

10 Publications

10.1 REFEREED JOURNAL PUBLICATIONS

1. **Analysis of fuel retention in plasma-facing components from controlled fusion devices**
Rubel M, Coad J P, Likonen J, Philipps V
Nuclear Instruments & Methods in Physics Research, Section B-Beam Interactions with Materials and Atoms **267**, 711 (2009)
2. **Optimising decentralised grid markets through group selection**
Chao I, Sanguesa R, Ardaiz O, Joita L, Rana O F
International Journal of Web and Grid Services **4**, 357 (2009)
3. **Alfvén eigenmodes in magnetic X-point configurations with strong longitudinal fields**
Ben Ayed N, McClements K G, Thyagaraja A
Journal of Plasma Physics **75**, 203 (2009)
4. **The EU programme for modelling radiation effects in fusion reactor materials: An overview of recent advances and future goals**
Dudarev S L, Boutard J-L, Lasser R, Caturla M J, Derlet P M, Fivel M, Fu C C, Lavrentiev M Y, Malerba L, Mrovec M, Nguyen-Manh D, Nordlund K, Perlado M, Schaublin R, Van Swygenhoven H, Terentyev D, Wallenius J, Weygand D, Willaime F
Journal of Nuclear Materials **386-388**, 1 (2009)
5. **Including electronic effects in damage cascade simulations**
Duffy D M, Rutherford A M
Journal of Nuclear Materials **386-388**, 19 (2009)
6. **Magnetic cluster expansion simulations of FeCr alloys**
Lavrentiev M Yu, Dudarev S L, Nguyen-Manh D
Journal of Nuclear Materials **386-388**, 22 (2009)
7. **Vacancy defects in Fe: Comparison between simulation and experiment**
Gilbert M R, Yao Z, Kirk M A, Jenkins M L, Dudarev S L
Journal of Nuclear Materials **386-388**, 36 (2009)
8. **The magnetic origin of anomalous high-temperature stability of dislocation loops in iron and iron-based alloys**
Dudarev S L, Derlet P M, Bullough R
Journal of Nuclear Materials **386-388**, 45 (2009)
9. **Atomistic calculation of elastic constants of alpha-iron containing point defects by means of magnetic interatomic potentials**
Chiesa S, Derlet P M, Dudarev S L, Van Swygenhoven H
Journal of Nuclear Materials **386-388**, 49 (2009)

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10. **Magnetic properties of point defect interaction with impurity atoms in Fe-Cr alloys**
Nguyen-Manh D, Lavrentiev M Yu, Dudarev S L
Journal of Nuclear Materials **386-388**, 60 (2009)
11. **Interaction between dislocations in bcc iron at high temperature**
Fitzgerald S P, Dudarev S L
Journal of Nuclear Materials **386-388**, 67 (2009)
12. **Overview of long-term fuel inventory and co-deposition in castellated beryllium limiters at JET**
Rubel M J, Coad J P, Hole D, JET-EFDA contributors
Journal of Nuclear Materials **386-388**, 729 (2009)
13. **The activation system EASY-2007**
Forrest R A, Kopecky J
Journal of Nuclear Materials **386-388**, 878 (2009)
14. **Dust in ITER: Diagnostics and removal techniques**
Rosanvallon S, Grisolia C, Delaporte P, Worms J, Onofri F, Hong S H, Counsell G, Winter J
Journal of Nuclear Materials **386-388**, 882 (2009)
15. **Evolving targets for DEMO: Implications for materials development**
Cook I, Maisonnier D, Ward D
Journal of Nuclear Materials **386-388**, 994 (2009)
16. **An absolute sensitivity calibration of the JET VUV SPRED spectrometer**
Lawson K D, Coffey I H, Zacks J, Stamp M F, JET-EFDA contributors
Journal of Instrumentation **4**, 04013 (2009)
17. **Effect of plasma rotation on the beam-driven current**
