N N, Alper B, Berk H L, Borba D, Budny R V, Fu G Y, Heidbrink W W, Kramer G J, Makowski M A, Pinches S D, Sharapov S E, Solomon W M, Strait E J, White R B, Van Zeeland M A, JET-EFDA contributors
Physics of Plasmas **15**, 056107 (2008)

18. **The influence of rotation on the β_N threshold for the 2/1 neoclassical tearing mode in DIII-D**
Buttery R J, La Haye R J, Gohil P, Jackson G L, Reimerdes H, Strait E J, DIII-D Team
Physics of Plasmas **15**, 056115 (2008)
19. **Energy levels and radiative rates for transitions in B-like to F-like Kr ions (Kr XXXII-XXVIII)**
Aggarwal K M, Keenan F P, Lawson K D
Atomic Data and Nuclear Data Tables **94**, 323 (2008)
20. **Chapter 3: ELMy H-mode operation in JET**
McDonald D C, Andrew Y, Huysmans G T A, Loarte A, Ongena J, Rapp J, Saarelma S
Fusion Science & Technology **53**, 891 (2008)
21. **Chapter 4: Advanced tokamak scenario development at JET**
Gormezano C, Challis C D, Joffrin E, Litaudon X, Sips A C C
Fusion Science & Technology **53**, 958 (2008)
22. **Chapter 5: Burning plasma studies at JET**
Sharapov S E, Eriksson L-G, Fasoli A, Gorini G, Kallne J, Kiptily V G, Korotkov A A, Murari A, Pinches S D, Testa D S, Thomas P R
Fusion Science & Technology **53**, 989 (2008)
23. **Chapter 6: Scrape-off layer transport on JET**
Fundamenski W
Fusion Science & Technology **53**, 1023 (2008)
24. **Chapter 7: Disruption studies in JET**
Riccardo V
Fusion Science & Technology **53**, 1064 (2008)
25. **Chapter 8: Performance-limiting magnetohydrodynamics in JET**
Buttery R J, Hender T C
Fusion Science & Technology **53**, 1080 (2008)
26. **Chapter 9: Physics studies with the additional heating systems in JET**
Noterdaeme J-M, Eriksson L-G, Mantsinen M, Mayoral M-L, Van Eester D, Mailloux J, Gormezano C, Jones T T C
Fusion Science & Technology **53**, 1103 (2008)
27. **Chapter 10: Core transport studies in JET**
Mantica P, Corrigan G, Garbet X, Imbeaux F, Lönnroth J, Parail V, Tala T, Taroni A, Valisa M, Weisen H
Fusion Science & Technology **53**, 1152 (2008)
28. **Testing the neutron attenuator based on ^6LiH for x-ray diagnostics of plasmas in the JET tokamak**
Chugunov I N, Shevelev A E, Gin D B, Naidenov V O, Kiptily V, Edlington T, Syme B
Instruments and Experimental Techniques **51**, 166 (2008)

29. **Low temperature plasma assisted catalytic reduction of NO_x in simulated marine diesel exhaust**
McAdams R, Beech P, Shawcross J T
Plasma Chemistry and Plasma Processing **28**, 159 (2008)
30. **An iterative semi-implicit scheme with robust damping**
Loureiro N F, Hammett G W
Journal of Computational Physics **227**, 4518 (2008)
31. **Materials subjected to fast neutron irradiation. Foreword**
Boutard J-L, Dudarev S L
Comptes Rendus Physique **9**, 285 (2008)
32. **Interatomic potentials for simulating radiation damage effects in metals**
Nordlund K, Dudarev S L
Comptes Rendus Physique **9**, 343 (2008)
33. **The Fe-Cr system: Atomistic modelling of thermodynamics and kinetics of phase transformations**
Nguyen-Manh D, Lavrentiev M Yu, Dudarev S L
Comptes Rendus Physique **9**, 379 (2008)
34. **The non-Arrhenius migration of interstitial defects in bcc transition metals**
Dudarev S L
Comptes Rendus Physique **9**, 409 (2008)
35. **The signature of evolving turbulence in quiet solar wind as seen by Ulysses**
