Curriculum Vitae

Ming-Jye Wang

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EDUCATION

Ph. D.	1994, Physics Department, National Tsing-Hua University, Hsin-Chu, Taiwan
B.Sc.	1989, Physics Department, National Tsing-Hua University, Hsin-Chu, Taiwan

EXPERIENCE

2009/02 – now	Research Fellow, Institute of Astronomy & Astrophysics, Academia Sinica, Taipei, Taiwan
2010/09 – 2017.06	Deputy director, Institute of Astronomy & Astrophysics, Academia Sinica, Taipei, Taiwan
2004/04 – 2009/01	Associate Research Fellow, Institute of Astronomy & Astrophysics, Academia Sinica, Taipei, Taiwan
1999/08 – 2004/03	Assistant Research Fellow, Institute of Astronomy & Astrophysics, Academia Sinica, Taipei, Taiwan
1994/10 –2009/08	Postdoctoral fellow, Institute of Astronomy & Astrophysics, Academia Sinica, Taipei, Taiwan

CURRENT RESEARCH ACTIVITIES

1. Lead wSMA project in ASIAA – An upgrade project of SMA receiver
2. Develop calibration source for SAFARI (SPICA) – An in-kind contribution from Taiwan to the SPICA project
3. Develop detector and receiver in THz – A possible instrument of GLT on the high site
4. Novel superconductors – material synthesis, structure analysis, and physical property study
5. Future receiver technology – Si-based micromachining process, membrane process, and integrated superconducting circuit (working with junior faculties)

PROFESSIONAL ACTIVITIES

Professional Service

1. Steering Committee Member of EASSE (2015~ now)
2. Member of organizing committee of APRASC-13, 2013 (Chair of Commission J)
3. Organizer of The Workshop on SMW Rx Technologies in East Asia, 2000, 2004, and 2008, 2017.
4. Paper Review Referee:

   2013: New Journal of Physics

   2014:

   New Journal of Physics

   PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

   Physica Status Solidi - Rapid Research Letters

   2016:

   2D Materials

   Nanoscale Research

   2017:

   PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

   2018:

   PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

   Journal of Materials Processing Technology

5. Referee for research proposals of Ministry of Science and Technology, Taiwan

TECHNICAL ACHIEVEMENTS

1. Establish the Superconducting Device Laboratory including clean room facilities and cryogenic testing facilities in ASIAA
2. Provide SIS mixers to SMA (Submillimeter Array) receiver
3. Establish the fabrication process of SQUID (Superconducting Quantum Interference Device) chips
4. Establish the fabrication process of hot-electron-bolometer mixer for THz receiver
5. Establish the fabrication process of thin-substrate based device, like planar OMT and Si attenuator
6. Establish the fabricating process of membrane device, like the micro-lamp for the calibration source of SAFARI, and potentially the transition-edge-sensor (TES).

COMPLETE LIST OF PUBLICATIONS (2018.04)

2018

1. Hsiao-Wen Chang, Hsun-Hsieh, Tse-Jun Chen, **Ming-Jye Wang**, "Growth and Superconductivity of ε-NbN Ultrathin Epitaxial Films", in preparation

2. Chih-Han Wang, Gwo-Tzong Huang, Chin-Min Wei, **Ming-Jye Wang**, Maw-Kuen Wu, "High Temperature Structure Distortion and Superconductivity in $K_{2-x}Fe_{4+y}Se_5$", in preparation

3. Chun-Hao Huang, Chin-Wei Wang, Chung-Chieh Chang, Gwo-Tzong Huang, **Ming-Jye Wang**, and Maw-Kuen Wu, "MnSe structural variation from wurtzite to rock salt and investigations of the stacking fault effect in rock salt", in preparation

4. Hsiung H.-I., Chao W.H, Hsu H.Y., **Wang M.-J.**, Liu H.-L., Wu M.-K," Observation of Iron d-orbitals Modifications in Superconducting FeSe by Raman Spectra Study", Physica C: Superconductivity and its applications, accepted. (DOI: 10.1016/j.physc.2018.02.041)

