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EDUCATION:

August 2005 to May 2010
Ph.D., Department of Physics, the University of Tennessee
September 2002 to July 2005
M. S., Institute of Physics, Chinese Academy of Sciences, Beijing, China
September 1998 - July 2002
B. S., Physics Department, Tsinghua University, Beijing, China

EMPLOYMENT:

2010-2012	Miller Fellow, University of California, Berkeley
2012-2014	Professor, Department of Physics, Fudan University
2014-present	Xide Junior Chair Professor, Department of Physics, Fudan University

HONORS AND AWARDS:

2019	**Young Scientist Award of the Ministry of Education （教育部青年科学奖）**
2018	**Leading Talents of the Ten Thousand Plan,** China**（万人计划领军人才）**
2018	**Sir Martin Wood China Prize**
2018	**Young and Middle-aged Leading Talents in Scientific and Technological Innovation**
2017	**Distinguished Professor of the Changjiang Scholar （长江学者特聘教授）**
2014	**复旦大学港爱赞助优异奖教金**
2014	**Qiushi Outstanding Young Scholar Award （求是杰出青年学者奖）**
2013	**Pujiang Scholar Award,** Shanghai, China **（浦江人才计划）**
2012	**国家特聘专家（青年）**
2010	**Miller Fellowship,** University of California, Berkeley
2010	**Outstanding Dissertation in Magnetism Award,** American Physical Society
2010	**Chinese Government Scholarship** for Outstanding Self-financed Students Studying Abroad, China
2010	**Fowler-Marion Outstanding Graduate Student Award**, the University of Tennessee
2009	**Chancellor's Honors** for Extraordinary Professional Promise, the University of Tennessee
2009	**Neutron Fellowship**, Oak Ridge National Laboratory & the University of Tennessee
2006	**Paul H. Stelson Fellowship**, the University of Tennessee
2005 to 2008	**Tennessee Advanced Materials Laboratory Fellowship**, the University of Tennessee

RESEARCH TECHNIQUES AND INTERESTS:

- Use various neutron-scattering techniques to study the lattice structures, magnetic structures, spin excitations, and phase transitions of strongly correlated systems.
- Grow strongly correlated system single crystals with the travelling solvent floating zone, flux and Bridgeman methods.

PUBLICATIONS:

1. High-temperature charge-stripe correlations in La1.675Eu0.2Sr0.125CuO4
   Qisi Wang, M. Horio, K. von Arx, Y. Shen, D. John Mukkattukavil, Y. Sassa, O. Ivashko, C. E. Matt, S. Pyon, T. Takayama, H. Takagi, T. Kurosawa, N. Momono, M. Oda, T. Adachi, S. M. Haidar, Y. Koike, Y. Tseng, W. Zhang, *J. Zhao*, K. Kummer, M. Garcia-Fernandez, Ke-Jin Zhou, N. B. Christensen, H. M. Rønnow, T. Schmitt, and J. Chang
   Physical Review Letters 124, 187002 (2020)
2. Approaching itinerant magnetic quantum criticality through a Hund's coupling induced electronic crossover in the YFe2Ge2 superconductor
   D. Zhao, H. L. Wo, J. Li, D. W. Song, L. X. Zheng, S. J. Li, L. P. Nie, X. G. Luo, *J. Zhao*, T. Wu, and X. H. Chen
   Physical Review B 101, 064511 (2020)
3. Neutron spin resonance in the heavily hole-doped KFe2As2 superconductor
   Shoudong Shen#, Xiaowen Zhang#, Hongliang Wo, Yao Shen, Yu Feng, A. Schneidewind, P. Čermák*, Wenbin Wang, and *Jun Zhao**
   Physical Review Letters 124, 017001 (2020)
4. Neutron scattering studies on unconventional superconductors
   Wo Hong-liang, Wang Qi-si, Shen Yao and *Zhao Jun**
   Wuli 48, 790-799 (2019)
5. Pressure-induced large enhancement of Néel temperature and electric polarization in the hexagonal multiferroic Lu0.5Sc0.5FeO3
   Fengliang Liu, Changsong Xu, Shoudong Shen, Nana Li, Hangwen Guo, Xujie Lü, Hongjun Xiang, L. Bellaiche, *Jun Zhao*, Lifeng Yin, Wenge Yang, Wenbin Wang, and Jian Shen
   Physical Review B 100, 214408 (2019)
6. Study of intrinsic defect states of FeSe with scanning tunneling microscopy
   Kunliang Bu, Bo Wang, Wenhao Zhang, Ying Fei, Yuan Zheng, Fangzhou Ai, Zongxiu Wu, Qisi Wang, Hongliang Wo, *Jun Zhao*, Chuanhong Jin, and Yi Yin
   Physical Review B 100, 155127 (2019)
7. Intertwined dipolar and multipolar order in the triangular-lattice magnet TmMgGaO4
   Yao Shen, Changle Liu, Yayuan Qin, Shoudong Shen, Yao-Dong Li, Robert Bewley, Astrid Schneidewind, Gang Chen* and *Jun Zhao**
   Nature Communications 10, 4530 (2019)
8. Quantitative characterization of short-range orthorhombic fluctuations in FeSe through pair distribution function analysis
   Benjamin A. Frandsen, Qisi Wang, Shan Wu, *Jun Zhao*, and Robert J. Birgeneau
   Physical Review B 100, 020504(R) (2019)

