

Magnolia Optical & Related Publications		
No.	Year / Journal	Publication Reference
2004.1	2004 IEEE	Ashok Sood, Sriraj Bhadra, Paul Smith, Yash R. Puri, J. Jiang Liu, Wayne Chang, George J. Simonis, Jason Ueda, Mitch Cross, and Rakesh Patel. "120 Gb/s high-bandwidth optical module and network." In <i>The 17th Annual Meeting of the IEEE Lasers and Electro-Optics Society, 2004. LEOS 2004</i> , vol. 1, pp. 228-229. IEEE, 2004. DOI: 10.1109/LEOS.2004.1363194
2004.2	2004 Unspec.	Ashok Sood, Sriraj Bhadra, Paul Smith, Yash R. Puri, Jason Ueda, Mitch Cross, J. Jiang Liu, Wayne Chang, and George Simonis. "Design and development of high speed fiber-optic transmit and receive network for ground vehicle applications." 2004.
2004.3	2004 SPIE	Ashok K. Sood, E. James Egerton, Yash R. Puri, Frederick W. Clarke, James C. M. Hwang, Amir Dabiran, Peter Chow, Tom Anderson, Avi Gupta, Andy Souzis, and Ilya Zwieback. "Development of high-performance AlGaIn/GaN high-electron mobility transistors for RF applications." In <i>Free-Space Laser Communications IV</i> , vol. 5550, pp. 130-145. International Society for Optics and Photonics, 2004. DOI: 10.1117/12.561584
2004.4	2004 SPIE	Ashok K. Sood, Sriraj K. Bhadra, Paul R. Smith, Yash R. Puri, Mitchell Cross, Jason Ueda, Rakesh Patel, Jiang Liu, Wayne H. Chang, George J. Simonis, David V. Plant, Andrew G. Kirk, and Joshua D. Schwartz. "Design and development of high-speed fiber-optic transmit and receive network for commercial and military applications." In <i>Photonic Devices and Algorithms for Computing VI</i> , vol. 5556, pp. 214-221. International Society for Optics and Photonics, 2004. DOI: 10.1117/12.560671
2004.5	2004 SPIE	Ashok K. Sood, E. James Egerton, Sriraj K. Bhadra, Yash R. Puri, Gregory Brill, Priyalal S. Wijewarnasuriya, Yuanping Chan, Nibir K. Dhar, Meimei Z. Tidrow, Dave Christian, and Paul LoVecchio. "Design and development of high-performance radiation-hardened antireflection coatings for LWIR HgCdTe focal plane arrays." In <i>Infrared Detector Materials and Devices</i> , vol. 5564, pp. 15-27. International Society for Optics and Photonics, 2004. DOI: 10.1117/12.565138
2004.6	2004 SPIE	Ashok K. Sood, E. James Egerton, Yash R. Puri, Enrico Bellotti, Latika SR Becker, Raymond S. Balcerak, and Siva Sivananthan. "Design and development of multicolor detector arrays." In <i>Infrared Detector Materials and Devices</i> , vol. 5564, pp. 27-34. International Society for Optics and Photonics, 2004. DOI: 10.1117/12.565140
2005.1	2005 MRS OPL	Ashok K. Sood, Rajwinder Singh, Yash R. Puri, Frederick W. Clarke, Amir Dabiran, Peter Chow, Jie Deng, and James C. M. Hwang. "Design and development of MBE grown AlGaIn/GaN HEMT devices on SiC substrates for RF applications." <i>MRS Online Proceedings Library Archive</i> 892 (2005). DOI: 10.1557/PROC-0892-FF13-12
2005.2	2005 SPIE	Ashok K. Sood, Yash R. Puri, Robert Richwine, Latika Becker, Nibir Dhar, Siva Sivanathan, and Jerrold Zimmerman. "Advances in multi-color large area focal plane array sensors for standoff detection." In <i>Infrared and Photoelectronic Imagers and Detector Devices</i> , vol. 5881, p. 58810N. International Society for Optics and Photonics, 2005. DOI: 10.1117/12.639822