5. C.H. Wang, T.K. Chen, C.C. Chang, Y.C. Lee, **M.J. Wang**, K.C. Huang, P.M. Wu, M.K. Wu, "Fe-vacancy and superconductivity in FeSe-based superconductors", Physica C: Superconductivity and its applications, **549**, 61-65, 2018-02

2017

6. H. W. Chang, C. L. Wang, Y. R. Huang, T. J. Chen, and **M. J. Wang**, "Growth and characterization of few unit-cell NbN superconducting films on 3C-SiC/Si substrate", Superconductor Science and Technology, **30**, 115010, 2017-10.

7. W. H. Chao, C Ying, H. Y Chen, J Li, C. F. Wang, J. J. Lin, C. M. Tseng, **M. J. Wang**, K. K. Wu, "Growth and Superconducting Characterisitics of Novel BuS2-based Layered Superconductor Bi4O4S3", Science of Advanced Materials, **9**(10), 1780-1784, 2017-10.

2016

8. S. H. Lee, T. W. Frawley, C. H. Yao, Y. C. Lai, Chao-Hung Du, P. D. Hatton, **M. J. Wang**, F. C. Chou, and D. J. Huang, "Charge and spin coupling in magnetoresistive oxygen-vacancy strontium ferrate SrFeO3–δ", NEW JOURNAL OF PHYSICS, 18, 093033, 2016-09 [IF:3.570, Citations:1]

9. W. Zhang*, J. Q. Zhong, W. Miao, Z. Wang, D. Liu, Q. J. Yao, S. C. Shi, T. J. Chen, **M. J. Wang**, *"Electrical Characteristics of Superconducting Ti Transition Edge Sensors"*, JOURNAL OF LOW TEMPERATURE PHYSICS, 184(1), 11-16, 2016-07 [IF 0.787, Citations:2]

10. Hiroyuki HIRASHITA*, Patrick M. KOCH, Satoki MATSUSHITA, Shigehisa TAKAKUWA, Masanori NAKAMURA, Keiichi ASADA, Hauyu Baobab LIU, Yuji URATA, **Ming-Jye WANG**, Wei-Hao WANG, Satoko TAKAHASHI, Ya-Wen TANG, Hsian-Hong CHANG, Kuiyun HUANG, Oscar MORATA, Masaaki OTSUKA, Kai-Yang LIN, An-Li TSAI, Yen-Ting LIN, Sundar SRINIVASAN, Pierre MARTIN-COCHER, Hung-Yi PU, Francisca KEMPER, Nimesh PATEL, Paul

GRIMES, Yau-De HUANG, Chih-Chiang HAN, Yen-Ru HUANG, Hiroaki NISHIOKA, Lupin Chun-Che LIN, Qizhou ZHANG, Eric KETO, Roberto BURGOS, Ming-Tang CHEN, Makoto INOUE, and Paul T. P. HO, "First-generation science cases for ground-based terahertz telescopes", PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN, 68, 1, 2016-02. [IF:1.961, Citations:1]

2015

11. M. K. Wu*, P. M. Wu, Y. C. Wen, **M. J. Wang**, P. H. Lin, W. C. Lee, T. K. Chen, C. C. Chang, "An Overview of the Fe-Chalcogenide Superconductors" Journal of Physics D: Applied Physics, 48 (2015) 323001 (14pp). [IF 2.772, Citations:5]
12. Huiting Lin*; Sing-Lin Wu, Ji-Wun Wang, Tse-Jun Chen, **Ming-Jye Wang**, Jeng-Chung Chen, Maw-Kuen Wu, Cheng-Chung Chi, "Determination of the Penetration Depth of FeSe0.3Te0.7 Thin Films by Scanning SQUID Microscope", Superconductor Science and Technology, 28 (2015) 085006 (7pp). July 1, 2015 [IF 2.717, Citation:0] (Fulltext)
13. C.C. Chang, T.K. Chen, W.C. Lee, P.H. Lin, **M.J. Wang**, Y.C. Wen, P.M. Wu and M.K. Wu*, "Superconductivity in Fe-chalcogenides", PHYSICA C, 514 (2015) 423–434. [IF:0.835, Citation:8] (Fulltext)
14. Chih-Han Wang, Ta-Kun Chen, Chung-Chieh Chang, Chia-Hao Hsu, Yung-Chi Lee, **Ming-Jye Wang**, Phillip M. Wu and Maw-Kuen Wu*, "Disordered Fe vacancies and superconductivity in potassium-intercalated iron selenide (K2−xFe4+y Se5)", Europhysics Letter, 111 (2015) 27004 [IF 2.229, Citations:4]

