

COMPLETED LIST OF PUBLICATIONS

Shiang-Yu Wang

Refereed papers

1. Sufen Chen, L. M. Wang, W. B. Jian, S. Y. Wang, H. C. Yang, and H. E. Horng, "Surface Modification of $\text{YBa}_2\text{Cu}_3\text{O}_y$ Thin Films with a Scanning Tunneling Microscope," *J. Appl. Phys.*, 76, 2535, 1994.
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3. S. Y. Wang and C. P. Lee, "Normal Incident Long-wavelength Quantum Well Infrared Photodetectors Using Electron Intersubband Transition," *Appl. Phys. Lett.* 71, 119, 1997.
4. S. Y. Wang and C. P. Lee, "Doping Effect on Normal Incident InGaAs/GaAs Long-wavelength Quantum Well Infrared Photodetectors," *J. Appl. Phys.* 82, 2680, 1997.
5. J. C. Fan, C. P. Lee, C. M. Tsai, S. Y. Wang and J. S. Tseng, "Optical and Structural Properties of Epitaxially Lifted-off GaAs Films," *J. Appl. Phys.*, 83, 466, 1998.
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10. Y. W. Suen, C. C. Young, C. J. Chang, J. C. Wu, S. Y. Wang, C. P. Lee, "A Light Induced Tunneling State in a Submicron Double Barrier Tunneling Diode with a Center δ -doped Well," *Physica E*, 6, 331, 2000.
11. K. W. Sun, T. S. Song, S. Y. Wang, C. P. Lee, "Nonthermal Carrier Dynamics in $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ Quantum Wells," *Microelectronic Engineering*, 51-52, 189, 2000.
12. K. W. Sun, C.-K. Sun, J. C. Wang, S. Y. Wang and C. P. Lee, "Carrier-Carrier Scattering: An Experimental Comparison of 5 nm and 3 nm $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ Quantum Wells," *Solid State Comm.* 115, 329, 2000.
13. K. W. Sun, H. Y. Chang, C. M. Wang, T. S. Song, S. Y. Wang and C. P. Lee., "Raman and Hot Electron-Neutral Acceptor Luminescence Studies of Electron-Optical Phonon Interactions in $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ Quantum Wells," *Solid State Comm.* 115, 563, 2000.
14. M. C. Hsu, C. H. Kuan, S. Y. Wang, "Multicolor Infrared Detection Using Two Stacks of Superlattice Structures in a Back-to-back Configuration," *Appl. Phys. Lett.*, 77, 2240, 2000.
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59. Hajime Sugai, Naoyuki Tamura, Hiroshi Karoji, Atsushi Shimono, Naruhisa Takato, Masahiko Kimura, Youichi Ohyama, Akitoshi Ueda, Hrand Aghazarian, Marcio Vital de Arruda, Robert H. Barkhouser, Charles L. Bennett, Steve Bickerton, Alexandre Bozier, David F. Braun, Khanh Bui, Christopher M. Capocasale, Michael A. Carr, Bruno Castilho, Yin-Chang Chang, Hsin-Yo Chen, Richard C. Y. Chou, Olivia R. Dawson, Richard G. Dekany, Eric M. Ek, Richard S. Ellis, Robin J. English, Didier Ferrand, Décio Ferreira, Charles D. Fisher, Mirek Golebiowski, James E. Gunn, Murdock Hart, Timothy M. Heckman, Paul T. P. Ho, Stephen Hope, Larry E. Hovland, Shu-Fu Hsu, Yen-Shan Hu, Pin Jie Huang, Marc Jaquet, Jennifer E. Karr, Jason G. Kempenaar, Matthew E. King, Olivier Le Fèvre, David Le Mignant, Hung-Hsu Ling, Craig Loomis, Robert H. Lupton, Fabrice Madec, Peter Mao, Lucas Souza Marrara, Brice Ménard, Chaz Morantz, Hitoshi Murayama, Graham J. Murray, Antonio Cesar de Oliveira, Claudia Mendes de Oliveira, Ligia Souza de Oliveira, Joe D. Orndorff, Rodrigo de Paiva Vilaça, Eamon J. Partos, Sandrine Pascal, Thomas Pegot-Ogier, Daniel J. Reiley, Reed Riddle, Leandro Santos, Jesulino Bispo dos Santos, Mark A. Schwochert, Michael D. Seiffert, Stephen A. Smee, Roger M. Smith, Ronald E. Steinkraus, Laerte Sodr e, Jr., David N. Spergel, Christian Surace, Laurence Tresse, Cl ement Vidal, Sebastien Vives, Shiang-Yu Wang, Chih-Yi Wen, Amy C. Wu, Rosie Wyse, Chi-Hung Yan, “Prime Focus Spectrograph for the Subaru telescope: massively multiplexed optical and near-infrared fiber spectrograph,” *J. Astron. Telesc. Instrum. Syst.*, 1, 035001, 2015.
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CONFERENCE ORAL PRESENTATIONS

1. International Conference on Intersubband Transitions in Quantum Wells: Physics and Applications, Tainan, Taiwan, December, 1997.
2. 1999 Device Research Conference, Santa Barbara, CA, U.S.A. June, 1999.
3. QWIP2000 Workshop, Dana Point, CA, U.S.A., July, 2000.
4. CFHT Users Meeting, Lyon, France, July, 2001.
5. QWIP2002 Workshop, Torino, Italy, October, 2002.
6. Workshop on Submillimeter Astronomy and Receiver Technologies, NanKing, China, November, 2005.
7. QWIP2006 Workshop, Kandy, Sri Lanka, 2006.
8. East Asia Astronomers Meeting, Fukuoka, Japan, 2007.
9. Subaru Users Meeting, Tokyo, Japan, 2008.
10. Subaru Users Meeting, Tokyo, Japan, 2009.
11. QSIP 2009 International Conference, Yosemite, USA, 2009.
12. Subaru Users Meeting, Tokyo, Japan, 2010.
13. QSIP 2010 International Conference, Istanbul, Turkey, 2010.
14. The 7th joint Meeting of Chinese Physicists Worldwide, Tainan, Taiwan, 2011.
15. EACOA Medium Size Telescope Science Workshop, KunMing, China, 2013. (Invited)
16. East Asia Astronomers Meeting, Chung-Li, Taiwan, 2013.
17. Kavli Conference for Citizen Science, Oxford, UK, 2015.
18. The 34th Meeting of the Astronomical Society of India, Srinagar, 2016. (Invited)
19. 10th East Asia Astronomers Meeting, Seoul, Korea, 2016. (Invited)
20. 2016 KIAA-PKU Astrophysics Forum, Beijing, 2016. (Invited)
21. Subaru international partnership science and instrumentation workshop, Tokyo, 2017. (Invited)
22. Asia Oceania Geosciences Society (AOGS) 14th Annual Meeting, Singapore, 2017. (Invited)
23. Space Science and Technology Conference, Ho Chi Minh City, Vietnam, 2017. (Invited)
24. ULTIMATE Subaru workshop, Tokyo, 2018
25. Subaru workshop for small solar system bodies, Kobe, 2018.