9. Intertwined spin and orbital density waves in MnP uncovered by resonant soft X-ray scattering
   Bingying Pan, Hoyoung Jang, Jun-Sik Lee, Ronny Sutarto, Feizhou He, J. F. Zeng, Yang Liu, Xiaowen Zhang, Yu Feng, Yiqing Hao, *Jun Zhao*, H. C. Xu, Z. H. Chen, Jiangping Hu and Donglai Feng
   Physical Review X 9, 021055 (2019)
10. Coexistence of ferromagnetic and stripe-type antiferromagnetic spin fluctuations in YFe2Ge2
    Hongliang Wo, Qisi Wang, Yao Shen, Xiaowen Zhang, Yiqing Hao, Yu Feng, Shoudong Shen, Zheng He, Bingying Pan, Wenbin Wang, K. Nakajima, S. Ohira-Kawamura, P. Steffens, M. Boehm, K. Schmalzl, T. R. Forrest, M. Matsuda, Yang Zhao, J. W. Lynn, Zhiping Yin and *Jun Zhao**
    Physical Review Letters 122, 217003 (2019)
11. Magnetic ground state of KCr3As3
    Yu Feng, Xiaowen Zhang, Yiqing Hao, A. D. Hillier, D. T. Adroja, and *Jun Zhao**
    Physical Review B 99, 174401 (2019)
12. Evidence of nodal gap structure in the basal plane of the FeSe superconductor
    Pabitra K. Biswas, Andreas Kreisel, Qisi Wang, Devashibhai T. Adroja, Adrian D. Hillier, *Jun Zhao*, Rustem Khasanov, Jean-Christophe Orain, Alex Amato and Elvezio Morenzoni
    Physical Review B 98, 180501(R) (2018)
13. Infrared spectroscopy study of ironbased superconductor Li0.8Fe0.2ODFeSe
    Lin Tong, Hu Die, Shi Li-Yu, Zhang Si-Jie, Liu Yan-Qi, Lv Jia-Lin, Dong Tao, *Zhao Jun*, Wang Nan-Lin
    Acta Physica Sinica 67, 207102 (2018)
14. Fractionalized excitations in the partially magnetized spin liquid candidate YbMgGaO4
    Yao Shen, Yao-Dong Li, H. C. Walker, P. Steffens, M. Boehm, Xiaowen Zhang, Shoudong Shen, Hongliang Wo, Gang Chen* and *Jun Zhao**
    Nature Communications 9, 4138 (2018)
15. Effect of spin-orbit coupling on the effective-spin correlation in YbMgGaO4
    Yao-Dong Li, Yao Shen, Yuesheng Li, *Jun Zhao*, Gang Chen*
    Physical Review B 97, 125105 (2018)
16. Nodal superconducting gap structure in the quasi-one-dimensional $Cs_2Cr_3As_3$ investigated using MuSR measurements
    D. T. Adroja, A. Bhattacharyya, M. Smidman, A. D. Hillier, Yu. Feng, B. Pan, *Jun Zhao*, M. R. Lees, A. M. Strydom and P. K. Biswas
    J. Phys. Soc. Jpn. 86, 044710 (2017)
17. Multiband one-dimensional electronic structure and spectroscopic signature of Tomonoga-Luttinger liquid behavior in $K_2Cr_3As_3$
    M. D. Watson, Y. Feng, C. W. Nicholson, C. Monney, J. M. Riley, H. Iwasawa, K. Refson, V. Sacksteder, D. T. Adroja, *Jun Zhao* and M. Hoesch
    Phys. Rev. Lett. 118, 097002 (2017)
18. Structure of spin excitations in heavily electron-doped $Li_{0.8}Fe_{0.2}$ODFeSe superconductors