Cottrell G A, Kemp R
Nuclear Fusion **49**, 042001 (2009)
18. **Revised scaling equation for the prediction of tritium retention in beryllium co-deposited layers**
De Temmerman G, Doerner R P
Nuclear Fusion **49**, 042002 (2009)
19. **Status of the ITER heating neutral beam system**
Hemsworth R, Decamps H, Graceffa J, Schunke B, Tanaka M, Dremel M, Tanga A, De Esch H P L, Geli F, Milnes J, Inoue T, Marcuzzi D, Sonato P, Zaccaria P
Nuclear Fusion **49**, 045006 (2009)

20. **Effect of gas injection during LH wave coupling at ITER-relevant plasma-wall distances in JET**
 Ekedahl A, Rantamki K, Goniche M, Mailloux J, Petrzilka V, Alper B, Baranov Y, Basiuk V, Beaumont P, Corrigan G, Delpech L, Erents K, Granucci G, Hawkes N, Hobirk J, Imbeaux F, Joffrin E, Kirov K, Loarer T, McDonald D, Nave M F F, Nunes I, Ongena J, Parail V, Piccolo F, Rachlew E, Silva C, Sirinelli A, Stamp M, Zastrow K-D, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044001 (2009)
21. **SOL characterization and LH coupling measurements on JET in ITER-relevant conditions**
 Goniche M, Ekedahl A, Mailloux J, Petrzilka V, Rantamaki K, Belo P, Corrigan G, Delpech L, Erents K, Jacquet P, Kirov K, Mayoral M-L, Ongena J, Portafaix C, Stamp M, Zastrow K-D, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044002 (2009)
22. **Effects of ICRF induced density modifications on LH wave coupling at JET**
 Kirov K K, Mayoral M-L, Mailloux J, Baranov Yu, Colas L, Ekedahl A, Erents K, Goniche M, Korotkov A, Morgan P, Petrzilka V, Ongena J, Rantamaki K, Stamp M, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044003 (2009)
23. **Anomalous and classical neutral beam fast ion diffusion on JET**
 Baranov Yu F, Jenkins I, Alper B, Challis C D, Conroy S, Kiptily V, Ongena J, Popovichev S, Smeulders P, Surrey E, Zastrow K-D, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044004 (2009)
24. **Fundamental ion cyclotron resonance heating of JET deuterium plasmas**
 Krasilnikov A V, Van Eester D, Lerche E, Ongena J, Amosov V N, Biewer T, Bonheure G, Crombe K, Ericsson G, Esposito B, Giacomelli L, Hellesen C, Hjalmarsson A, Jachmich S, Kallne J, Kaschuck Yu A, Kiptily V, Leggate H, Mailloux J, Marocco D, Mayoral M-L, Popovichev S, Riva M, Santala M, Stamp M, Vdovin V, Walden A and JET EFDA Task Force Heating and JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044005 (2009)
25. **JET (^3He)-D scenarios relying on RF heating: Survey of selected recent experiments**
 Van Eester D, Lerche E, Andrew Y, Biewer T M, Casati A, Crombe K, de la Luna E, Ericsson G, Felton R, Giacomelli L, Giroud C, Hawkes N, Hellesen C, Hjalmarsson A, Joffrin E, Kallne J, Kiptily V, Lomas P, Mantica P, Marinoni A, Mayoral M-L, Ongena J, Puiatti M-E, Santala M, Sharapov S, Valisa M, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044007 (2009)
26. **Toroidal rotation in RF heated JET plasmas**
 Eriksson L-G, Hellsten T, Nave M F F, Brzozowski J, Holmstrom K, Johnson T, Ongena J, Zastrow K-D, JET-EFDA contributors
 Plasma Physics and Controlled Fusion **51**, 044008 (2009)

27. **A modulation model for mode splitting of magnetic perturbations in the Mega Ampere Spherical Tokamak**
Hole M J, Appel L C
Plasma Physics and Controlled Fusion **51**, 045002 (2009)
28. **Analysis of the radial transport of tracers in a turbulence simulation**