2005.3	2005 JEM	Ashok K. Sood, James E. Egerton, Yash R. Puri, Enrico Bellotti, Donald D'Orsogna, Latika Becker, Raymond Balcerak, Ken Freyvogel, and Robert Richwine. "Design and development of multicolor MWIR/LWIR and LWIR/VLWIR detector arrays." <i>Journal of Electronic Materials</i> 34, no. 6 (2005): 909-912. DOI: 10.1007/s11664-005-0041-5
2005.4	2005 JEM	James E. Egerton, Ashok K. Sood, Rajwinder Singh, Yash R. Puri, Robert F. Davis, Jon Pierce, David C. Look, and Todd Steiner. "P-type doping utilizing nitrogen and Mn doping of ZnO using MOCVD for ultraviolet lasers and spintronic applications." <i>Journal of Electronic Materials</i> 34, no. 6 (2005): 949-952. DOI: 10.1007/s11664-005-0048-y

2006.1	2006 SPIE	Ashok K. Sood, Rajwinder Singh, Yash R. Puri, Frederick W. Clarke, Oleg Laboutin, Paul M. Deluca, Roger E. Wesler, Jie Deng, and James C. M. Hwang. "Growth and characterization of AlGaIn/GaN epitaxial layers by MOCVD on SiC substrates for RF device applications." In <i>Gallium Nitride Materials and Devices</i> , vol. 6121, p. 61210D. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.651122
2006.2	2006 SPIE	Robert A. Bell, Ashok K. Sood, and Yash R. Puri. "Design and demonstration of ultra high speed fiber-optic links for EO/IR sensors for tethered robotic applications." In <i>Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense V</i> , vol. 6201, p. 62011Z. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.673309
2006.3	2006 SPIE	Ashok K. Sood, Yash R. Puri, Latika Becker, Meimei Z. Tidrow, Raymond S. Balcerak, Gregory Brill, Priyalal Wijewarnasuriya, Nibir Dhar, Paul Boieriu, Chad Fulk, Siva Sivananthan, Joseph Yehoda, and Steve Finke. "Development of high performance radiation hardened antireflection coatings for LWIR and multicolor IR focal plane arrays." In <i>Infrared Technology and Applications XXXII</i> , vol. 6206, p. 620615. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.667812
2006.4	2006 SPIE	Ashok Sood, James Egerton, Yash Puri, Latika Becker, Timothy Cook, and Fouad Kiamilev. "Design considerations of ROIC for single color LWIR and multicolor IR focal plane arrays." In <i>Infrared and Photoelectronic Imagers and Detector Devices II</i> , vol. 6294, p. 62940A. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.684641
2006.5	2006 SPIE	Robert Richwine, Raymond Balcerak, Ken Freyvogel, and Ashok Sood. "A HgCdTe detector/FPA/sensor model for evaluation of VLWIR to SWIR sensors with an assessment of SWIR sensors for strategic and tactical missions." In <i>Infrared and Photoelectronic Imagers and Detector Devices II</i> , vol. 6294, p. 62940E. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.682835
2006.6	2006 SPIE	Robert Richwine, Raymond Balcerak, Chuck Rapach, Ken Freyvogel, and Ashok Sood. "A comprehensive model for bolometer element and uncooled array design and imaging sensor performance prediction." In <i>Infrared and Photoelectronic Imagers and Detector Devices II</i> , vol. 6294, p. 62940F. International Society for Optics and Photonics, 2006. DOI: 10.1117/12.682836
2006.7	2006 SPIE	Robert Richwine, Ashok Sood, Yash Puri, Harry Heckathorn, Larry Wilson, and Jules Goldspiel. "A full-spectrum 3D noise-based infrared imaging sensor model." In <i>Infrared Spaceborne Remote Sensing XIV</i> , vol. 6297, p. 62970A. International Society for Optics and Photonics, 2006. DOI: doi.org/10.1117/12.682837
