Top 25 Hottest Articles
Infrared Physics & Technology
January to December 2011 full year

1. Recent progress in infrared detector technologies
   Rogalski, A.
   (Cited by SciVerse Scopus (5))

2. Infrared detectors: an overview
   Rogalski, A.
   (Cited by SciVerse Scopus (125))

3. Infrared image processing and data analysis
   Infrared Physics & Technology, Volume 46, Issue 1-2, December 2004, Pages 75-83
   Ibbarra-Castanedo, C.; Gonzalez, D.; Klein, M.; Pillai, M.; Valeriand, S.; Malude, X.
   (Cited by SciVerse Scopus (27))

4. Terahertz and infrared detectors based on graphene structures
   Ryzhil, V.; Ryzhil, M.; Ryabova, N.; Mitin, V.; Otsuji, T.
   (Cited by SciVerse Scopus (3))

5. Colloidal quantum dot photodetectors
   Konstantinatos, G.; Sargent, E.H.

6. Infrared image enhancement through contrast enhancement by using multiscale new top-hat transform
   (Cited by SciVerse Scopus (3))
7. FTIR spectroscopy as a tool for nano-material characterization
Infrared Physics & Technology, Volume 53, Issue 6, November 2010, Pages 434-438
Baudot, C.; Tan, C.M.; Kong, J.C.
Cited by Sciverse Scopus (5)

8. Infrared thermography on ocular surface temperature: A review
Tan, J.H.; Ng, E.Y.K.; Rajendra Acharya, U.; Chee, C.
Cited by Sciverse Scopus (16)

9. Energy gap-refractive index relations in semiconductors - An overview
Infrared Physics & Technology, Volume 50, Issue 1, March 2007, Pages 21-29
Ravindra, N.M.; Ganapathy, P.; Choi, J.
Cited by Sciverse Scopus (19)

10. InAs/GaSb superlattice based long-wavelength infrared detectors: Growth, processing, and characterization
Cited by Sciverse Scopus (1)

11. Design considerations for rectangular microstrip patch antenna on electromagnetic crystal substrate at terahertz frequency
Infrared Physics & Technology, Volume 53, Issue 1, January 2010, Pages 17-22
Singh, G.
Cited by Sciverse Scopus (8)

12. Comparison of dipole, bowtie, spiral and log-periodic IR antennas
Gonzalez, F.J.; Boreman, G.D.
Cited by Sciverse Scopus (37)

13. Detection of pedestrians in far-infrared automotive night vision using region-growing and clothing distortion compensation
Infrared Physics & Technology, Volume 54, Issue 6, November 2010, Pages 439-449
OMalley, R.; Jones, E.; Glenn, M.
Cited by Sciverse Scopus (1)

14. Automatic detection of defects on polyethylene pipe welding using thermal infrared imaging
Infrared Physics & Technology, Volume 54, Issue 4, July 2011, Pages 317-325
Kafieh, R.; Lotfi, T.; Amirfattahi, R.
Cited by Sciverse Scopus (2)

15. Durable 3-5 mm transmitting infrared window materials
Harris, D.C.
Cited by Sciverse Scopus (68)

16. A novel approach to fast noise reduction of infrared image
Infrared Physics & Technology, Volume 54, Issue 1, January 2011, Pages 1-9
Lin, C.L.; Kuo, C.W.; Li, C.C.; Tsa, M.C.; Chang, C.C.; Chu, H.Y.
Cited by Sciverse Scopus (28)

17. Applications of pulse heating thermography and lock-in thermography to quantitative nondestructive evaluations
Sakagami, T.; Kubo, S.
Cited by Sciverse Scopus (28)

18. Infrared small target detection based on the self-information map
Infrared Physics & Technology, Volume 54, Issue 2, March 2011, Pages 100-107
Deng, H.; Liu, J.
Cited by Sciverse Scopus (7)

19. Detectability of infrared small targets
Huang, K.; Mao, X.
Cited by Sciverse Scopus (7)

20. Frequency and temperature dependence of the refractive index of sapphire
Cited by Sciverse Scopus (23)

21. An approach to adaptive infrared image enhancement for long-range surveillance
Infrared Physics & Technology, Volume 54, Issue 2, March 2011, Pages 84-91
Lin, C.L.
Cited by Sciverse Scopus (1)

22. InAs/GaSb superlattice technology
Cited by Sciverse Scopus (1)

23. High-temperature infrared properties of sapphire, AON, fused silica, yttria, and spinel
Sowa, R.M.; Linesky, M.J.; Thomas, M.E.; Mark, F.F.
Cited by Sciverse Scopus (21)

24. Antimide superlattice complementary barrier infrared detector (CBIRD)
Cited by Sciverse Scopus (2)

25. Square pulse thermography in frequency domain as adaptation of pulsed phase thermography for qualitative and quantitative applications in civil engineering
Infrared Physics & Technology, Volume 53, Issue 4, July 2010, Pages 246-253
Amdt, R.W.