Bingying Pan#, Yao Shen#, Die Hu, Yu Feng, J. T. Park, A. D. Christianson, Qisi Wang, Yiqing Hao, Hongliang Wo and *Jun Zhao**

Nature Communications 8, 123 (2017)

19. Superconductivity across Lifshitz transition and anomalous insulating state in surface K–dosed (Li0.8Fe0.2OH)FeSe
Mingqiang Ren, Yajun Yan, Xiaohai Niu, Ran Tao, Die Hu, Rui Peng, Binping Xie, *Jun Zhao*, Tong Zhang and Dong-Lai Feng
Science Advances 3, e1603238 (2017)
20. Measurement of Meissner effect in micro-sized Nb and FeSe crystals using an NbN nano-SQUIDpdfLong Wu, Lei Chen, Hao Wang, Qisi Wang, Hongliang Wo, *Jun Zhao*, Xiaoyu Liu, Xiaolei Wu and Zhen Wang
Superconductor Science and Technology 30, 074011 (2017)
21. Evidence for a spinon Fermi surface in a triangular-lattice quantum-spin-liquid candidate
Yao Shen, Yao-Dong Li, Hongliang Wo, Yuesheng Li, Shoudong Shen, Bingying Pan, Qisi Wang, H. C. Walker, P. Steffens, M. Boehm, Yiqing Hao, D. L. Quintero-Castro, L. W. Harriger, M. D. Frontzek, Lijie Hao, Siqin Meng, Qingming Zhang, Gang Chen* and *Jun Zhao**
Nature 540, 559-562 (2016)
22. Observation of quasi-two-dimensional Dirac fermions in $ZrTe_5$
Xiang Yuan, Cheng Zhang, Yanwen Liu, Awadhesh Narayan, Chaoyu Song, Shoudong Shen, Xing Sui, Jie Xu, Haochi Yu, Zhenghua An, *Jun Zhao*, Stefano Sanvito, Hugen Yan and Faxian Xiu
NPG Asia Materials 8, e325 (2016)
23. Highly anisotropic and twofold symmetric superconducting gap in nematically ordered $FeSe_{0.93}S_{0.07}$
H. C. Xu, X. H. Niu, D. F. Xu, J. Jiang, Q. Yao, Q. Y. Chen, Q. Song, M. Abdel-Hafiez, D. A. Chareev, A. N. Vasiliev, Q. S. Wang, H. L. Wo, *J. Zhao*, R. Peng and D. L. Feng
Phys. Rev. Lett. 117, 157003 (2016)
24. Enhancement of superconductivity under pressure and the magnetic phase diagram of tantalum disulfide single crystals
M. Abdel-Hafiez, X.-M. Zhao, A. A. Kordyuk, Y.-W. Fang, B. Pan, Z. He, C.-G. Duan, *J. Zhao* and X.-J. Chen
Scientific Reports 6, 31824 (2016)
25. Magnetic ground state of FeSe
Qisi Wang#, Yao Shen#, Bingying Pan#, Xiaowen Zhang, K. Ikeuchi, K. Iida, A. D. Christianson, H. C. Walker, D. T. Adroja, M. Abdel-Hafiez, Xiaojia Chen, D. A. Chareev, A. N. Vasiliev and *Jun Zhao**
Nature Communications 7, 12182 (2016)
26. Transition from sign-reversed to sign-preserved Cooper-pairing symmetry in sulfur-doped iron selenide superconductors
Qisi Wang, J. T. Park*, Yu Feng, Yao Shen, Yiqing Hao, Bingying Pan, J. W. Lynn, A. Ivanov, Songxue Chi, M. Matsuda, Huibo Cao, R. J. Birgeneau, D. V. Efremov and *Jun Zhao**
Phys. Rev. Lett. 116, 197004 (2016)
27. Hexagonal phase stabilization and magnetic orders of multiferroic $Lu_{1-x}Sc_xFeO_3$
L. Lin, H. M. Zhang, M. F. Liu, Shoudong Shen, S. Zhou, D. Li, X. Wang, Z. B. Yan, Z. D. Zhang, *Jun Zhao*, Shuai Dong and J.-M. Liu

