

# Xingfeng Si

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## RESEARCH INTERESTS

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Animal ecology, biodiversity, camera traps, conservation biology, farmland abandonment, habitat fragmentation, island biogeography, land reclamation, ornithology, wildlife monitoring

## POSITION

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2014– **Postdoctoral Research Associate.** College of Life Sciences, Zhejiang University

## EDUCATION

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2008–2014 **Ph.D.** in Ecology, Zhejiang University  
2012–2013 **Visiting Student** in Ecology, Duke University  
2004–2008 **B.S.** in Biology, Zhejiang Normal University

## AWARDS AND HONORS

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2014 **Poster Award of WERC National Conference**, Mammalogical Society of China  
2013 **Gold Award of the 9th Kingfisher Forum**, China Ornithological Society  
2012 **Award of Honor of the 1st Student Forum**, CLS Zhejiang University  
2011 **Graduate of Merit in 2010–2011**, Zhejiang University  
2011 **First-class Award of Honor for Graduate in 2010–2011**, Zhejiang University  
2011 **Gold Award of the 7th Kingfisher Forum**, China Ornithological Society  
2009 **Silver Award of the 5th Kingfisher Forum**, China Ornithological Society  
2008 **Ten Outstanding Research & Training Students**, Zhejiang Normal University  
2005 **Excellent Student Cadre in 2004–2005**, Zhejiang Normal University  
2005 **Second-class Scholarship in 2004–2005**, Zhejiang Normal University  
2005 **Excellent League Member in 2004**, Zhejiang Normal University

## GRANTS AND SCHOLARSHIPS

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2012–2013 **Joint-training Ph.D. Program**, China Scholarship Council. (Scholarship: ~21,000 USD)  
2008–2013 **Full Graduate Scholarship**, Zhejiang University. (Scholarship: ~12,000 USD)  
2006–2007 **Observations of the reproductive behavior of rodents**. Laboratory Open Program of Zhejiang Normal University. (Role: 1/3)

## Participated Projects (Selected)

- 2013–2017 **Effects of food webs and community compositions of birds and plants in subtropical fragmented habitats: a case study on land-bridge islands in Thousand Island Lake.** National Science Foundation of China. (Role: 4/8)
- 2012–2015 **Dynamic and stability of forest bird communities in fragmented habitats of Thousand Island Lake.** National Science Foundation of China. (Role: 6/10)
- 2012–2014 **Sensitivity researches on habitat fragmentation of birds and reptiles in Thousand Island Lake.** National Science Foundation of China. (Role: 5/8)
- 2012–2014 **Body size evolution and life history response of *Takydromus septentrionalis* on fragmented islands.** National Science Foundation of China. (Role: 3/7)
- 2010–2012 **Biodiversity census in Baishanzu National Nature Reserve (Plants, Mammals and Birds).** Baishanzu National Nature Reserve. (Role: fieldwork)
- 2009–2011 **Effects of habitat fragmentation on life history traits of birds in Thousand Island Lake.** National Science Foundation of China. (Role: fieldwork)
- 2009–2010 **Wildlife resource census in Wuxijiang Wetland Park, Zhejiang.** Forestry Administration of Qujiang District. (Role: fieldwork)
- 2008–2011 **Demonstration project of resource monitoring technology for forest birds.** Special Topic of National Key Technology R & D Program of China. (Role: 3/5)
- 2008–2008 **Wildlife resource census in Hongshuang Nature Reserve, Rui'an.** Forestry Administration of Rui'an City. (Role: fieldwork)
- 2007–2009 **Effects of habitat fragmentation on species diversity and community compositions of birds in Thousand Island Lake.** National Science Foundation of China. (Role: fieldwork)

## PUBLICATIONS <sup>†</sup>in Chinese (with English abstract)

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### Peer-reviewed Journal Articles

5. Si X, Pimm SL, Russell GJ, Ding P. (2014) Turnover of breeding bird communities on islands in an inundated lake. *Journal of Biogeography* 41: 2283–2292.
4. Si X, Kays R, Ding P. (2014) How long is enough to detect terrestrial animals? Estimating the minimum trapping effort on camera traps. *PeerJ* 2: e374.
3. <sup>†</sup>Si X, Ding P. (2014) Camera trap survey of population dynamics of mammals and birds in Gutianshan Forest Dynamics Plot, eastern China. *Biodiversity Science* 22: 819–822.
2. <sup>†</sup>Xu A, Si X, Wang Y, Ding P. (2014) Camera traps and its minimum trapping effort for ground-dwelling mammals in fragmented habitats in the Thousand Island Lake, Zhejiang Province. *Biodiversity Science* 22: 764–772.
1. <sup>†</sup>Si X, Ding P. (2011) History, status of monitoring land birds in Europe and American and countermeasures of China. *Biodiversity Science* 19: 303–310.

### Other Professional Publications

3. <sup>†</sup>Si X. (2014) *Species Turnover and Beta Diversity of Breeding Bird Communities in Fragmented Habitats*. Ph.D. thesis, Zhejiang University, Hangzhou.
2. Si X, Ding P. (2014) Turnover of breeding birds on land-bridge islands. *Newsletter of China Ornithological Society* 23(1): 30.