2014

15. Kung-Hsuan Lin*, Kuan-Jen Wang, Chung-Chieh Chang, Yu-Chieh Wen, Dzung-Han Tsai, Yu-Ruei Wu, Yao-Tsung Hsieh, **Ming-Jye Wang**, Bing Lv, Paul Ching-Wu Chu, and Maw-Kuen Wu,*"Observation of pseudogaplike feature above Tc in LiFeAs by ultrafast optical spectroscopy"*, PHYSICAL REVIEW B: 90, 174502, 2014-11 [IF:3.736, Citation:3] (Fulltext)
16. Chiu-Chun Tang, Hui-Ting Lin, Sing-Lin Wu, Tse-Jun Chen, **M. J. Wang**, D. C. Ling, C. C. Chi, and Jeng-Chung Chen*, "*An interchangeable scanning Hall probe/scanning SQUID microscope*", Review of Scientific Instruments 85, 083707, 2014-08 [SCI: IF:1.614, Citation:2]) (Fulltext)
17. Ta-Kun Chen*, Chung-Chieh Chang, Hsin-Yu Tang, Hsian-Hong Chang, Yu-Ruei Wu, Min-Hsueh Wen, Y Lee, **Ming-Jye Wang**, Maw-Kuen Wu, Fu-Rong Chen, Dirk van Dyck, *"Structural characteristics and phase separation of superconducting Fe1+ySe1-xTex nanowires"*, Materials Research Express: 1, 015026, 2014-02 [IF:0.968, Citation:0](Fulltext)
18. H. H. Chang, C. C. Chang, Y. Y. Chiang, J. Y. Luo, P. M. Wu, C. M. Tseng, Y. C. Lee, Y. R. Wu, Y. T. Hsieh, M. H. Wen, **M. J. Wang***, M. K. Wu, *"Growth and Characterization of Superconducting β-FeSe type Iron Chalcogenide Nanowires"*, SUPERCONDUCTOR SCIENCE & TECHNOLOGY: 27,025015, 2014-01 [IF:2.325, Citations:4] (Fulltext)

19. **Ming-Jye Wang***, Ji-Wun Wang, Chun-Lun Wang, Yen-Yu Chiang, Hsian-Hong Chang, *"Graphene-based Terahertz Photodetector by Noise Thermometry Technique"*, APPLIED PHYSICS LETTERS: 104, 033502, 2014-01 [IF:3.302, Citations:4]
20. Ta-Kun Chen, Chung-Chieh Chang, Hsian-Hong Chang, Ai-Hua Fang, Chih-Han Wang, Wei-Hsiang Chao, Chuan-Ming Tseng, Yung-Chi Leea, Yu-Ruei Wu, Min-Hsueh Wen, Hsin-Yu Tangd, Fu-Rong Chena, **Ming-Jye Wang**, Maw-Kuen Wu*, and Dirk Van Dycke, *"Fe-vacancy order and superconductivity in tetragonal β-Fe1-xSe"*, PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA: 111(1), 63-68, 2014-01 [IF:9.674, Citations:26]