Sanchez Burillo G, van Milligen B Ph, Thyagaraja A
Physics of Plasmas **16**, 042319 (2009)
29. **An error analysis of dimensionless confinement scaling experiments**
Cordey J G
Nuclear Fusion **49**, 052001 (2009)
30. **Statistical analysis of disruptions in JET**
de Vries P C, Johnson M F, Segui I, JET-EFDA contributors
Nuclear Fusion **49**, 055011 (2009)
31. **Progress in understanding halo current at JET**
Riccardo V, Arnoux G, Beaumont P, Hacquin S, Hobirk J, Howell D, Huber A, Joffrin E, Koslowski R, Lam N, Leggate H, Rachlew E, Sergienko G, Stephen A, Todd T, Zerbini M, Delogu R, Grando L, Marcuzzi D, Peruzzo S, Pomaro N, Sonato P, JET-EFDA contributors
Nuclear Fusion **49**, 055012 (2009)
32. **The optimization of resonant magnetic perturbation spectra for the COMPASS tokamak**
Cahyna P, Panek R, Fuchs V, Krlin L, Becoulet M, Huysmans G, Nardon E
Nuclear Fusion **49**, 055024 (2009)
33. **Radial electric field in JET advanced tokamak scenarios with toroidal field ripple**
Crombe K, Andrew Y, Biewer T M, Blanco E, de Vries P C, Giroud C, Hawkes N C, Meigs A, Tala T, von Hellermann M, Zastrow K-D, JET-EFDA contributors
Plasma Physics and Controlled Fusion **51**, 055005 (2009)
34. **Effect of micrometric hot spots on surface temperature measurement and flux calculation in the middle and long infrared**
Delchambre E, Counsell G, Kirk A
Plasma Physics and Controlled Fusion **51**, 055012 (2009)
35. **Stability of the resistive wall mode in JET**
Chapman I T, Gimblett C G, Gryaznevich M P, Hender T C, Howell D F, Liu Y Q, Pinches S D, JET-EFDA contributors
Plasma Physics and Controlled Fusion **51**, 055015 (2009)
36. **Heat and mass transfer in air-fed pressurised suits**
Tesch K, Collins M W, Karayiannis T G, Atherton M A, Edwards P
Applied Thermal Engineering **29**, 1375 (2009)

37. **Low and medium energy deuteron-induced reactions on 27 Al**
Bem P, Simeckova S, Honusek M, Fischer U, Simakov S P, Forrest R A, Avrigeanu M, Obreja A C, Roman F L, Avrigeanu V
Physical Review C **79**, 044610 (2009)
38. **Experimental study of the ion critical-gradient length and stiffness level and the impact of rotation in the JET tokamak**
Mantica P, Strintzi D, Tala T, Giroud C, Johnson T, Leggate H, Lerche E, Loarer T, Peeters A G, Salmi A, Sharapov S, Van Eester D, de Vries P C, Zabeo L, Zastrow K-D
Physical Review of Letters **102**, 175002 (2009)
39. **Progress in physics and control of the resistive wall mode in advanced tokamaks**
Liu Y, Chapman I T, Chu M S, Reimerdes H, Villone F, Albanese R, Ambrosino G, Garofalo A M, Gimblett C G, Hastie R J, Hender T C, Jackson G L, La Haye R J, Okabayashi M, Pironti A, Portone A, Rubinacci G, Strait E J
Physics of Plasmas **16**, 056113 (2009)
40. **Optimizing stability, transport, and divertor operation through plasma shaping for steady-state scenario development in DIII-D**
Holcomb C T, Ferron J R, Luce T C, Petrie T W, Politzer P A, Challis C, DeBoo J C, Doyle E J, Greenfield C M, Groebner R J, Groth M, Hyatt A W, Jackson G L, Kessel C, La Haye R J, Makowski M A, McKee G R, Murakami M, Osborne T H, Park J-M, Prater R, Porter G D, Reimerdes H, Rhodes T L, Shafer M W, Snyder P B, Turnbull A D, West W P
Physics of Plasmas **16**, 056116 (2009)
41. **Destabilizing effect of dynamical friction on fast-particle-driven waves in a near-threshold nonlinear regime**