Nicol R M, Chapman S C, Dendy R O
Astrophysical Journal **679**, 862 (2008)
36. **Detailed analysis of (n,p) and (n, α) cross sections in the EAF-2007 and TALYS-generated libraries**
Forrest R A, Kopecky J, Koning A J
Fusion Engineering and Design **83**, 634 (2008)
37. **Software for fast cameras and image handling on MAST**
Shibaev S, MAST team
Fusion Engineering and Design **83**, 667 (2008)
38. **Identification of vertical instabilities in the JET Tokamak**
Albanese R, Artaserse G, Maviglia F, Piccolo F, Sartori F
IEEE Transactions on Magnetics **44**, 1650 (2008)
39. **Lattice stability of intermediate phases of the Sr-Si system**
Brutti S, Nguyen-Manh D, Pettifor D G
Journal of Alloys and Compounds **457**, 29 (2008)

40. **Effect of toroidal field ripple on the formation of internal transport barriers**
de Vries P C, Joffrin E, Hawkes N C, Litaudon X, Challis C D, Andrew Y, Beurskens M, Brix M, Brzozowski J, Crombe K, Giroud C, Hobirk J, Johnson T, Lönnroth J, Salmi A, Tala T, Yavorskij V, Zastrow K-D, JET-EFDA contributors
Plasma Physics and Controlled Fusion **50**, 065008 (2008)
41. **LIF measurements on an atomic helium beam in the edge of a fusion plasma**
Krychowiak M, Mertens Ph, König R, Schweer B, Brezinsek S, Schmitz O, Brix M, Samm U, Klinger T
Plasma Physics and Controlled Fusion **50**, 065015 (2008)
42. **Test-particle simulations of collisional impurity transport in rotating spherical tokamak plasmas**
McKay R J, McClements K G, Thyagaraja A, Fletcher L
Plasma Physics and Controlled Fusion **50**, 065017 (2008)
43. **Identifying the MHD signature and power deposition characteristics associated with type-II ELMs in ASDEX Upgrade**
Perez von Thun C P, Maraschek M, da Graca S, Buttery R J, Herrmann A, Stober J, Conway G, Eich T, Fuchs J C, Horton L D, Igochine V, Kallenbach A, Loarte A, Müller H W, Nunes I, Saibene G, Sartori R, Sips A C C, Suttrop W, Wolfrum E, ASDEX Upgrade Team
Plasma Physics and Controlled Fusion **50**, 065018 (2008)
44. **ELMs and strike point movements**
Solano E R, Jachmich S, Villone F, Hawkes N, Corre Y, Alper B, Loarte A, Pitts R A, Guenther K, Korotkov A, Stamp M, Andrew P, Conboy J, Bolzonella T, Kempenaars M, Cenedese A, Rachlew E, JET-EFDA contributors
Nuclear Fusion **48**, 065005 (2008)
45. **Scaling of rotation and momentum confinement in JET plasmas**
de Vries P C, Hua M-D, McDonald D C, Giroud C, Janvier M, Johnson M F, Tala T, Zastrow K-D, JET-EFDA contributors
Nuclear Fusion **48**, 065006 (2008)
46. **Fast-neutron induced pre-equilibrium reactions on ^{55}Mn and $^{63,65}\text{Cu}$ at energies up to 40 MeV**
Avrigeanu M, Chuvaev S V, Filatenkov A A, Forrest R A, Herman M, Koning A J, M. Plompen A J M, Roman F L, Avrigeanu V
Nuclear Physics A **806**, 15 (2008)
47. **Triton burn-up neutron emission in JET low current plasmas**
Sjostrand H, Gorini G, Conroy S, Ericsson G, Giacomelli L, Henriksson H, Hjalmarsson A, Kallne J, Palma D, Popovichev S, Tardocchi M, Weiszflog M, EFDA JET contributors
Journal of Physics D:Applied Physics **41**, 115208 (2008)

48. **The 2.5-MeV neutron time-of-flight spectrometer TOFOR for experiments at JET**
Gatu Johnson M, Giacomelli L, Hjalmarsson A, Kallne J, Weiszflog M, Andersson Sunden E, Conroy S, Ericsson G, Hellesen C, Ronchi E, Sjostrand H, Gorini G, Tardocchi M, Combo A, Cruz N, Sousa J, Popovichev S, JET-EFDA contributors