2013

21. Chia-Hao Hsu, Chung-Chieh Chang*, Chuan-Ming Tseng, Chih-Chieh Chan,Wei-Hsiang Chao, Yu-Ruei Wu, Min-Hsueh Wen, Yao-Tsung Hsieh,Yi-Chih Wang, Chi-Liang Chen, **Ming-Jye Wang**, Maw-Kuen Wu, *"An ultra-fast response gasochromic device for hydrogen gas detection"*, SENSORS AND ACTUATORS B-CHEMICAL: 186, 193–198, 2013-06 [IF:3.840, Citations: 9]
22. Edward Tong, Paul Grimes, Raymond Blundell, **Ming-Jye Wang**, and T. Noguchi, *"Wideband SIS Receivers Using Series Distributed SIS Junction Array"*, IEEE Transactions on Terahertz Science and Technology: 3(4), 428-432, 2013-07 [IF:4.342, Citations: 5]
23. Chun-Feng Lai*, Chung-Chieh Chang, **Ming-Jye Wang**, and Mau-Kuen Wu, *"CCT- and CRI-tuning of white light-emitting diodes using three-dimensional non-close-packed colloidal photonic crystals with photonic stopbands"*, OPTICS EXPRESS: 21(S4), A687-A694, 2013-07 [IF:3.525, Citations:11] (Fulltext)
24. C. H. Wu*, W. C. Chang, J. T. Jeng, **M. J. Wang**, Y. S. Li, H. H. Chang, M. K. Wu, *"Transport properties in FeSe0.5Te0.5 nanobridges"*, APPLIED PHYSICS LETTERS: 102, 222602, 2013-06 [IF:3.515, Citations: 9] (Fulltext)
25. Kuan-Yu Liu, **Ming-Jye Wang**, Chao-Te Li*, Tse-Jun Chen, and Sheng-Cai Shi, "Development of a Dual Polarization SIS Mixer with a Planar Orthomode Transducer at 350 GHz", IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY: 23(3), 1400705, 2013-06 [IF:1.324, Citations: 0] (Fulltext)
26. Edward C.Y. Rong, P. Paul Grimes, Amaund Barbier, “Design and Performance of a 3-Junction Series Distributed SIS Mixer for Wide IF Applications.”, IEEE TRANSACTION ON APPLIED SUPERCONDUCTIVITY, 23(3) 1400404, Jun 2013. [IF:1.324, Citations: 5]
27. M. K. Wu*, M. J. Wang, KW Yeh, “Recent advances in beta-FeSe1-x and related superconductors”, SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS 14, 014402, 2013-02 [IF:3.513, Citations: 19]

2012

28. Y.-C. Wen, K.-J. Wang, H.-H. Chang, J.-Y. Luo, C.-C. Shen, H.-L. Liu, C.-K. Sun, **M.-J. Wang**, and M.-K. Wu*, "Gap opening and orbital modification of superconducting FeSe above the structural distortion", Physical Review Letters, 108, 267002, 2012-06. [IF:7.943, Citations: 26]
29. H H Chang, J Y Luo, C T Wu, F C Hsu, T W Huang, P M Wu, M K Wu and **M J Wang***,"Weak localization in FeSe1-xTex superconducting thin films", SUPERCONDUCTOR SCIENCE & TECHNOLOGY, 25, 035004, 2012-01 [IF:2.758, Citations: 9]