Lilley M K, Breizman B N, Sharapov S E
Physical Review Letters **102**, 195003 (2009)
42. **Symmetry constraints on the dynamics of magnetically confined plasma**
Arter W
Physical Review Letters **102**, 195004 (2009)
43. **Astrophysical gyrokinetics: Kinetic and fluid turbulent cascades in magnetized weakly collisional plasmas**
Schekochihin A A, Cowley S C, Dorland W, Hammett G W, Howes G G, Quataert E, Tatsuno T
The Astrophysical Journal, Supplement Series **182**, 310 (2009)
44. **Non-inductive current drive and transport in high β_N plasmas in JET**
Voitsekhoitch I, Alper B, Brix M, Budny R V, Buratti P, Challis C D, Ferron J, Giroud C, Joffrin E, Laborde L, Luce T C, McCune D, Menard J, Murakami M, Park J M, JET-EFDA contributors
Nuclear Fusion **49**, 055026 (2009)

45. **Unbiased and non-supervised learning methods for disruption prediction at JET**
Murari A, Vega J, Ratta G A, Vagliasindi G, Johnson M F, Hong S H, JET-EFDA contributors
Nuclear Fusion **49**, 055028 (2009)
46. **Deuterium retention and release in tungsten co-deposited layers**
De Temmerman G, Doerner R P
Journal of Nuclear Materials **389**, 479 (2009)
47. **Recent analysis of key plasma wall interactions issues for ITER**
Roth J, Tsrone E, Loarte A, Loarer Th, Counsell G, Neu R, Philipps V, Brezinsek S, Lehnen M, Coad P, Grisolia Ch, Schmid K, Krieger K, Kallenbach A, Lipschultz B, Doerner R, Causey R, Alimov V, Shu W, Ogorodnikova O, Kirschner A, Federicij G, Kukushkind A, EFDA PWI Task Force, ITER PWI Team, Fusion for Energy, ITPA SOL/DIV
Journal of Nuclear Materials **390-391**, 1 (2009)
48. **Power and particle exhaust in tokamaks: Integration of plasma scenarios with plasma facing materials and components**
Fundamenski W
Journal of Nuclear Materials **390-391**, 10 (2009)
49. **Dynamics of erosion and deposition in tokamaks**
Kreter A, Brezinsek S, Coad J P, Esser H G, Fundamenski W, Philipps V, Pitts R A, Rohde V, Tanabe T, Widdowson A, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 38 (2009)
50. **Appearance of hot spots due to deposits in the JET MKII-HD outer divertor**
van Rooij G J, Brezinsek S, Coad J P, Fundamenski W, Philipps V, Arnoux G, Stamp M F, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 80 (2009)
51. **Be wall sources and migration in L-mode discharges after Be evaporation in the JET tokamak**
Krieger K, Brezinsek S, Jachmich S, Lisgo S, Stamp M, Esser H G, Kreter A, Menmuir S, Mertens Ph, Philipps V, Sundelin P, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 110 (2009)
52. **Erosion and deposition behaviour of a-C:H layers in the private flux region of the JET MKII-HD divertor**
Esser H G, Kreter A, Philipps V, Widdowson A M, Coad J P, Stamp M, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 148 (2009)
53. **Highly radiating type-III ELMy H-mode with low plasma core pollution**
Rapp J, de Baar M R, Fundamenski W, Brix M, Felton R, Giroud C, Huber A, Jachmich S, Joffrin E, Nunes I, van Rooij G J, Stamp M, Telesca G, Zagorski R, JET-EFDA contributors
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54. **Divertor heat load in ITER-like advanced tokamak scenarios on JET**
 Arnoux G, Andrew P, Beurskens M, Brezinsek S, Challis C D, De Vries P, Fundamenski W, Gauthier E, Giroud C, Huber A, Jachmich S, Litaudon X, Pitts R A, Rimini F, JET-EFDA contributors