Phys. Rev. B 93, 075146 (2016)

28. A unifying phase diagram with correlation-driven superconductor-to-insulator transition for the 122 series of iron chalcogenides
    X. H. Niu, S. D. Chen, J. Jiang, Z. R. Ye, T. L. Yu, D. F. Xu, M. Xu, Y. Feng, Y. J. Yan, B. P. Xie, *J. Zhao*, D. C. Gu, L. L. Sun, Qianhui Mao, Hangdong Wang, Minghu Fang, C. J. Zhang, J. P. Hu, Z. Sun and D. L. Feng
    Phys. Rev. B 93, 054516 (2016)
29. Structural and magnetic phase diagram of CrAs and its relationship with pressure-induced superconductivity
    Yao Shen, Qisi Wang, Yiqing Hao, Bingying Pan, Yu Feng, Qingzhen Huang, L. W. Harriger, J. B. Leao, Yang Zhao, R. M. Chisnell, J. W. Lynn, Huibo Cao, Jiangping Hu and *Jun Zhao**
    Phys. Rev. B 93, 060503(R) (2016)
30. Electronic structure of YFe_2Ge_2 studied by angle-resolved photoemission spectroscopy
    D. F. Xu, D. W. Shen, D. Zhu, J. Jiang, B. P. Xie, Q. S. Wang, B. Y. Pan, P. Dudin, T. K. Kim, M. Hoesch, *J. Zhao*, X. G. Wan and D. L. Feng
    Phys. Rev. B 93, 024506 (2016)
31. Unexpected low thermal conductivity and large power factor in Dirac semimetal Cd_3As_2
    Cheng Zhang, Tong Zhou, Sihang Liang, Junzhi Cao, Xiang Yuan, Yanwen Liu, Yao Shen, Qisi Wang, *Jun Zhao*, Zhongqin Yang and Faxian Xiu
    Chinese Physics B 25, 017202 (2016)
32. Strong interplay between stripe spin fluctuations, nematicity and superconductivity in FeSe
    Qisi Wang, Yao Shen, Bingying Pan, Yiqing Hao, Mingwei Ma, Fang Zhou, P. Steffens, K. Schmalzl, T. R. Forrest, M. Abdel-Hafiez, Xiaojia Chen, D. A. Chareev, A. N. Vasiliev, P. Bourges, Y. Sidis, Huibo Cao and *Jun Zhao**
    Nature Materials 15, 159 (2016)
33. Superconducting ground state of quasi-one-dimensional $K_2Cr_3As_3$ investigated using muSR measurements
    D. T. Adroja, A. Bhattacharyya, M. Telling, Yu. Feng, M. Smidman, B. Pan, *J. Zhao*, A. D. Hillier, F. L. Pratt and A. M. Strydom
    Phys. Rev. B 92, 134505 (2015)
34. Landau level splitting in Cd_3As_2 under high magnetic fields
    Junzhi Cao, Sihang Liang, Cheng Zhang, Yanwen Liu, Junwei Huang, Zhao Jin, Zhi-Gang Chen, Zhijun Wang, Qisi Wang, *Jun Zhao*, Shiyan Li, Xi Dai, Jin Zou, Zhengcai Xia, Liang Li and Faxian Xiu
    Nature Communications 6, 7779 (2015)
35. Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of $BaFe_{2-x}Ni_xAs_2$
    Mahmoud Abdel-Hafiez, Yuanyuan Zhang, Zheng He, *Jun Zhao*, Christoph Bergmann, Cornelius Krellner, Chun-Gang, Duan, Xingye Lu, Huiqian Luo, Pengcheng Dai and Xiao-Jia Chen
    Phys. Rev. B 91, 024510 (2015)
36. Neutron scattering measurements of spatially anisotropic magnetic exchange interactions in semiconducting $K_{0.85}Fe_{1.54}Se_2$ (T_N=280 K)