2006.8	2006 SPIE	E. James Egerton, Ashok K. Sood, Robert A. Bell, Yash R. Puri, Jacob Roginsky, Melville P. Ulmer, Bruce W. Wessels, and Timothy Cook. "Design and development of high quantum efficiency large area UV focal plane arrays for photon counting applications." In <i>Active and Passive Optical Components for Communications VI</i> , vol. 6389, p. 63890R. International Society for Optics and Photonics, 2006. DOI: doi.org/10.1117/12.692774
2007.1	2007 SPIE	Ashok K. Sood, Yash R. Puri, Frederick W. Clarke, Jie Deng, James CM Hwang, Steven K. Brierley, M. Asif Khan, Amir Dabiran, Peter Chow, Oleg A. Laboutin, and Roger E. Welser. "Epitaxial growth and characterization of AlGaIn/GaN HEMT devices on SiC substrates for RF applications." In <i>Gallium Nitride Materials and Devices II</i> , vol. 6473, p. 647318. International Society for Optics and Photonics, 2007. DOI: 10.1117/12.704201
2007.2	2007 SPIE	Robert Richwine, Ashok K. Sood, Raymond S. Balcerak, and Ken Freyvogel. "EO/IR sensor model for evaluating multispectral imaging system performance." In <i>Infrared Imaging Systems: Design, Analysis, Modeling, and Testing XVIII</i> , vol. 6543, p. 65430W. International Society for Optics and Photonics, 2007. DOI: 10.1117/12.721222

2007.3	2007 SPIE	Ashok K. Sood, Yash R. Puri, Puxian Gao, Wenjie Mai, Changsi Lao, Zhong L. Wang, Dennis L. Polla, and Martin B. Soprano. "Growth and characterization of ZnO nanowires for various sensor applications." In <i>Micro (MEMS) and Nanotechnologies for Defense and Security</i> , vol. 6556, p. 65561L. International Society for Optics and Photonics, 2007. DOI: 10.1117/12.720301
2007.4	2007 SPIE	Ashok K. Sood, Yash R. Puri, Changshi Lao, Wenjie Mai, Puxian Gao, Sheng Xu, Zhong Lin Wang, Dennis L. Polla, Martin B. Soprano, and Nibir K. Dhar. "A review of growth and characterization of ZnO nanostructures for various optical applications." In <i>Nanomaterials Synthesis, Interfacing, and Integrating in Devices, Circuits, and Systems II</i> , vol. 6768, p. 676803. International Society for Optics and Photonics, 2007. DOI: 10.1117/12.747289
2007.5	2007 JACS	Chang Shi Lao, Myung-Chul Park, Qin Kuang, Yulin Deng, Ashok K. Sood, Dennis L. Polla, and Zhong L. Wang. "Giant enhancement in UV response of ZnO nanobelts by polymer surface-functionalization." <i>Journal of the American Chemical Society</i> 129, no. 40 (2007): 12096-12097. DOI: 10.1021/ja075249w
2008.1	2008 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Oluwamuyiwa O. Olubuyide, Nicole DiLello, Judy L. Hoyt, Tayo I. Akinwande, Raymond S. Balcerak, Stuart Horn, Thomas G. Bramhall, and Daniel J. Radack. "Design considerations for SiGe-based near infrared imaging sensor." In <i>Infrared Technology and Applications XXXIV</i> , vol. 6940, p. 69400M. International Society for Optics and Photonics, 2008. DOI: 10.1117/12.780768
2008.2	2008 SPIE	Ashok K. Sood, Yash R. Puri, Wenjie Mai, Puxian Gao, Changshi Lao, Zhong L. Wang, Dennis L. Polla, and Martin B. Soprano. "ZnO nanostructures for optoelectronic applications." In <i>Micro (MEMS) and Nanotechnologies for Space, Defense, and Security II</i> , vol. 6959, p. 69591A. International Society for Optics and Photonics, 2008. DOI: 10.1117/12.784458
2008.3	2008 SPIE Newsroom	Ashok Sood, and Roger Welser. "Nanostructured solar cells employ wide-band-gap materials." <i>SPIE Newsroom</i> , 28 July 2008.