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment **591**, 417 (2008)
49. **Plasma strike-point sweeping on JET tokamak with the eXtreme Shape Controller**
Ambrosino G, Ariola M, De Tommasi G, Pironti A, Sartori F, Joffrin E, Villone F
IEEE Transactions on Plasma Science **36**, 834 (2008)
50. **On the role of electron acoustic waves and beam acoustic modes in laser backscatter from plasmas**
Sircombe N J, Arber T D, Dendy R O
Journal of Physics: Conference Series **112**, 022043 (2008)
51. **Evolution of the radial electric field in a JET H-mode plasma**
Andrew Y, Hawkes N C, Biewer T, Crombe K, Keeling D, de la Luna E, Giroud C, Korotkov A, Meigs A, Murari A, Nunes I, Sartori R, Tala T
EPL **83**, 15003 (2008)
52. **Particle confinement of pellet-fuelled tokamak plasma**
Valovič M, Axon K, Garzotti L, Saarelma S, Thyagaraja A, Akers R, Gurl C, Kirk A, Lloyd B, Maddison G P, Morris A W, Patel A, Shibaev S, Scannell R, Taylor D, Walsh M, MAST team
Nuclear Fusion **48**, 075006 (2008)
53. **Structural investigation of re-deposited layers in JET**
Likonen J, Vainonen-Ahlgren E, Khriachtchev L, Coad J P, Rubel M, Renvall T, Arstila K, Hole D E, Contributors to the EFDA-JET Work-programme
Journal of Nuclear Materials **377**, 486 (2008)
54. **An analytical demonstration of coupling schemes between magnetohydrodynamic codes and eddy current codes**
Liu Y, Albanese R, Portone A, Rubinacci G, Villone F
Physics of Plasmas **15**, 072516 (2008)
55. **Large-scale simulation of the spin-lattice dynamics in ferromagnetic iron**
Pui-Wai Ma, Woo C H, Dudarev S L
Physical Review B **78**, 024434 (2008)
56. **The structure, evolution and role of the radial edge electric field in H-mode and L-mode on MAST**
Meyer H, Bunting C, Carolan P G, Conway N J, Dunstan M R, Kirk A, Scannell R, Temple D, Walsh M, MAST and NBI Teams
J. Phys.: Conf. Ser. **123**, 012005 (2008)

57. **Comparison of the spatial and temporal structure of type-I ELMs**
Kirk A, Asakura N, Boedo J A, Beurskens M, Counsell G F, Eich T, Fundamenski W, Herrmann A, Kamada Y, Leonard A W, Lisgo S, Loarte A, Oyama N, Pitts R A, Schmid A, Wilson H
J. Phys.: Conf. Ser. **123**, 012011 (2008)
58. **Comparison of the filament behaviour observed during type I ELMs in ASDEX upgrade and MAST**
Kirk A, Herrmann A, Ayed B, Eich T, Muller H W, Counsell G F, Lisgo S, Price M, Schmid A, Tallents S, Wilson H
J. Phys.: Conf. Ser. **123** (2008) 012012
59. **Effect of toroidal field ripple and toroidal rotation on H-mode performance and ELM characteristics in JET/JT-60U similarity experiments**
Oyama N, Saibene G, Kamada Y, Kamiya K, Loarte A, Lönroth J, Parail V, Sakamoto Y, Salmi A, Sartori R, Shinohara K, Takenaga H, Urano H, de Vries P, Yoshida M, JT-60 Team, JET-EFDA contributors
J. Phys.: Conf. Ser. **123**, 012015 (2008)
60. **Change of fluctuation properties during non-local temperature rise in LHD from 2d phase contrast imaging**
Michael C A, Tanaka K, Vyacheslavov L, Sanin A, Kawahata K, Okajima S, Tamura N, Inagaki S, Fukuda T, Yoshinuma M, Yokoyama M
J. Phys.: Conf. Ser. **123**, 012018 (2008)
61. **Particle confinement of pellet-fuelled H-mode plasmas in the Mega Ampere Spherical Tokamak**