*Jun Zhao**, Yao Shen, R. J. Birgeneau, Miao Gao, Zhong-Yi Lu, D.-H. Lee, X. Z. Lu, H. J. Xiang, D. L. Abernathy, and Y. Zhao

Phys. Rev. Lett. 112, 177002 (2014)

37. Room-temperature multiferroic hexagonal $LuFeO_3$ films

    W. Wang, *Jun Zhao*, W. Wang, Z. Gai, N. Balke, M. Chi, H. N. Lee, W. Tian, L. Zhu, X.Cheng, D. J. Keavney, J. Yi, T. Z. Ward, P. C. Snijders, H. M. Christen, W. Wu, J. Shen and X. Xu

    Phys. Rev. Lett. 110,237601 (2013)

38. Effect of electron correlations on magnetic excitations in the isovalently doped iron-based superconductor $Ba(Fe_{1-x}Ru_x)_2As_2$

    *Jun Zhao**, C. R. Rotundu, K. Marty, M. Matsuda, Y. Zhao, C. Setty, E. Bourret- Courchesne, Jiangping Hu, and R. J. Birgeneau

    Phys. Rev. Lett. 110,147003 (2013)

39. Neutron-diffraction measurements of an antiferromagnetic semiconducting phase in the vicinity of the high-temperature superconducting state of $K_xFe_{2-y}Se_2$

    *Jun Zhao**, Huibo Cao, E. Bourret-Courchesne, D. -H. Lee, R. J. Birgeneau

    Phys. Rev. Lett. 109, 267003 (2012)

40. Neutron scattering study of underdoped $Ba_{1-x}K_xFe_2As_2$ (x=0.09 and 0.17) self-flux-grown single crystals and the universality of the tricritical point

    C. R. Rotundu, W. Tian, K.C. Rule, T. R. Forrest, *Jun Zhao*, J. L. Zarestky and R.J. Birgeneau

    Phys. Rev. B 85 144506 (2012)

41. Neutron scattering studies of spin excitations in hole-doped $Ba_{0.67}K_{0.33}Fe_2As_2$ superconductor

    C. Zhang, M. Wang, H. Luo, M. Y. Wang, M. Liu, *Jun Zhao*, D. L. Abernathy, T. A. Maier, K. Marty, M. D. Lumsden, S. Chi, S. Chang, Jose A. Rodriguez-Rivera, J. W. Lynn, T. Xiang, J. Hu, & P. Dai

    Scientific Reports 1, 115 (2011).

42. Electron-spin excitation coupling in an electron doped copper oxide superconductor

    Jun Zhao#, F. C. Niestemski#, Shankar Kunwar, Shiliang Li, P. Steffens, A. Hiess, H. J. Kang, Stephen D. Wilson, Ziqiang Wang, Pengcheng Dai and V. Madhavan

    Nature Physics 7, 719 (2011).

43. Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor $BaFe_{2-x}Ni_xAs_2$

    M. Wang, H. Luo, *Jun Zhao*, Chenglin Zhang, Meng Wang, Karol Marty, Songxue Chi, Jeffrey W. Lynn, Astrid Schneidewind, Shiliang Li, and Pengcheng Dai

    Phys. Rev. B 81, 174524 (2010)

44. Neutron spin resonance as a probe of the electron superconducting gap in $BaFe_{1.9}Ni_{0.1}As_2$

    Jun Zhao, Louis-Pierre Regnault, Chenglin Zhang, Miaoying Wang, Zhengcai Li, Fang Zhou, Zhongxian Zhao, and Pengcheng Dai

    Phys. Rev. B 81, 180505(R) (2010) *Editors' Suggestions*

45. Transition from three dimensional anisotropic spin excitations to two dimensional spin excitations by electron doping the FeAs-based $BaFe_{1.9}Ni_{0.04}As_2$ superconductor
    L. W. Harriger, A. Schneidewind, S.Li, *Jun Zhao*, Z. Li, W. Lu, X. Dong, F. Zhou, Z. X. Zhao, J. Hu, and Pengcheng Dai
    Phys. Rev. Lett. 103, 087005 (2009)
46. Spin waves and magnetic exchange interactions in $CaFe_2As_2$
    Jun Zhao, D. T. Adroja, Dao-Xin Yao, R. Bewley, Shiliang Li, X. F. Wang, G. Wu, X. H. Chen, Jiangping Hu, Pengcheng Dai
    Nature Physics 5, 555 (2009)
47. Inelastic neutron-scattering measurements of a three-dimensional spin resonance in the FeAs-based $BaFe_{1.9}Ni_{0.1}As_2$ superconductor
    S. Chi, A. Schneidewind, *Jun Zhao*, Leland W. Harriger, Linjun Li, Yongkang Luo, Guanghan Cao, Zhu'an Xu, Micheal Loewenhaupt, Jiangping Hu, and Pengcheng Dai
    Phys. Rev. Lett. 102, 107006 (2009)
48. The crystalline electric field as a probe for long range antiferromagnetic order and superconductivity in $CeFeAsO_{1-x}F_x$
    S. Chi, D. T. Adroja, T. Guidi, R. Bewley, Shiliang Li, *Jun Zhao*, J. W. Lynn, C. M. Brown, Y. Qiu, G. F. Chen, J. L. Luo, N. L. Wang, P. Dai
    Phys. Rev. Lett. 101, 217002 (2008)
49. Structural and magnetic phase diagram of $CeFeAsO_{1-x}F_x$ and its relationship to high-temperature superconductivity
    Jun Zhao, Q. Huang, C. de la Cruz, S. Li, J. W. Lynn, Y. Chen, M. A. Green, G. F. Chen, G. Li, Z. Li, J. L. Luo, N. L. Wang, Pengcheng Dai
    Nature Materials 7, 953 (2008)
50. Low energy spin waves and magnetic interactions in $SrFe_2As_2$
    Jun Zhao, Dao-Xin Yao, Shiliang Li, Tao Hong, Y. Chen, S. Chang, W. Ratcliff II, J. W. Lynn, H. A. Mook, G. F. Chen, J. L. Luo, N. L. Wang, E. W. Carlson, Jiangping Hu, Pengcheng Dai
    Phys. Rev. Lett. 101, 167203 (2008)
51. Lattice and magnetic structures of PrFeAsO, $PrFeAsO_{0.85}F_{0.15}$ and $PrFeAsO_{0.85}$
    Jun Zhao, Q. Huang, Clarina de la Cruz, J. W. Lynn, M. D. Lumsden, Z. A. Ren, Jie Yang, Xiaolin Shen, Xiaoli Dong, Zhongxian Zhao, Pengcheng Dai
    Phys. Rev. B 78 132504 (2008)
52. Spin and lattice structure of single crystal $SrFe_2As_2$
    Jun Zhao, W. Ratcliff II, J. W. Lynn, G. F. Chen, J. L. Luo, N. L. Wang, Jiangping Hu, Pengcheng Dai
    Phys. Rev. B 78, 140504 (R) (2008). *Editors' Suggestions*
53. Doping evolution of antiferromagnetic order and structural distortion in $LaFeAsO_{1-x}F_x$
    Q. Huang, *Jun Zhao*, J. W. Lynn, G. F. Chen, J. L. Luo, N. L. Wang, Pengcheng Dai
    Phys. Rev. B 78 054529 (2008)