2011

30. Chia-Hao Hsu, Chung-Chieh Chang*, Kuo-Wei Yeh, Yu-Ruei Wu, Chih-Chieh Chan, **Ming-Jye Wang**, and Mau-Kuen Wu, "Pulsed laser deposition of (WO3)1-x(Nb2O5)x thin films: Characterization and gasochromic studies", Thin Solid Films, 520 (5),1470-1474, 2011-12 [IF:1.890, Citations: 6]
31. Yu-Chieh Wen, Yang-Chung Liao, Hsian-Hong Chang, Boon-How Mok, Yung-Chi Lee, Tzu-Wen Huang, Kuo-Wei Yeh, Jiu-Yong Luo, **Ming-Jye Wang**, Chi-Kuang Sun, and Maw-Kuen Wu*, "Elastic stiffness of single-crystalline FeSe measured by picosecond ultrasonics", JOURNAL OF APPLIED PHYSICS 110, 073505, 2011-10 [IF:2.168, Citations: 4]
32. H. H. Chang, J. Y. Luo, T.W. Huang, C. T. Wu, F. C. Hsu, T.W. Huang, P. M. Wu, M. K. Wu, **Ming-Jye Wang***, "Vortex state of FeSe1-xTex superconducting thin films", SUPERCONDUCTOR SCIENCE & TECHNOLOGY, 24, 105011, 2011-09 [IF:2.662, Citations: 4]
33. Jen-Tzong Jeng, **Ming-Jye Wang**, Chiu-Hsien Wu, and Chih-Cheng Lu, "Two-Stage Directly-Coupled Superconducting Quantum Interference Device Array Magnetometer," IEEE Transactions on Applied Superconductivity, **21** (3), 399-403 Jun. 2011, [IF:1.31, Citations:0)
34. Chao-Te Li, Kuan-Yu Liu, Wei-Chun Lu, Chuang-Ping Chiu, Tse-Jun Chen, Chong-Wen Chen, Yung-Chin Chang, **Ming-Jye Wang** and Sheng-Cai Shi, "Development of 460 GHz and Dual Polarization SIS Mixers for the Submillimeter Array", IEEE Transactions on Applied Superconductivity, **21** (3), 654-658, Jun. 2011. [IF:1.31, Citations: 1]
35. Jing Li, Sheng-Cai Shi, Dong Liu, Kang-Ming Zhou, **MingJye Wang**, Tse-Jun Chen, Chong-Wen Chen, Wei-Chun Lu, ChuangPing Chiu, and Hsian-Hong Chang, "Noise and Bandwidth of 0.5-THz Twin Vertically Stacked SIS Junctions", IEEE Transactions on Applied Superconductivity, **21** (3), 663-666, Jun. 2011. [IF:1.31, Citations:1]

2010

36. T.K. Chen, J.Y. Luo, C.T. Ke, H.H. Chang, T.W. Huang, K.W. Yeh, C.C. Chang, P.C. Hsu, C.T. Wu, **M.J. Wang**, M.K. Wu, "Low-temperature fabrication of superconducting FeSe thin films by pulsed laser deposition", Thin Solid Films, **519,** 1540–1545, Dec. 2010, [IF:1.727; Citations:22])
37. Chung-Chieh Chang, Jiu-Yong Luo, Ta-Kun Chen, Kuo-Wei Yeh, Tzu-Wen Huang, Chia-Hao Hsu, Wei-Hsiang Chao, Chung-Ting Ke, Po-Chun Hsu, **Ming-Jye Wang**, Mau-Kuen Wu, "Pulsed laser deposition of (MoO3)1−x(V2O5)x thin films: Preparation, characterization and gasochromic studies", Thin Solid Films 519,1552–1557, Dec. 2010, [IF:1.727, Citations: 10]
38. S. L. Wu, **M. J. Wang**, T. J. Chen, C. W. Chen, C. C. Chi, "The study of distributions and movements of vortices in superconducting thin films by using a Scanning SQUID Microscope", Physica C **470** S879, Dec. 2010) [IF:0.723, Citations:1]
39. H.H. Chang, J.Y. Luo, C.T. Wu, F.C. Hsu, T.K. Chen, P.M. Wu, M.K. Wu, **M.J. Wang**,"Te substitution effect on electronic properties of β-FeSe thin films," Physica C **470** S480 (2010) [IF:0.732, Citations:7]
40. C.T. Wu, H.H. Chang, J.Y. Luo, T.J. Chen, F.C. Hsu, T.K. Chen, **M.J. Wang** and M.K. Wu, "Heterojunction of Fe($Se_{1-x}Te_x$) Superconductor on Nb-doped $SrTiO_3$", Applied Physics Letters, 96 (12), 122506, Mar. 2010) [IF:3.554, Citations:12]
41. M. K. Wu, K. W. Yeh, H. C. Hsu, T. W. Huang, T. K. Chen, J. Y. Luo, M. J. Wang, H. H. Chang, C.T. Ke, M. H. Moh, and S. M. D. Rao, "The development of the superconducting tetragonal PbO-type FeSe and related compounds", PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 246(3) SI500-505, Mar. 2010 [IF:1.674, Citations:6]