Valovič M, Axon K, Garzotti L, Saarelma S, Thyagaraja A, Akers R, Gurl C, Kirk A, Lloyd B, Maddison G P, Patel A, Shibaev S, Scannell R, Taylor D, Walsh M, MAST Team
J. Phys.: Conf. Ser. **123**, 012039 (2008)
62. **Numerical simulation of hydrogenic and impurity flows in the boundary plasma on JET**
Belo P, Fundamenski W, Parail V, Corrigan G, Giroud C, Spence J, JET-EFDA contributors
Plasma Physics and Controlled Fusion **50**, 085003 (2008)
63. **Reversed shear Alfvén eigenmodes in the frequency range of the triangularity induced gap on JET**
Kramer G J, Fu G Y, Nazikian R, Budny R V, Cheng C Z, Gorelenkov N N, Pinches S D, Sharapov S E, Zastrow K-D, JET-EFDA Contributors
Plasma Physics and Controlled Fusion **50**, 082001 (2008)
64. **Linearly perturbed MHD equilibria and 3D eddy current coupling via the control surface method**
Portone A, Villone F, Liu Y, Albanese R, Rubinacci G
Plasma Physics and Controlled Fusion **50**, 085004 (2008)
65. **Recent experiments on Alfvén eigenmodes in MAST**
Gryaznevich M P, Sharapov S E, Lilley M, Pinches S D, Field A R, Howell D, Keeling D, Martin R, Meyer H, Smith H, Vann R, Denner P, Verwichte E, MAST Team
Nuclear Fusion **48**, 084003 (2008)

66. **Edge transport barrier formation studies on JET with the JETTO code**
Kalupin D, Wiesen S, Andrew Y, Tokar M Z, Parail V, Reiser D, Corrigan G, Korotkov A, Spence J, JET-EFDA contributors
Nuclear Fusion **48**, 085006 (2008)
67. **Characterization of edge turbulence in relation to edge magnetic field configuration in Ohmic L-mode plasmas in the Mega Amp Spherical Tokamak**
Hnat B, Dudson B D, Dendy R O, Counsell G F, Kirk A, MAST team
Nuclear Fusion **48**, 085009 (2008)
68. **Effects of three-dimensional electromagnetic structures on resistive-wall-mode stability of reversed field pinches**
Villone F, Liu Y Q, Paccagnella R, Bolzonella T, Rubinacci G
Physical Review of Letters **100**, 255005 (2008)
69. **Measuring the radiation field and radiation hard detectors at JET: Recent developments**
Murari A, Edlington T, Angelone M, Bertalot L, Bolshakova I, Bonheure G, Brzozowski J, Coccoresse V, Holyaka R, Kiptily V, Lengar I, Morgan P, Pillon M, Popovichev S, Prior P, Prokopowicz R, Quercia A, Rubel M, Santala M, Shevelev A, Syme B, Vagliasindi G, Villari R, Zoita V L, JET-EFDA Contributors
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment **593**, 492 (2008)
70. **Tritium in Fusion: R&D in the EU**
Lasser R, Antipenkov A, Bekris N, Boccaccini L V, Caldwell-Nichols C J, Cristescu I, Day Ch, Gasparotto M, Glugla M, Dell-Orco G, Gabriel F, Gastaldi O, Grisolia Ch, Knipe S, Magielsen A J, Moslang A, Murdoch D, Pearce R, Perevezentsev A, Piazza G, Poitevin Y, Ricapito I, Salavy J-F, Sedano L A, Zmitko M
Fusion Science & Technology **54**, 39 (2008)
71. **Detritiation of JET tiles by laser cleaning**
Widdowson A, Coad J P, Farcage D, Hole D, Likonen J, Renvall T, Semerok A, Thro P-Y, JET-EFDA Contributors
Fusion Science & Technology **54**, 51 (2008)
72. **Techniques for tritium recovery from carbon flakes and dust at the JET Active Gas Handling System**
Grunhagen S, Perevezentsev A, Brennan P D, Camp P, Knipe S, Miller A, Yorkshades J, and JET-EFDA Contributors
Fusion Science & Technology **54**, 55 (2008)
