

1. Title: [RATE THEORY OF SWELLING DUE TO VOID GROWTH IN IRRADIATED METALS](#)
Author(s): BRAILSFO.AD, BULLOUGH R
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **44** Issue: **2** Pages: **121-&** Published: **1972**
Times Cited: **419**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-47XN3YB-29&_user=4845034&_coverDate=08%2F31%2F1972&_alid=1006023481&_rdoc=7&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=14&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=e66cbf455420c49b8c74a06d106af345

2. Title: [LATTICE THEORY OF POINT-DEFECTS](#)
Author(s): DEDERICHS PH, LEHMANN C, SCHOBBER HR, et al.
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **176-199**
Published: **1978**
Times Cited: **314**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4D04912-C&_user=4845034&_coverDate=02%2F28%2F1978&_alid=1006029570&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=40637&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=1b29351ca9275ab64daa5f16f4827ac4

3. Title: [EFFECT OF RADIATION UPON DIFFUSION IN METALS](#)
Author(s): SIZMANN R
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **386-412**
Published: **1978**
Times Cited: **284**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4D04912-V&_user=4845034&_coverDate=02%2F28%2F1978&_alid=1006029377&_rdoc=2&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=65376&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=38c610b2b68d156e830b61d5709dcb95

4. Title: [THE CHEMICAL-STATE OF THE FISSION-PRODUCTS IN OXIDE FUELS](#)
Author(s): KLEYKAMP H
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **131** Issue: **2-3** Pages: **221-246**
Published: **1985**
Times Cited: **272**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4805GPW-1RS&_user=4845034&_coverDate=04%2F30%2F1985&_alid=1006789316&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=3486&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=7a66fce8d2edab5272120aefb8a505b7

5. Title: [BORONIZATION IN TEXTOR](#)
Author(s): WINTER J, ESSER HG, KONEN L, et al.
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **162** Pages: **713-723** Published: **APR 1989**
Times Cited: **266**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4817K6C-YR&_user=4845034&_coverDate=04%2F01%2F1989&_alid=1006793605&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=3486&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=7a66fce8d2edab5272120aefb8a505b7

[_orig=search& cdi=5595& sort=r& docanchor=&view=c& ct=190& acct=C000000593& versio
n=1& urlVersion=0& userid=4845034&md5=bf57b40bf9565096ed7133786ca2a6da](http://www.sciencedirect.com/science?_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=190&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=bf57b40bf9565096ed7133786ca2a6da)

6. Title: VACANCY DEFECT MOBILITIES AND BINDING-ENERGIES OBTAINED FROM ANNEALING STUDIES

Author(s): BALLUFFI RW

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **240-263**

Published: **1978**

Times Cited: **252**

[http://www.sciencedirect.com/science?_ob=ArticleURL& udi=B6TXN-4D04912-
H& user=4845034& coverDate=02%2F28%2F1978& alid=1006792202& rdoc=1& fmt=high&
_orig=search& cdi=5595& sort=r& docanchor=&view=c& ct=1958& acct=C000000593& versio
n=1& urlVersion=0& userid=4845034&md5=b195db0b68282edbb2b428e0665af8b0](http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-4D04912-H&user=4845034&coverDate=02%2F28%2F1978&alid=1006792202&rdoc=1&fmt=high&_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=1958&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=b195db0b68282edbb2b428e0665af8b0)

7. Title: SEGREGATION OF ALLOYING ELEMENTS TO FREE SURFACES DURING IRRADIATION

Author(s): OKAMOTO PR, WIEDERSI.H

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **53** Issue: **1** Pages: **336-345** Published: **1974**

Times Cited: **218**

[http://www.sciencedirect.com/science?_ob=ArticleURL& udi=B6TXN-47XN4GT-
CF& user=4845034& coverDate=09%2F30%2F1974& alid=1006795448& rdoc=1& fmt=high&
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n=1& urlVersion=0& userid=4845034&md5=652f4c38c05ac9815102a03be9b7b1cf](http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-47XN4GT-CF&user=4845034&coverDate=09%2F30%2F1974&alid=1006795448&rdoc=1&fmt=high&_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=653&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=652f4c38c05ac9815102a03be9b7b1cf)

