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Worst-Case Test Conditions of SEGR for Power DMOSFETs

Sandra Liu | Jeffrey L. Titus | Max Zafrani | Huy Cao | Douglas Carrier | Phillip Sherman

IEEE Transactions on Nuclear Science

Year: 2010 | Volume: 57 | Issue: 1

Worst-Case Test Conditions of SEGR for Power DMOSFETs

Sandra Liu; Jeffrey L. Titus; Max Zafrani; Huy Cao; Douglas Carrier; Phillip Sherman

IEEE Transactions on Nuclear Science

Year: 2010, Volume: 57, Issue: 1

Pages: 279 - 287

Cited by: Papers (13)

IEEE Journals & Magazines

Abstract (548 Kb)

Multiple nanowire gate field effect transistors

S. H. Zaidi | A. K. Sharma | R. Marquardt | S. L. Lucero | P. M. Varangis

Proceedings of the 2001 1st IEEE Conference on Nanotechnology. IEEE-NANO 2001 (Cat. No.01EX516)

Year: 2001

Multiple nanowire gate field effect transistors

S. H. Zaidi; A. K. Sharma; R. Marquardt; S. L. Lucero; P. M. Varangis

Proceedings of the 2001 1st IEEE Conference on Nanotechnology. IEEE-NANO 2001 (Cat. No.01EX516)

Year: 2001

Pages: 189 - 194

Cited by: Patents (2)

IEEE Conferences

Abstract (546 Kb)

Striped-channel InAlAs/InGaAs HEMTs with shallow-grating structures

Youngwoo Kwon | D. Pavlidis | K. Hein | T. Brock

IEEE Transactions on Electron Devices

Year: 1996 | Volume: 43 | Issue: 12

Striped-channel InAlAs/InGaAs HEMTs with shallow-grating structures

Youngwoo Kwon; D. Pavlidis; K. Hein; T. Brock

IEEE Transactions on Electron Devices

Year: 1996, Volume: 43, Issue: 12

Pages: 2046 - 2052

Cited by: Papers (1) | Patents (3)

IEEE Journals & Magazines

Abstract (971 Kb)

Terahertz resonant frequencies of grating-bicoupled plasma wave devices

Irina Khmyrova

2009 IEEE International Conference on Microwaves, Communications, Antennas and Electronics Systems

Year: 2009

☐ **Terahertz resonant frequencies of grating-bicoupled plasma wave devices**

Irina Khmyrova

2009 IEEE International Conference on Microwaves, Communications, Antennas and Electronics Systems

Year: 2009

Pages: 1 - 2

IEEE Conferences

Abstract

(82 Kb)

Asymmetric double grating gate detector fabricated on industrial pseudomorphic AlGaAs/InGaAs/AlGaAs heterostructure

A. Di Gaspare | R. Casini | N. Diakonova | C. Drexler | V. Giliberti | M. Ortolani | D. Coquillat | W. Knap | S. D. Ganichev

2012 37th International Conference on Infrared, Millimeter, and Terahertz Waves

Year: 2012

☐ **Asymmetric double grating gate detector fabricated on industrial pseudomorphic AlGaAs/InGaAs/AlGaAs heterostructure**

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2012 37th International Conference on Infrared, Millimeter, and Terahertz Waves

Year: 2012

Pages: 1 - 2

IEEE Conferences

Abstract

(190 Kb)

Electron wave interference device with vertical superlattices working in large current region

K. Tsubaki | Y. Tokura | T. Fukui | H. Saito | N. Susa

Electronics Letters

Year: 1989 | Volume: 25 | Issue: 11

☐ **Electron wave interference device with vertical superlattices working in large current region**

K. Tsubaki; Y. Tokura; T. Fukui; H. Saito; N. Susa

Electronics Letters

Year: 1989, Volume: 25, Issue: 11

Pages: 728 - 730

Cited by: Patents (3)

IET Journals & Magazines

Abstract

(337 Kb)

TiO₂ freestanding thin film as evanescent waveguide sensor for biomedical application

A. Purniawan | G. Pandraud | P. J. French | P. M. Sarro

2011 16th International Solid-State Sensors, Actuators and Microsystems Conference

Year: 2011

☐ **TiO₂ freestanding thin film as evanescent waveguide sensor for**

biomedical application

A. Purniawan; G. Pandraud; P. J. French; P. M. Sarro

2011 16th International Solid-State Sensors, Actuators and Microsystems Conference

Year: 2011

Pages: 2506 - 2509

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IEEE Conferences

Abstract

(642 Kb)

Plasma oscillations in field-effect transistor arrays

V. V. Popov | D. V. Fateev | M. S. Shur

2008 12th International Conference on Mathematical Methods in Electromagnetic Theory

Year: 2008

☐ **Plasma oscillations in field-effect transistor arrays**

V. V. Popov; D. V. Fateev; M. S. Shur

2008 12th International Conference on Mathematical Methods in Electromagnetic Theory

Year: 2008

Pages: 101 - 106

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IEEE Conferences

Abstract

(132 Kb)

AlGaIn/GaN/AlGaIn DH-HEMTs Breakdown Voltage Enhancement Using Multiple Grating Field Plates (MGFPs)

Eldad Bahat-Treidel | Oliver Hilt | Frank Brunner | Victor Sidorov | Joachim Würfl | Günther Tränkle

IEEE Transactions on Electron Devices

Year: 2010 | Volume: 57 | Issue: 6

☐ **AlGaIn/GaN/AlGaIn DH-HEMTs Breakdown Voltage Enhancement Using Multiple Grating Field Plates (MGFPs)**

Eldad Bahat-Treidel; Oliver Hilt; Frank Brunner; Victor Sidorov; Joachim Würfl; Günther Tränkle

IEEE Transactions on Electron Devices

Year: 2010, Volume: 57, Issue: 6

Pages: 1208 - 1216

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IEEE Journals & Magazines

Abstract

(1619 Kb)

Broadband characteristics of ultrahigh responsivity of asymmetric dual-grating-gate plasmonic terahertz detectorsFuzuki Kasuya | Tetsuya Kawasaki | Shinya Hatakeyama | Stephane Boubanga Tombet | Tetsuya Suemitsu | Taiichi Otsuji | Guillaume Ducournau | Dominique Coquillat | Wojciech Knap | Yuma Takida | Hiromasa Ito | Hiroaki Minamide | Denis V. Fateev | Vyacheslav V. Popov | Yahya M. Meziani | Akira Satou
2015 40th International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz)

Year: 2015

☐ **Broadband characteristics of ultrahigh responsivity of asymmetric dual-grating-gate plasmonic terahertz detectors**

Fuzuki Kasuya; Tetsuya Kawasaki; Shinya Hatakeyama; Stephane Boubanga Tombet; Tetsuya Suemitsu; Taiichi Otsuji; Guillaume Ducournau; Dominique Coquillat; Wojciech Knap; Yuma Takida; Hiromasa Ito; Hiroaki Minamide; Denis V. Fateev; Vyacheslav V. Popov; Yahya M. Meziani; Akira Satou

2015 40th International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz)
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Abstract (235 Kb)

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