2009

42. **M. J. Wang,** J.Y. Luo, T.W. Huang, H. H. Chang, T. K. Chen, F. C. Hsu,1 C. T. Wu, P. M. Wu, A. M. Chang, and M. K. Wu, "Crystal Orientation and Thickness Dependence of the Superconducting Transition Temperature of Tetragonal FeSe1-x Thin Films," Physical Review Letters **103,** 117002, Sep. 2009 [IF:7.328, Citation: 85]
43. M.K. Wu, F.C. Hsu, K.W. Yeh, T.W. Huang, J.Y. Luo, **M.J. Wang**, H.H. Chang, T.K. Chen, S.M. Rao, B.H. Mok, C.L. Chen, Y.L. Huang, C.T. Ke, P.M. Wu, A.M. Chang, C.T. Wu, T.P. Perng, "The development of the superconducting PbO-type b-FeSe and related compounds," Physica C, v.469, pp.340-349, 2009 [IF:0.723, Citation:135]

~2008

44. **Wang, M.J.**, Suen, N.T., Ho, J.Y., Sheu, H.S., Chong, H.H., Lin, H.Y., Tang, H.Y.," Synthesis and Structure Transformation of Ion-Exchanged Metal Cobalt Oxides" (2007/Dec.) Crystal Growth and Design, 7(12), 2738-2741[IF:4.055, Citations:0]

45. Chunte Wu, **Ming-Jye Wang** and Maw-Kuen Wu, "Study of High Temperature Superconducting p-n Junction", Physica C 460:424-425, Sep. 2007 [IF:1.404, Citations:0]
46. Jing Li, **Ming-Jye Wang**, Sheng-Cai Shi, Hiroshi Matsuo, "Terahertz detection with twin superconductor-insulator-superconductor tunnel junctions" CHINESE PHYSICS LETTERS **24** (2) 570-573, Feb. 2007 [IF:0.8, Citations:2]
47. Horng Y. Tang, Hsiao Y. Lina, **Ming J. Wang**, Ming Y. Liao, Fon C. Hsu, Boon H. Mok, Jean L. Liua, Michael T. Beasley, Hwo S. Sheu, Maw K. Wu, 2006,"Low temperature synthesis of bilayer hydrated cesium cobalt oxide", J. Solid State Chem. 179, 2728–2731, Aug. 2006 [IF:2.299, Citations:2]
48. Horng-Yi Tang, Hsiao-Yun Lin, **Ming-Jye Wang**, Ming-Yuan Liao, Jean-Lien Liu, Fon-Chi Hsu, and Maw-Kuen Wu, 2005," Crystallization and Anisotropic Properties of Water-Stabilized Potassium Cobalt Oxides", Chem. Mater.**,** 17, 2162-2164, Apr. 2005 [IF:9.466, Citations:8]
49. Y.C. Liao, C.H. Du, F. Xu, **M.J. Wang**, C. Wu,Y.Y. Hsu, M.K. Wu, 2004, "Exotic properties of spinel oxide superconductor Li1txTi2O4," Physica C, 408-410, 269-371, Aug. 2004 [IF:1.404, Citations:2]
50. W.L.Shan, **M.J.Wang**, S.C.Shi, Y.Irimajiri, and T.Noguchi, 2004, "An anomalous peak on intermediate frequency response of superconductor-isolator-superconductor mixers and its effect on mixing performance", Jpn. J. Appl. Phys., 43, no.5A, L617-619, May 2004 [IF: , Citations:1]
51. **M. J. Wang**, H. W. Cheng, P. K. Chuang, S. L .Wu, C. C. Chi, 2003 June, "New AlOx Thickness Control process for SIS Tunnel Junctions Fabrication", IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, 13, 1100-1103, Jun. 2003 [IF:1.092, Citations:2]
52. Y.C. Liao, Fongchi Xu, **M.J. Wang**, Chunte Wu,and M.K. Wu, 2003 June, "The transport properties of Li(1+x)Ti2O4 in high magnetic field", J. LOW TEMP PHYS, 131, 781-785, Jun. 2003 [IF:1.4, Citations:3]
53. M.K. Wu, B.H. Mok, S.M. Rao, **M.J. Wang**, D.C. Yuan, P.D. Hatton and N.G. Parkinson, 2003 June, "Magnetic Ordering in the mixed Ruthenium-Copper Oxide Ba2PrRu1-xCuxO6", J. Low TEMP PHYS, 131, 1053-1057, Jun. 2003 [IF:1.3, Citations:4]
54. F.C. Xu,Y.C. Liao, **M.J. Wang**, C.T. Wu, K.F. Chiu and M.K. Wu, 2003 May, "The preparation of Li1+xTi2O4 and its aging effect", J. LOW TEMP PHYS, 131, 569-574, Jun. 2003 [IF:1.3, Citations:12]
55. S.C. Shi, **M.J. Wang**, and T. Noguchi, 2002, "Simulation of the performance of a 5-junction array for 780-950GHz," Supercond. Sci. Technol. **15,** 1717–1720, Dec. 2002 [IF:2.878, Citations:3]