8. Title: CARBONIZATION IN TOKAMAKS

Author(s): WINTER J

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **145** Pages: **131-144** Published: **FEB 1987**

Times Cited: **209**

[http://www.sciencedirect.com/science?_ob=ArticleURL& udi=B6TXN-4804TTY-
4B& user=4845034& coverDate=02%2F02%2F1987& alid=1006793289& rdoc=1& fmt=high&
_orig=search& cdi=5595& sort=r& docanchor=&view=c& ct=123& acct=C000000593& versio
n=1& urlVersion=0& userid=4845034&md5=367e57c326633c0f936e0ab91bac9d63](http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-4804TTY-4B&user=4845034&coverDate=02%2F02%2F1987&alid=1006793289&rdoc=1&fmt=high&_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=123&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=367e57c326633c0f936e0ab91bac9d63)

9. Title: RADIATION-INDUCED SEGREGATION IN BINARY AND TERNARY ALLOYS

Author(s): OKAMOTO PR, REHN LE

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **83** Issue: **1** Pages: **2-23** Published: **1979**

Times Cited: **197**

[http://www.sciencedirect.com/science?_ob=ArticleURL& udi=B6TXN-47YRG32-
XR& user=4845034& coverDate=08%2F31%2F1979& alid=1006796754& rdoc=1& fmt=high&
_orig=search& cdi=5595& sort=r& docanchor=&view=c& ct=716& acct=C000000593& versio
n=1& urlVersion=0& userid=4845034&md5=f971fd2457561850a8587ed2d02df916](http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-47YRG32-XR&user=4845034&coverDate=08%2F31%2F1979&alid=1006796754&rdoc=1&fmt=high&_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=716&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=f971fd2457561850a8587ed2d02df916)

10. Title: SELF-DIFFUSION IN PURE METALS

Author(s): PETERSON NL

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **3-37** Published: **1978**

Times Cited: **194**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4D04912-2&_user=4845034&_coverDate=02%2F28%2F1978&_alid=1006796980&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=26214&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=84fd4269974d0c2ea6b808639d21de7c

11. Title: SOLUTE DIFFUSION IN DILUTE ALLOYS

Author(s): LECLAIRE AD

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **70-96** Published: **1978**

Times Cited: **186**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4D04912-5&_user=4845034&_coverDate=02%2F28%2F1978&_alid=1006808074&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_docanchor=&_view=c&_ct=3678&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=6a52e43ee019a56c304a99b02750a412

12. Title: A MODEL FOR ATOMIC-HYDROGEN METAL INTERACTIONS - APPLICATION TO RECYCLING, RECOMBINATION AND PERMEATION

Author(s): PICK MA, SONNENBERG K

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **131** Issue: **2-3** Pages: **208-220** Published: **1985**

Times Cited: **177**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4805GPW-1RR&_user=4845034&_coverDate=04%2F30%2F1985&_alid=1006809157&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=116&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=ffded463518b539bf034cb7e11c0202d

13. Title: Defect production in ceramics

Author(s): Zinkle SJ, Kinoshita C

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **251** Pages: **200-217** Published: **NOV 1997**

Times Cited: **174**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-3W6M7N4-1H&_user=4845034&_coverDate=11%2F11%2F1997&_alid=1006812016&_rdoc=2&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=16238&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=6b2b214a51d50694e4d8e97d6a0c74d3

14. Title: SELF-INTERSTITIAL ATOMS IN METALS

Author(s): SCHILLING W

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **465-489** Published: **1978**

Times Cited: **174**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4D04912-11&_user=4845034&_coverDate=02%2F28%2F1978&_alid=1006816435&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=8017&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=2de832ef4f3e5e15290cde790212cb5b

15. Title: NEUTRON-IRRADIATION DAMAGE IN MGO, AL₂O₃ AND MGAL₂O₄ CERAMICS

Author(s): CLINARD FW, HURLEY GF, HOBBS LW

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **108** Issue: **1-2** Pages: **655-670**