2008.4	2008 SPIE	Robert A. Richwine, Yash R. Puri, Ashok K. Sood, Raymond S. Balcerak, Stuart Horn, Glenn Baker, and Michael Wilson. "Microbolometer sensor model for performance predictions and real-time image generation of infrared scenes and targets." In <i>Infrared Systems and Photoelectronic Technology III</i> , vol. 7055, p. 70550T. International Society for Optics and Photonics, 2008. DOI: 10.1117/12.801337
2008.5	2008 J. Phys. Chem. C	Yaguang Wei, Yong Ding, Cheng Li, Sheng Xu, Jae-Hyun Ryo, Russell Dupuis, Ashok K. Sood, Dennis L. Polla, and Zhong L. Wang. "Growth of vertically aligned ZnO nanobelt arrays on GaN substrate." <i>The Journal of Physical Chemistry C</i> 112, no. 48 (2008): 18935-18937. DOI: 10.1021/jp807616y
2008.6	2008 Chem. Phys. Lett.	Wenjie Mai, Puxian Gao, Changshi Lao, Zhong L. Wang, Ashok K. Sood, Dennis L. Polla, and Martin B. Soprano. "Vertically aligned ZnO nanowire arrays on GaN and SiC substrates." <i>Chemical Physics Letters</i> 460, no. 1-3 (2008): 253-256. DOI: 10.1016/j.cplett.2008.06.017
2009.1	2009 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Nicole DiLello, Judy L. Hoyt, Tayo I. Akinwande, Stuart Horn, Ray Balcerak, Gary Bulman, Rama Venkatasubramanian, Arvind D'Souza, and Thomas Bramhall. "Development of low dark current SiGe-detector arrays for visible-NIR imaging sensor." In <i>Infrared Technology and Applications XXXV</i> , vol. 7298, p. 72983D. International Society for Optics and Photonics, 2009. DOI: 10.1117/12.820896
2009.2	2009 SPIE	Ashok K. Sood, Robert Richwine, Yash R. Puri, Nibir K. Dhar, Dennis L. Polla, and Priyalal S. Wijewarnasuriya. "Multispectral EO/IR sensor model for evaluating UV, visible, SWIR, MWIR and LWIR system performance." In <i>Infrared Imaging Systems:</i>

		<i>Design, Analysis, Modeling, and Testing XX</i> , vol. 7300, p. 73000H. International Society for Optics and Photonics, 2009. DOI: 0.1117/12.820899
2009.3	2009 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Dennis L. Polla, Nibir K. Dhar, Zhong L. Wang, J. M. Xu, Priyalal S. Wijewarnasuriya, Neil Goldsman, Martin B. Soprano, and Bobby Lineberry. "EO/IR sensors development using zinc oxide and carbon nanostructures." In <i>Micro-and Nanotechnology Sensors, Systems, and Applications</i> , vol. 7318, p. 731804. International Society for Optics and Photonics, 2009. DOI: 10.1117/12.820502
2009.4	2009 SPIE	Ashok K. Sood, Roger E. Welser, Yash R. Puri, Martin F. Schubert, David J. Poxson, Jong Kyu Kim, E. Fred Schubert, Dennis L. Polla, and Martin B. Soprano. "Design and development of nanostructure based antireflection coatings for EO/IR sensor applications." In <i>Infrared Systems and Photoelectronic Technology IV</i> , vol. 7419, p. 74190U. International Society for Optics and Photonics, 2009. DOI: 10.1117/12.829899
2009.5	2009 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Stuart Horn, and Raymond S. Balcerak. "Design considerations using APD detectors for high resolution UV imaging applications." In <i>Infrared Systems and Photoelectronic Technology IV</i> , vol. 7419, p. 74190V. International Society for Optics and Photonics, 2009. DOI: 10.1117/12.829900