54. Impact of oxygen annealing on the heat capacity and magnetic resonance of superconducting $Pr_{0.88}LaCe_{0.12}CuO_{4-\delta}$
Shiliang Li, S. Chi, *Jun Zhao*, H.-H. Wen, M. B. Stone, J. W. Lynn, Pengcheng Dai
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55. Distinction between the normal-state gap and superconducting gap of electron-doped cuprates
L. Shan, Y. L. Wang, Y. Huang, S. L. Li, *Jun Zhao*, Pengcheng Dai and H. H. Wen
Phys. Rev. B 78, 014505 (2008)
56. Weak coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors
L. Shan, Y. Huang, Y. L. Wang, Shiliang Li, *Jun Zhao*, Pengcheng Dai, Y.Z. Zhang, C. Ren and H. H. Wen
Phys. Rev. B 77,014526(2008)
57. Spin excitations in the optimally electron-doped superconductor $Nd_{1.85}Ce_{0.15}CuO_4$
Jun Zhao, Pengcheng Dai, S. Li
Wuli 817-19 (2007)
58. Quantum spin correlations through the superconducting-normal phase transition in electron-doped superconducting $Pr_{0.88}LaCe_{0.12}CuO_{4-\delta}$
S.D. Wilson, S. Li, *Jun Zhao*, G. Mu, H.H. Wen, J. Lynn, P. G. Freeman, L. P. Regnault, K. Habicht, Pengcheng Dai
Proceedings of the National Academy of Sciences, 104 15259 (2007)
59. Neutron-spin resonance in optimally electron-doped superconductor $Nd_{1.85}Ce_{0.15}CuO_{4-\delta}$
Jun Zhao, Pengcheng Dai, S.L. Li, P. Freeman, Y. Onose, Y. Tokura
Phys. Rev. Lett. 99 017001 (2007)
60. Thermal treatment effect of the oxidized $La_2CuO_{4+\delta}$: The access of continuous and discontinuous T_c
L. H. Liu, LH, G. C. Che, *J. Zhao* and Z. X. Zhao
Physica C 425, 37 (2005)
61. Influence of magnetic field on thermal conductivity of $La_{2-x}Sr_xCuO_4$ single crystals
Jun Zhao, C.X. Shen, F. Zhou and J.W. Xiong (2005)
Acta Phys. Sinica 54, 3845 (2005)
62. Anomalies in low-temperature thermal conductivity of underdoped $La_{2-x}Sr_xCuO_4$ single crystals
Jun Zhao, C.X. Shen, F. Zhou, J.W. Xiong, L. H. Liu and Z. X. Zhao
Supercond. Sci. Technol. 18, 966 (2005)
63. Insulator-metal transition and magnetoresistance of $La_{0.5}Ca_{0.5}MnO_y$ induced by tuning the oxygen content
Y. Zhao, W. Cai, *Jun Zhao*, X. P. Zhang, R. Fan, B. S. Cao, M. H. Zhu, T. Wu, S.B. Ogale, S. R. Shinde, T. Venkatesan, Q. Y. Tu, T. K. Mandal and J. Gopalakrishnan
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64. Electrical transport and magnetic properties of $La_{0.5}Ca_{0.5}MnO_{3-y}$ with varying oxygen content
Y. Zhao, W. Cai, *Jun Zhao*, X. P. Zhang, B. S. Cao, M. H. Zhu, L. W. Zhang, S.B. Ogale, T. Wu, T. Venkatesan, L. Lu, T. K. Mandal and J. Gopalakrishnan
Phys. Rev. B 65, 144406 (2002)