 Journal of Nuclear Materials **390-391**, 263 (2009)
55. **The impact of divertor detachment on carbon sources in JET L-mode discharges**
 Brezinsek S, Meigs A G, Jachmich S, Stamp M F, Rapp J, Felton R, Pitts R A, Philipps V, Huber A, Pugno R, Sergienko G, Pospieszczyk A, JET-EFDA contributors
 Journal of Nuclear Materials **390-391**, 267 (2009)
56. **Kinetic simulations of the parallel transport in the JET scrape-off layer**
 Tskhakaya D, Pitts R A, Fundamenski W, Eich T, Kuhn S, JET-EFDA contributors EFDA-JET;
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57. **3D modelling of edge parallel flow asymmetries**
 Tamain P, Ghendrih Ph, Tsitrone E, Sarazin Y, Garbet X, Grandgirard V, Gunn J, Serre E, Ciraolo G, Chiavassa G
 Journal of Nuclear Materials **390-391**, 347 (2009)
58. **Intermittent transport in the JET far-SOL**
 Silva C, Goncalves B, Hidalgo C, Pedrosa M A, Fundamenski W, Stamp M, Pitts R A and JET-EFDA contributors
 Journal of Nuclear Materials **390-391**, 355 (2009)
59. **Modelling SOL flow pattern spreading in the edge plasma**
 Isoardi L, Ciraolo G, Chiavassa G, Haldenwang P, Serre E, Ghendrih Ph, Sarazin Y, Schwander F, Garbet X, Tamain P
 Journal of Nuclear Materials **390-391**, 388 (2009)
60. **Interpretive modelling of scrape-off plasmas on the MAST tokamak**
 Harrison J, Lisgo S, Counsell G F, Gibson K, Dowling J, Trojan L, Reiter D
 Journal of Nuclear Materials **390-391**, 392 (2009)
61. **Self-consistent modeling of impurity seeded JET advanced tokamak scenarios**
 Zagorski R, Telesca G, Arnoux G, Beurskens M, Fundamenski W, McCormick K, JET-EFDA contributors
 Journal of Nuclear Materials **390-391**, 404 (2009)
62. **Simulation of H-modes discharges in ASDEX-Upgrade and MAST**
 Rozhansky V, Kaveeva E, Molchanov P, Veselova I, Voskoboynikov S, Coster D, Counsell G, Kirk A, Lisgo S, ASDEX-Upgrade Team
 Journal of Nuclear Materials **390-391**, 408 (2009)

63. **SOLPS5 simulations of Type I ELMing H-mode at JET**
Gulejova B, Pitts R A, Coster D, Bonnin X, Beurskens M, Jachmich S, Kallenbach A, contributors to the EFDA-JET workprogramme
Journal of Nuclear Materials **390-391**, 412 (2009)
64. **Insight into the co-deposition of deuterium with beryllium: Influence of the deposition conditions on the deuterium retention and release**
De Temmerman G, Baldwin M J, Doerner R P, Nishijima D, Seraydarian R, Schmid K
Journal of Nuclear Materials **390-391**, 564 (2009)
65. **Assessment of the flash-lamp photon-cleaning detritiation method tested at JET**
Bekris N, Coad J P, Widdowson A, Erbe A, Ehrmann J, Kloppe B, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 614 (2009)
66. **Thermo-oxidation and analysis of JET codeposits**
Haasz A A, Likonen J, Coad J P, Tsui C K, Davis J W, Widdowson A M
Journal of Nuclear Materials **390-391**, 626 (2009)
67. **Physics of ELM power fluxes to plasma facing components and implications for ITER**
Kirk A, Lisgo S, Nardon E, Eich T, Herrmann A, Kallenbach A, Loarte A
Journal of Nuclear Materials **390-391**, 727 (2009)
68. **Active control of edge localized modes with a low n perturbation fields in the JET tokamak**
Liang Y, Jachmich S, Koslowski H R, Nardon E, Alfier A, Baranov Y, De La Luna E, de Vries P, Eich T, Esser H G, Harting D, Kiptily V, Kreter A, Gerasimov S, Gryaznevich M P, Howell D, Sergienko G, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 733 (2009)
