

Jun Zhao (赵俊)

Physics Building S512
2205 Songhu Rd.
Fudan University, Shanghai 200438, China

Tel: +86-21-31249007
E-mail: zhaoj@fudan.edu.cn
Website: jzhao.fudan.edu.cn

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 教育部青年科学奖
2018 万人计划领军人才
2018 Sir Martin Wood China Prize
2018 中青年科技创新领军人才
2017 长江学者特聘教授
2014 复旦大学港爱赞助优异奖教金
2014 求是杰出青年学者奖
2013 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 $\text{La}_{1.675}\text{Eu}_{0.2}\text{Sr}_{0.125}\text{CuO}_4$
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 YFe_2Ge_2 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 KFe_2As_2 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 $\text{Lu}_{0.5}\text{Sc}_{0.5}\text{FeO}_3$
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 TmMgGaO_4
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 Li_{0.8}Fe_{0.2}ODFeSe
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 Cs₂Cr₃As₃ 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. #6, 044710 (2017)
17. Multiband one-dimensional electronic structure and spectroscopic signature of Tomonoga-Luttinger liquid behavior in K₂Cr₃As₃
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 (Li_{0.8}Fe_{0.2}OH)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-SQUIDpdf
Long 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 ZrTe₅
Xiang Yuan, Cheng Zhang, Yanwen Liu, Awadhesh Narayan, Chaoyu Song, Shoudong Shen, Xing Sui, Jie Xu, Haochi Yu, Zhenghua An, Jun Zhao, Stefano Sanvito, Huguen 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_xFeO₃
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 YFe₂Ge₂ 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 Cd₃As₂
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 K₂Cr₃As₃ 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 Cd₃As₂ 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, Shiyao 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_xAs₂
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}Se₂ ($T_N=280$ 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 LuFeO₃ 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)₂As₂
*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}Se₂
*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_xFe₂As₂ (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}Fe₂As₂ 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_xAs₂
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}As₂
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 $\text{BaFe}_{1.9}\text{Ni}_{0.04}\text{As}_2$ 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 $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$ 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 $\text{CeFeAsO}_{1-x}\text{F}_x$
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 $\text{CeFeAsO}_{1-x}\text{F}_x$ 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 , $\text{PrFeAsO}_{0.85}\text{F}_{0.15}$ and $\text{PrFeAsO}_{0.85}$
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 $\text{LaFeAsO}_{1-x}\text{F}_x$
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 $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_{4-\delta}$
Shiliang Li, S. Chi, *Jun Zhao*, H.-H. Wen, M. B. Stone, J. W. Lynn, Pengcheng Dai
Phys. Rev. B 78, 014520 (2008)
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 $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$
Jun Zhao, Pengcheng Dai, S. Li
Wuli 817-19 (2007)
58. Quantum spin correlations through the superconducting-normal phase transition in electron-doped superconducting $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_{4-\delta}$
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 $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-\delta}$
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 $\text{La}_2\text{CuO}_{4+\delta}$: The access of continuous and discontinuous T_c
L. H. Liu, L.H, G. C. Che, *J. Zhao* and Z. X. Zhao
Physica C 425, 37 (2005)
61. Influence of magnetic field on thermal conductivity of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ 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 $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ 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 $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_y$ 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
J. App. Phys. 92, 5391 (2002)
64. Electrical transport and magnetic properties of $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_{3-y}$ 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)