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57. C.C. Chin, **M.J. Wang**, W. L. Shan, W. Zheng, H.W. Cheng, S.C. Shi, T. Noguchi, 2002, "A Fixed Tuned Low Noise 600-700 GHz SIS Receiver," Int. J. of IR & MM Waves, 23, 731-743, May 2002, [IF:0.672, Citations:4]
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59. D.Y. Chen, F.Z. Chien, D.C. Lin, J.L. Tseng, S.R. Sheen, **M.J. Wang**, M.K. Wu, "Superconductivity in Ru-based Double Perovskite - The Possible Existence of a New Superconducting pairing State", PHYSICS C, Vol 282-287, pp73-76, Aug. 1997 [IF:1.404, Citations:46]
60. C.H. Kao, L.T. Lin Y.D. Chiu, **M.J. Wang**, C.L. Lin, M.K. Wu, "Fabrication and Characterization of Bi(Pb)-Sr-Ca-Cu-O/Ag_2O Superconducting Tubes", Journal of Electronic Materials, Vol 24, Iss 12, pp 893-896, Dec. 1995, [IF: , Citations:15]
61. S.R. Sheen, D.H. Chen, C.T. Chang, H.Y. Hsu, Y.L. Sun, **M.J. Wang** , W.J. Wen, M.K. Wu, C.Y. Chei, W.M. Hurng, "Preparation of a $Nd_{1.85}Ce0.15CuO_{4-\delta}$ Superconductor via the Hydroxide Coprecipitation Method" SUPERCONDUCTOR SCIENCE & TECHNOLOGY, Vol 7, Iss 2, pp 84-88, Feb. 1994 [IF:2.878, Citations:0]
62. **M.J. Wang**, M.K. Wu, "The Vortex State in $YBa_2Cu_3O_{7-y}$ System", CHINESE JOURNAL OF PHYSICS 1993, Vol 31, Iss 6, pp 1043-1048.
63. M.K. Wu, **M.J. Wang**, C.C. Chi, "Resistive Transition in the $YBa_2Cu_3O_y$ system – Evidence of 2D-3Dimensional Crossover", CHINESE JOURNAL OF HE PHYSICS 1993, Vol 31, Iss 6, pp 885-891.
64. Y. Huang, Y.F. Lin, **M.J. Wang,** M.K. Wu, K.J. Ma, "Growth of $YBa_2Cu_3O_y$ Single-Crystals from a Mixture of $YBa_2Cu_3O_y$ and Ag_2O", JOURNAL OF APPLIED PHYSICS 1993, Vol 73, iss 7, pp 3580-3582.
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