73. **Use of the absolute phase in frequency modulated continuous wave plasma reflectometry**
Cunningham G
Review of Scientific Instruments **79**, 083501 (2008)

74. **Structure and metastability of mesoscopic vacancy and interstitial loop defects in iron and tungsten**
Gilbert M R, Dudarev S L, Derlet P M, Pettifor D G
Journal Physics: Condens. Matter **20**, 345214 (2008)
75. **Dislocation pile-ups in Fe at high temperature**
Fitzgerald S P, Dudarev S L
Proceedings of the Royal Society A **464**, 2549 (2008)
76. **Mechanical design of the upgraded JET gamma-ray cameras**
Soare S, Curuia M, Kiptily V, Murari A, Prior P, Zoita V, Anghel M, Bonheure G, Constantin M, David E, Edlington T, Griph S, Le Guern F, Krivchenkov Y, Popovichev S, Riccardo V, Syme B, Thompson V
Journal of Optoelectronics and Advanced Materials **10**, 2088 (2008)
77. **Super-heated fluid detectors for neutron measurements at JET**
Gherendi M, Kiptily V, Zoita V, Conroy S, Edlington T, Falie D, Murari A, Pantea A, Popovichev S, Santala M, Soare S
Journal of Optoelectronics and Advanced Materials **10**, 2092 (2008)
78. **The detection of buried pipes from time-of-flight radar data**
Borgioli G, Capineri L, Falorni P, Matucci S, Windsor C G
IEEE Transactions on Geoscience and Remote Sensing **46**, 2254 (2008)
79. **Visualization of internal magnetic structure during pellet refueling of MAST tokamak plasmas**
Maddison G P, Axon K B, Dowling J, Garzotti L, Price M N, Valovič M
IEEE Transactions on Plasma Science **36**, 1106 (2008)
80. **Modelling dust transport in tokamaks**
Martin J D, Bacharis M, Coppins M, Counsell G F, Allen J E
EPL **83**, 65001 (2008)
81. **Magnetic drift kinetic damping of the resistive wall mode in large aspect ratio tokamaks**
Yueqiang Liu, Chu M S, Gimblett C G, Hastie R J
Physics of Plasmas **15**, 092505 (2008)
82. **Peierls potential for crowdions in the bcc transition metals**
Fitzgerald S P, Nguyen-Manh D
Physical Review of Letters **101**, 115504 (2008)
83. **Numerical experiments on dynamo action in sheared and rotating turbulence**
Yousef T A, Heinemann T, Rincon F, Schekochihin A A, Kleeorin N, Rogachevskii I, Cowley S C, McWilliams J C
Astronomische Nachrichten **329**, 737 (2008)
84. **Evidence of cold bubble-like structure in START density limit plasmas**
Ribeiro C, Jenkins I, Martin R, Sykes A, Walsh M J
Plasma Physics Reports **34**, 725 (2008)

85. **The theory of variances in equilibrium reconstruction**
Zakharov L E, Lewandowski J, Foley E L, Levinton F M, Yuh H Y,
Drozdov V, McDonald D C
Physics of Plasmas **15**, 092503 (2008)
86. **How the bond length can affect C 70 DOS and EEL spectra**
Nicholls R J, Nguyen-Manh D, Cockayne D J H
Journal of Physics: Conference Series **126**, 012061 (2008)
87. **Study of the spectral properties of ELM precursors by means of wavelets**
Poli F M, Sharapov S E, Chapman S C, JET-EFDA Contributors
Plasma Physics and Controlled Fusion **50**, 095009 (2008)
88. **Pedestal and ELM response to impurity seeding in JET advanced scenario plasmas**
Beurskens M N A, Arnoux G, Brezinsek A S, Challis C D, de Vries P C,
Giroud C, Huber A, Jachmich S, McCormick K, Pitts R A, Rimini F G,
Alfier A, de la Luna E, Fundamenski W, Gerasimov S, Giovannozzi E,
Joffrin E, Kempenaars M, Litaudon X, Loarer T, Lomas P, Mailloux J,