2009.6	2009 JACS	Sheng Xu, Yong Ding, Yaguang Wei, Hao Fang, Yue Shen, Ashok K. Sood, Dennis L. Polla, and Zhong Lin Wang. "Patterned growth of horizontal ZnO nanowire arrays." <i>Journal of the American Chemical Society</i> 131, no. 19 (2009): 6670-6671. DOI: 10.1021/ja902119h
2009.7	2009 APL	Jun Zhou, Yudong Gu, Youfan Hu, Wenjie Mai, Ping-Hung Yeh, Gang Bao, Ashok K. Sood, Dennis L. Polla, and Zhong L. Wang. "Gigantic enhancement in response and reset time of ZnO UV nanosensor by utilizing Schottky contact and surface functionalization." <i>Applied Physics Letters</i> 94, no. 19 (2009): 191103. DOI: 10.1063/1.3133358
2010.1	2010 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Nicole DiLello, Judy L. Hoyt, Tayo I. Akinwande, Nibir Dhar, Stuart Horn, Raymond S. Balcerak, and Thomas G. Bramhall. "Development of low dark current SiGe-detector arrays for visible-NIR imaging sensor." In <i>Infrared Technology and Applications XXXVI</i> , vol. 7660, p. 76600L. International Society for Optics and Photonics, 2010. DOI: 10.1117/12.852682
2010.2	2010 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Akin Akturk, Neil Goldsman, Siddharth Potbhare, Gustavo Fernandes, Chih-Hsun Hsu, Jin Ho Kim, Jimmy Xu, Nibir K. Dhar, Priyalal S. Wijewarnasuriya, and Bobby I. Lineberry. "Design and development of carbon nanostructure-based microbolometers for IR imagers and sensors." In <i>Micro-and Nanotechnology Sensors, Systems, and Applications II</i> , vol. 7679, p. 76791Q. International Society for Optics and Photonics. DOI: 10.1117/12.852730
2010.3	2010 SPIE	Ashok K. Sood, Roger E. Welser, Yash R. Puri, David J. Poxson, Martin F. Schubert, Jaehae Cho, E. Fred Schubert, Dennis L. Polla, and Martin B. Soprano. "Nanostructure-based antireflection coatings for EO/IR sensor applications." In <i>Micro-and Nanotechnology Sensors, Systems, and Applications II</i> , vol. 7679, p. 76792G. International Society for Optics and Photonics, 2010. DOI: 10.1117/12.852706
2010.4	2010 SPIE	Roger E. Welser, Ashok K. Sood, Yash R. Puri, Oleg A. Laboutin, Nibir K. Dhar, and Priyalal S. Wijewarnasuriya. "GaAs-based quantum well solar cells for defense applications." In <i>Energy Harvesting and Storage: Materials, Devices, and Applications</i> , vol. 7683, p. 76830Q. International Society for Optics and Photonics, 2010. DOI: 10.1117/12.852802
2010.5	2010 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Tariq Manzur, Nibir K. Dhar, Dennis L. Polla, Priyalal S. Wijewarnasuriya, Yaguang Wei, Jun Zhou, Cheng Li, Zhong L. Wang, Gustavo Fernandes, and J. M. Jimmy Xu. "Next generation nanostructure-based EO/IR focal plane arrays for unattended ground sensor applications." In <i>Unattended</i>

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2010.6	2010 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Russell D. Dupuis, Jae-Hyun Ryou, Nibir K. Dhar, and Raymond S. Balcerak. "Development of GaN/AlGaIn APDs for UV imaging applications." In <i>Detectors and Imaging Devices: Infrared, Focal Plane, Single Photon</i> , vol. 7780, p. 77800E. International Society for Optics and Photonics, 2010. DOI: 10.1117/12.866361