Published: **1982**
Times Cited: **173**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-47YRG73-1CC&_user=4845034&_coverDate=08%2F31%2F1982&_alid=1006816843&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=82&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=bf05665112e988977f8082338fd17226

16. Title: A CALCULATION OF THE SURFACE RECOMBINATION RATE-CONSTANT FOR HYDROGEN ISOTOPES ON METALS
Author(s): BASKES MI
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **92** Issue: **2-3** Pages: **318-324** Published: **1980**
Times Cited: **173**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4805C2P-2B&_user=4845034&_coverDate=09%2F30%2F1980&_alid=1006816002&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=1805&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=40470c87988c1a785bd2267ef300c0de

17. Title: In-vessel tritium retention and removal in ITER
Author(s): Federici G, Anderl RA, Andrew P, et al.
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **266** Pages: **14-29** Published: **MAR 1999**
Times Cited: **169**

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18. Title: REVIEW OF MARFE PHENOMENA IN TOKAMAKS
Author(s): LIPSCHULTZ B
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **145** Pages: **15-25** Published: **FEB 1987**
Times Cited: **169**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-4804TTY-3X&_user=4845034&_coverDate=02%2F02%2F1987&_alid=1006820655&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=20&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=6c5736d2d446dd4a0922033bbdb6274c

19. Title: THEORY OF RADIATION-INDUCED SEGREGATION IN CONCENTRATED ALLOYS
Author(s): WIEDERSICH H, OKAMOTO PR, LAM NQ
Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **83** Issue: **1** Pages: **98-108** Published: **1979**
Times Cited: **167**

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20. Title: STABILITY OF PRECIPITATES IN AN IRRADIATION ENVIRONMENT
Author(s): NELSON RS, MAZEY DJ, HUDSON JA

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **44** Issue: **3** Pages: **318-&** Published: **1972**
Times Cited: **167**

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21. Title: INTERSTITIAL MOBILITY AND INTERACTIONS

Author(s): YOUNG FW

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **69-7** Issue: **1-2** Pages: **310-330**

Published: **1978**

Times Cited: **164**

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22. Title: TRAPPING OF DEUTERIUM IMPLANTED IN CARBON AND SILICON - CALIBRATION FOR PARTICLE-ENERGY MEASUREMENTS IN THE PLASMA BOUNDARY OF TOKAMAKS

Author(s): STAUDENMAIER G, ROTH J, BEHRISCH R, et al.

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **84** Issue: **1-2** Pages: **149-156** Published: **1979**

Times Cited: **160**

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-480TK26-TD&_user=4845034&_coverDate=10%2F01%2F1979&_alid=1006822290&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=9&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=59134446311e0b5562b6c203b44a750e3

23. Title: KINETICS OF DIFFUSIONAL MOTION OF PORES IN SOLIDS - A REVIEW

Author(s): NICHOLS FA

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **30** Issue: **1-2** Pages: **143-&** Published: **1969**

Times Cited: **154**

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24. Title: A COMPARISON OF DISPLACEMENT CASCADES IN COPPER AND IRON BY MOLECULAR-DYNAMICS AND ITS APPLICATION TO MICROSTRUCTURAL EVOLUTION

Author(s): PHYTHIAN WJ, STOLLER RE, FOREMAN AJE, et al.

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **223** Issue: **3** Pages: **245-261** Published: **JUN 1995**

Times Cited: **153**

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25. Title: ATTAINMENT OF HIGH CONFINEMENT IN NEUTRAL BEAM HEATED DIVERTOR DISCHARGES IN THE PDX TOKAMAK

Author(s): KAYE SM, BELL MG, BOL K, et al.