Pasqualotto R, Pericoli-Ridolfini V, Pugno R, Rachlew E, Saarelma S,
Solano E, Walsh M, Zabeo L, Zastrow K-D, JET-EFDA Contributors
Nuclear Fusion **48**, 095004 (2008)
89. **Investigation of pellet-triggered MHD events in ASDEX Upgrade and JET**
Lang P T, Lackner K, Maraschek M, Alper B, Belonohy E, Gal K, Hobirk J,
Kallenbach A, Kalvin S, Kocsis G, Perez von Thun C P, Suttrop W,
Szepesi T, Wenninger R, Zohm H, ASDEX Upgrade Team, JET-EFDA contributors
Nuclear Fusion **48**, 095007 (2008)
90. **Mechanism of neoclassical tearing modes triggering by a magnetic perturbation**
Arcis N, Sharapov S E
Physics Letters A **372**, 5807 (2008)
91. **Statistical properties of edge plasma turbulence in the Large Helical Device**
Dewhurst J M, Hnat B, Ohno N, Dendy R O, Masuzaki S, Morisaki T,
Komori A
Plasma Physics and Controlled Fusion **50**, 095013 (2008)
92. **Septum assessment of the JET gas box divertor**
Rapp J, Fundamenski W, Ingesson L C, Jachmich S, Huber A,
Matthews G F, Morgan P, Stamp M F, JET-EFDA Contributors
Plasma Physics and Controlled Fusion **50**, 095015 (2008)

93. **Modelling of carbon migration during JET ^{13}C injection experiments**
Strachan J D, Likonen J, Coad P, Rubel M, Widdowson A, Airila M, Andrew P, Brezinsek S, Corrigan G, Esser H G, Jachmich S, Kallenbach A, Kirschner A, Kreter A, Matthews G F, Philipps V, Pitts R A, Spence J, Stamp M, Wiesen S, JET-EFDA contributors
Nuclear Fusion **48**, 105002 (2008)
94. **A two-time-scale dynamic-model approach for magnetic and kinetic profile control in advanced tokamak scenarios on JET**
Moreau D, Mazon D, Ariola M, De Tommasi G, Laborde L, Piccolo F, Sartori F, Tala T, Zabeo L, Boboc A, Bouvier E, Brix M, Brzozowski J, Challis C D, Cocilovo V, Cordoliani V, Crisanti F, De La Luna E, Felton R, Hawkes N, King R, Litaudon X, Loarer T, Mailloux J, Mayoral M, Nunes I, Surrey E, Zimmerman O, JET-EFDA contributors
Nuclear Fusion **48**, 106001 (2008)
95. **Topical Review. Tritium inventory in ITER plasma-facing materials and tritium removal procedures**
Roth J, Tsitron E, Loarer T, Philipps V, Brezinsek S, Loarte A, Counsell G F, Doerner R P, Schmid K, Ogorodnikova O V, Causey R A
Plasma Physics and Controlled Fusion **50**, 103001 (2008)
96. **Stable numeric scheme for diffusion equation with a stiff transport**
Pereverzev G V, Corrigan G
Computer Physics Communications **179**, 579 (2008)
97. **Development of single crystal diamond neutron detectors and test at JET tokamak**
Angelone M, Lattanzi D, Pillon M, Marinelli M, Milani E, Tucciarone A, Verona-Rinati G, Popovichev S, Montekali R M, Vincenti M A, Murari A, JET-EFDA Contributors
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment **595**, 616 (2008)
98. **The maximum likelihood reconstruction method for JET neutron tomography**
Craciunescu T, Bonheure G, Kiptily V, Murari A, Soare S, Tiseanu I, Zoita V, JET-EFDA contributors
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment **595**, 623 (2008)
99. **Simulation of Joint European Torus beta scan experiments using theory-based models**
Laborde L, McDonald D C, Voitsekhovitch I, JET-EFDA contributors
Physics of Plasmas **15**, 102507 (2008)

100. **In-vessel activation monitors in JET: Progress in modeling**
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