2010.7	2010 SPIE	Ashok K. Sood, Robert A. Richwine, Yash R. Puri, Nicole DiLello, Judy L. Hoyt, Nibir Dhar, Raymond S. Balcerak, and Thomas G. Bramhall. "Development of SiGe arrays for visible-near IR applications." In <i>Detectors and Imaging Devices: Infrared, Focal Plane, Single Photon</i> , vol. 7780, p. 77800F. International Society for Optics and Photonics, 2010. DOI: 10.1117/12.866362
2010.8	2010 JNN	Ashok K. Sood, Yash R. Puri, Zhong L. Wang, Dennis L. Polla, and Martin B. Soprano. "Growth of highly oriented ZnO nanowires on GaN substrates for electronic and optical sensor applications." <i>Journal of Nanoscience and Nanotechnology</i> 10, no. 3 (2010): 1839-1841. DOI: 10.1166/jnn.2010.2110
2010.9	2010 JAP	Ming Ma, Frank W. Mont, David J. Poxson, Jaehee Cho, E. Fred Schubert, Roger E. Welser, and Ashok K. Sood. "Enhancement of photovoltaic cell response due to high-refractive-index encapsulants." <i>Journal of Applied Physics</i> 108, no. 4 (2010): 043102. DOI: 10.1063/1.3466980
2011.1	2011 SPIE	Ashok K. Sood, E. James Egerton, Yash R. Puri, John Zeller, Tariq Manzur, Dennis L. Polla, Nibir K. Dhar, and Raymond S. Balcerak, "Growth and characterization of ZnO nanostructures for UV sensor applications." In <i>Oxide-based Materials and Devices II</i> , vol. 7940, p. 79400Z. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.882583
2011.2	2011 SPIE	Ashok K. Sood, Roger E. Welser, Adam W. Sood, E. James Egerton, Yash R. Puri, David Poxson, Sammer Chhajed, Jaehee Cho, E. Fred Schubert, Dennis L. Polla, Nibir K. Dhar, Raymond S. Balcerak, and Martin B. Soprano, "Nanostructure based antireflection coatings for EO/IR sensor applications." In <i>Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XV</i> , vol. 7954, p. 79540W. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.882535
2011.3	2011 SPIE	Ashok K. Sood, Robert A. Richwine, Adam W. Sood, Yash R. Puri, Nicole DiLello, Judy L. Hoyt, Tayo I. Akinwande, Nibir Dhar, Raymond S. Balcerak, and Thomas G. Bramhall. "Characterization of SiGe-detector arrays for visible-NIR imaging sensor applications." In <i>Infrared Technology and Applications XXXVII</i> , vol. 8012, p. 801240. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.889205
2011.4	2011 SPIE	Ashok K. Sood, Roger E. Welser, Adam W. Sood, Yash R. Puri, Tariq Manzur, Nibir K. Dhar, Dennis L. Polla, Zhong L. Wang, Priyalal S. Wijewarnasuriya, and A. F. M. Anwar. "Nanostructure based EO/IR sensor development for homeland security applications." In <i>Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense X</i> , vol. 8019, p. 801914. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.888086
2011.5	2011 SPIE	Roger E. Welser, Adam W. Sood, Ashok K. Sood, David J. Poxson, Sameer Chhajed, Jaehee Cho, E. Fred Schubert, Dennis L. Polla, and Nibir K. Dhar. "Ultra-high transmittance through nanostructure-coated glass for solar cell applications." In <i>Energy Harvesting and Storage: Materials, Devices, and Applications II</i> , vol. 8035, p. 80350X. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.888129
2011.6	2011 SPIE	Roger E. Welser, Ashok K. Sood, Oleg A. Laboutin, Louis J. Guido, Nibir K. Dhar, and Priyalal S. Wijewarnasuriya. "Quantum well and quantum dot energy harvesting devices." In <i>Energy Harvesting and Storage: Materials, Devices, and Applications II</i> ,