69. **Runaway generation during disruptions in JET and TEXTOR**
Lehnen M, Abdullaev S S, Arnoux G, Bozhenkov S A, Jakubowski M W, Jaspers R, Plyusnin V V, Riccardo V, Samm U, JET-EFDA contributors, TEXTOR Team
Journal of Nuclear Materials **390-391**, 740 (2009)
70. **The impact of large ELMs on JET**
Pitts R A, Arnoux G, Beurskens M, Eich T, Fundamenski W, Huber A, Loarte A, Marki J, Stamp M F, Andrew P, Brezinsek S, Esser H G, Gulejova B, Jachmich S, Kreter A, de la Luna E, Matthews G F, Philipps V, Solano E, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 755 (2009)

71. **On the asymmetries of ELM divertor power deposition in JET and ASDEX Upgrade**
Eich T, Kallenbach A, Fundamenski W, Herrmann A, Naulin V, JET-EFDA contributors and ASDEX Upgrade team
Journal of Nuclear Materials **390-391**, 760 (2009)
72. **Effect of external perturbation fields on divertor particle and heat loads during ELMs at JET**
Jachmich S, Liang Y, Arnoux G, Eich T, Fundamenski W, Koslowski H R, Pitts R A, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 768 (2009)
73. **ELM control by resonant magnetic perturbations on JET and MAST**
Nardon E, Kirk A, Ben Ayed N, Becoulet M, Cahyna P, Evans T E, Huysmans G, Koslowski H R, Liang Y, Saarelma S, Thomas P R, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 773 (2009)
74. **ELM filament interaction with the JET main chamber**
Jakubowski M W, Fundamenski W, Arnoux G, Eich Th, Pitts R A, Reiter D, Wolf R C, JET-EFDA contributors
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75. **Fast visible imaging of ELM-wall interactions on JET**
Alonso J A, Andrew P, Neto A, de Pablos J L, de la Cal E, Fernandes H, Fundamenski W, Hidalgo C, Kocsis G, Murari A, Petravich G, Pitts R A, Rios L, Silva C, EFDA-JET contributors
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76. **Plasma radiation distribution and radiation loads onto the vessel during transient events in JET**
Huber A, Pitts R A, Loarte A, Philipps V, Andrew P, Brezinsek S, Coad J P, Eich T, Fuchs J C, Fundamenski W, Jachmich S, Matthews G F, McCormick K, Mertens Ph, Rapp J, Sergienko G, Stamp M F, JET-EFDA contributors
Journal of Nuclear Materials **390-391**, 830 (2009)
77. **Engineering challenges of the JET ITER-like Wall**
Riccardo V and on behalf of the ITER-like Wall Engineering Design and Manufacture Team
Journal of Nuclear Materials **390-391**, 895 (2009)
78. **Development of divertor tungsten coatings for the JET ITER-like Wall**
Matthews G F, Coad P, Greuner H, Hill M, Hirai T, Likonen J, Maier H, Mayer M, Neu R, Philipps V, Pitts R, Riccardo V, JET-EFDA contributors
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79. **Power deposition modelling of the ITER-like Wall beryllium tiles at JET**
Firdaouss M, Mitteau R, Villedieu E, Riccardo V, Lomas P, Vizvary Z, Portafaix C, Ferrand L, Thomas P, Nunes I, de Vries P, Chappuis P, Stephan Y
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80. **Development and qualification of a bulk tungsten divertor row for JET**
Mertens Ph, Altmann H, Hirai T, Philipps V, Pintsuk G, Rapp J, Riccardo V, Schweer B, Uytendhouwen I, Samm U
Journal of Nuclear Materials **390-391**, 967 (2009)
81. **Testing of beryllium marker coatings in PISCES-B for the JET ITER-like Wall**