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **121** Pages: **115-125** Published: **1984**

Times Cited: **153**

http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-47YRK6T-29B&user=4845034&coverDate=05%2F01%2F1984&alid=1006826838&rdoc=1&fmt=high&_orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=8&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=f616b59c6e7a78d538e76a9fba72880e

26. Title: MOLECULAR-DYNAMICS COMPUTER-SIMULATIONS OF DISPLACEMENT CASCADES IN METALS

Author(s): BACON DJ, DELARUBIA TD

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **216** Pages: **275-290** Published: **OCT 1994**

Times Cited: **151**

http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-47YRKNS-2HD&user=4845034&coverDate=10%2F31%2F1994&alid=1006825264&rdoc=2&fmt=high&orig=search&cdi=5595&docanchor=&view=c&ct=1070&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=0a9d44f122bc53e6f33149494fe0ceb9

27. Title: THE CORROSION OF URANINITE UNDER OXIDIZING CONDITIONS

Author(s): FINCH RJ, EWING RC

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **190** Pages: **133-156** Published: **AUG 1992**

Times Cited: **151**

http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-47YRRJ9-2V&user=4845034&coverDate=08%2F02%2F1992&alid=1006829531&rdoc=1&fmt=high&orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=159&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=186997c57a56eff9d74542121364f373

28. Title: NEUTRON-IRRADIATION OF SUPERCONDUCTING COMPOUNDS

Author(s): SWEEDLER AR, COX DE, MOEHLECKE S

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **72** Issue: **1-2** Pages: **50-69** Published: **1978**

Times Cited: **144**

http://www.sciencedirect.com/science?_ob=ArticleURL&udi=B6TXN-48176YJ-17P&user=4845034&coverDate=03%2F31%2F1978&alid=1006831431&rdoc=3&fmt=high&orig=search&cdi=5595&sort=r&docanchor=&view=c&ct=1370&acct=C000000593&version=1&urlVersion=0&userid=4845034&md5=7f3b446869b5266f2bb86ea04b7fc643

29. Title: TERMINAL SOLUBILITY AND PARTITIONING OF HYDROGEN IN ALPHA PHASE OF ZIRCONIUM ZIRCALOY-2 AND ZIRCALOY-4

Author(s): KEARNS JJ

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: **22** Issue: **3** Pages: **292-&** Published:

1967

Times Cited: 142

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TXN-482GS5Y-29&_user=4845034&_coverDate=06%2F30%2F1967&_alid=1006830908&_rdoc=1&_fmt=high&_orig=search&_cdi=5595&_sort=r&_docanchor=&_view=c&_ct=15&_acct=C000000593&_version=1&_urlVersion=0&_userid=4845034&_md5=6a80836d48ac9e45d80218bb44d75087

30. Title: VACANCY CONCENTRATIONS IN METALS

Author(s): SIEGEL RW

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: 69-7 Issue: 1-2 Pages: 117-146

Published: 1978

Times Cited: 141

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Author(s): POST DE

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: 220 Pages: 143-157 Published: APR 1995

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Author(s): ROTH J, BOHDANSKY J, WILSON KL

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: 111 Issue: NOV- Pages: 775-780

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Author(s): LINDEMER TB, BESMANN TM, JOHNSON CE

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Author(s): Sickafus KE, Matzke H, Hartmann T, et al.
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Author(s): Roth J
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Author(s): CALDER AF, BACON DJ
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Author(s): DELARUBIA TD, GUINAN MW
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Author(s): Coad JP, Bekris N, Elder JD, et al.
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Author(s): MOLLER W
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Author(s): JANESCHITZ G, BORRASS K, FEDERICI G, et al.
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Author(s): DOYLE BL, WAMPLER WR, BRICE DK, et al.
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Author(s): ROTH J
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Author(s): ROGNLIEN TD, MILOVICH JL, RENSINK ME, et al.
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Author(s): WINTER J

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Author(s): SCHULSON EM

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: 83 Issue: 2 Pages: 239-264 Published: 1979

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Author(s): EHRHART P

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Author(s): HOBBS LW, CLINARD FW, ZINKLE SJ, et al.

Source: **JOURNAL OF NUCLEAR MATERIALS** Volume: 216 Pages: 291-321 Published: OCT 1994

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Author(s): ENGELHARDT W, FENEBERG W

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Author(s): CAUSEY RA

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Author(s): EVANS JH

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