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2011.7	2011 SPIE	Ashok K. Sood, E. James Egerton, Robert A. Richwine, Yash R. Puri, Tariq Manzur, Nibir K. Dhar, Dennis L. Polla, Zhong L. Wang, Gustavo E. Fernandes, Jimmy Xu, Priyalal S. Wijewarnasuriya, and A. F. M. Anwar, "Nanostructure-based EO/IR focal plane array development for unattended ground sensor applications." In <i>Unattended Ground, Sea, and Air Sensor Technologies and Applications XIII</i> , vol. 8046, p. 80460N. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.888125
2011.8	2011 SPIE	Ashok K. Sood, Robert A. Richwine, E. James Egerton, Yash R. Puri, Russell D. Dupuis, Nibir K. Dhar, and Raymond S. Balcerak. "Avalanche photodiodes for high-resolution UV imaging applications." In <i>Infrared Sensors, Devices, and Applications; and Single Photon Imaging II</i> , vol. 8155, p. 815509. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.895288
2011.9	2011 SPIE	Ashok K. Sood, E. James Egerton, Yash R. Puri, Gustavo Fernandes, Jin Ho Kim, Jimmy Xu, Neil Goldsman, Nibir K. Dhar, Priyalal S. Wijewarnasuriya, and Bobby I. Lineberry. "Carbon nanotube based microbolometer development for IR imager and sensor applications." In <i>Infrared Sensors, Devices, and Applications; and Single Photon Imaging II</i> , vol. 8155, p. 815513. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.895277
2011.10	2011 SPIE	Ashok K. Sood, John W. Zeller, Yash R. Puri, Nibir K. Dhar, Dennis L. Polla, Tariq Manzur, Zhong L. Wang, and A. F. Mehdi Anwar. "A review of growth and characterization of ZnO nanostructures for optoelectronic sensor and energy harvesting applications." In <i>Infrared Sensors, Devices, and Applications; and Single Photon Imaging II</i> , vol. 8155, p. 815514. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.895287
2011.11	2011 IEEE	HungChi Chou, Mehdi Anwar, Tariq Manzur, John Zeller, and Ashok K. Sood. "Absorption in biased $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ quantum wells." In <i>2011 International Semiconductor Device Research Symposium (ISDRS)</i> , pp. 1-2. IEEE, 2011. DOI: 10.1109/ISDRS.2011.6135311
2011.12	2011 IEEE	Abdiel Rivera, Mehdi Anwar, Mathiey R. Monville, Shihsheng Chang, John Zeller, Ashok K. Sood, and Tariq Manzur. "Growth and characterization of nanowires and nanorods on Al_2O_3 (110), Si (111) and SiO $2/p$ -Si (100) by MOCVD." In <i>2011 International Semiconductor Device Research Symposium (ISDRS)</i> , pp. 1-2. IEEE, 2011. DOI: 10.1109/ISDRS.2011.6135147
2011.13	2011 SPIE	Ashok K. Sood, John W. Zeller, Yash R. Puri, Tariq Manzur, Nibir K. Dhar, Abdiel Rivera, A. F. M. Anwar, Gustavo Fernandes, and J. M. Xu. "EO/IR sensor development using nanostructures for unattended ground sensor applications." In <i>Unmanned/Unattended Sensors and Sensor Networks VIII</i> , vol. 8184, p. 818408. International Society for Optics and Photonics, 2011. DOI: 10.1117/12.903722
2011.14	2011 Intech	Ashok K. Sood, Zhong Lin Wang, Dennis L. Polla, Nibir K. Dhar, Tariq Manzur, and A. F. M. Anwar. "ZnO nanostructures for optoelectronic applications." In <i>Optoelectronic Devices and Properties</i> . IntechOpen, 2011. DOI: 10.5772/16202
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