Widdowson A, Baldwin M J, Coad J P, Doerner R P, Hanna J, Hole D E, Matthews G F, Rubel M, Seraydarian R, Xu H, JET-EFDA contributors
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82. **Testing of tungsten coatings in JET for the ITER-like Wall**
Coad J P, Hole D E, Kolodinska E, Likonen J, Lindig S, Matthews G F, Mayer M, Philipps V, Riccardo V, Widdowson A, JET-EFDA contributors
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83. **An overview of a comprehensive First Mirror Test for ITER at JET**
Rubel M, De Temmerman G, Sundelin P, Coad J P, Widdowson A, Hole D, Le Guern F, Stamp M, Vince J, JET-EFDA contributors
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84. **Interpretation of spatially resolved helium line ratios on MAST**
Lisgo S, Borner P, Counsell G F, Dowling J, Kirk A, Scannell R, O'Mullane M, Reiter D, MAST Team
Journal of Nuclear Materials **390-391**, 1078 (2009)
85. **Reactivity of rhodium during co-deposition of rhodium and carbon**
Marot L, Steiner R, De Temmerman G, Oelhafen P
Journal of Nuclear Materials **390-391**, 1135 (2009)
86. **Dimple optimization for XPS characterization of TEXTOR tile depositions**
Uytendhouwen I, Gonzalez de Vicente S M, Coad J P, Van Renthergem W, Van den Berghe S, Van Oost G, Massaut V
Journal of Nuclear Materials **390-391**, 1138 (2009)
87. **Study of the fast ion confinement and current profile control on MAST**
Turnyanskiy M, Keeling D L, Akers R J, Cunningham G, Conway N J, Meyer H, Michael C A, Pinches S D
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88. **Tokamak plasma self-organization and the possibility to have the peaked density profile in ITER**
Razumova K A, Andreev V F, Kislov A Ya, Kirneva N A, Lysenko S E, Pavlov Yu D, Shafranov T V, T-10 Team, Donne A J H, Hogeweij G M D, Spakman G W, Jaspers R, TEXTOR team, Kantor M, Walsh M
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89. **Principal physics developments evaluated in the ITER design review**
 Hawryluk R J, Campbell D J, Janeschitz G, Thomas P R, Albanese R, Ambrosino R, Bachmann C, Baylor L, Becoulet M, Benfatto I, Bialek J, Boozer A, Brooks A, Budny R, Casper T, Cavinato M, Cordier J-J, Chuyanov V, Doyle E, Evans T, Federici G, Fenstermacher M, Fujieda H, G'al K, Garofalo A, Garzotti L, Gates D, Gribov Y, Heitzenroeder P, Hender T C, Holtkamp N, Humphreys D, Hutchinson I, Ioki K, Johner J, Johnson G, Kamada Y, Kavin A, Kessel C, Khayrutdinov R, Kramer G, Kukushkin A, Lackner K, Landman I, Lang P, Liang Y, Linke J, Lipschultz B, Loarte A, Loesser G D, Lowry C, Luce T, Lukash V, Maruyama S, Mattei M, Menard J, Merola M, Mineev A, Mitchell N, Nardon E, Nazikian R, Nelson B, Neumeyer C, Park J-K, Pearce R, Pitts R A, Polevoi A, Portone A, Okabayashi M, Rebut P H, Riccardo V, Roth J, Sabbagh S, Saibene G, Sannazzaro G, Schaffer M, Shimada M, Sen A, Sips A, Skinner C H, Snyder P, Stambaugh R, Strait E, Sugihara M, Tsitrone E, Urano J, Valovič M, Wade M, Wesley J, White R, Whyte D G, Wu S, Wykes M, Zakharov L
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90. **Error field penetration in the presence of diamagnetic effects**
 Militello F, Waelbroeck F L
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382. **Power and particle exhaust: Recent progress on JET and implications for ITER**

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