1. <sup>†</sup>Zhang L, Bao Y, Li H, **Si X**, Hu S. (2008) The functional groups and trophic levels of soil macro-fauna in different vegetation types, Beishan Mountain, Jinhua. In: *Proceedings of the 8th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Jinhua, China 2008*: 257–267.

## Popular Articles and Other Publications

3. <sup>†</sup>**Si X**. (2014) Dry Tortugas National Park — Home of the sooty tern. *China Nature* 180(6): 76–81.
2. <sup>†</sup>**Si X**. (2014) Apply for the China Scholarship Council fund. *China Postgraduates* 117(9): 58–59.
1. <sup>†</sup>**Si X**. (2014) How to track the latest references. *China Postgraduates* 114(6): 32–33.

## PRESENTATIONS

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### Oral Presentations

14. **Si X**, Ding P. (2014) Turnover of breeding bird communities in Thousand Island Lake. *The 17th National Conference of the China Zoological Society, Guangzhou, China*
13. **Si X**, Ding P. (2014) Minimum trapping efforts on camera traps. *The 10th National Conference on Wildlife Ecology and Resource Conservation, Guilin, China*
12. **Si X**, Ding P. (2014) Biodiversity monitoring using camera traps. *The 6th Symposium of Biodiversity Conservation and Sustainable Development in Zhejiang, Zhoushan, China*
11. **Si X**, Pimm SL, Russell GJ, Ding P. (2014) Turnover of breeding bird communities on islands of an inundated lake. Institute of Botany, Chinese Academy of Sciences, Beijing, China. (Invited talk)
10. **Si X**, Ding P. (2014) Turnover of breeding bird communities on land-bridge islands. *The 3rd Forum of Zhejiang Scholars on Zoology, Lishui, China*
9. **Si X**, Ding P. (2014) Species turnover of bird communities on land-bridge islands in Thousand Island Lake, eastern China. *The 6th EAFES International Congress, Haikou, China*
8. **Si X**, Pimm SL, Russell GJ, Ding P. (2013) Determinants of colonization-extinction dynamics of breeding bird communities on land-bridge islands. *The 12th China Ornithological Congress and the 9th Kingfisher Forum of Chinese Young Ornithologists Workshop, Hangzhou, China*
7. **Si X**. (2012) Biodiversity research in the Thousand Island Lake region. *The Pimm Group at Duke University, Durham, North Carolina, USA*
6. **Si X**. (2012) Introduction to camera traps. *Undergraduate Summer Zoology Field Practice, Thousand Island Lake, China*
5. **Si X**, Ding P. (2011) Minimum trapping effort of monitoring ground-activity animals using camera traps: a case study in Gutianshan National Nature Reserve. *The 7th Kingfisher Forum of Chinese Young Ornithologists Workshop, Lanzhou, China*
4. **Si X**, Ding P. (2010) Monitoring ground-activity birds using camera trapping in Gutianshan 24-ha plot. *The 9th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Xiamen, China*
3. **Si X**, Ding P. (2010) Bird monitoring in Gutianshan 24-ha plot: using spot mapping and infrared cameras. *The 2010 International Forum on Biodiversity Monitoring, Nanjing, China*
2. **Si X**, Shen G, Ding P. (2009) Basic results of monitoring bird communities in Gutianshan 24-ha plot. *The 3rd Cross-strait Symposium on Forest Dynamic Plots, Zhaoqing, China*

1. **Si X**, Ding P. (2009) Bird community structures in Gutianshan dynamic monitoring plot. *The 5th Kingfisher Forum of Chinese Young Ornithologists Workshop*, Harbin, China

## Poster Presentations

6. **Si X**, Baselga A, Ding P. (2015) Partitioning beta diversity into turnover and nestedness components in assemblages of breeding birds and lizards on inundated land-bridge islands. *The 7th Biennial Conference of the International Biogeography Society*, Bayreuth, Germany. (with lightning talk)
5. **Si X**, Pimm SL, Russell GJ, Ding P. (2014) Breeding bird turnover on land-bridge islands. *The 10th National Conference on Wildlife Ecology and Resource Conservation*, Guilin, China
4. **Si X**, Pimm SL, Russell GJ, Ding P. (2014) Breeding bird turnover on land-bridge islands. *The 26th International Ornithological Congress*, Tokyo, Japan
3. **Si X**, Ding P. (2014) Wildlife monitoring using camera traps in Gutianshan National Nature Reserve, Zhejiang. *The 1st Symposium of Wildlife Biodiversity Monitoring on Camera Traps*, Beijing, China
2. **Si X**, Ding P. (2012) How long is enough to monitor ground-dwelling animals? A case study of minimum trapping effort in Gutianshan National Nature Reserve, eastern China. *The 1st Student Forum on Sci-Tech Innovation of College of Life Sciences at Zhejiang University*, Hangzhou, China
1. **Si X**, Ding P. (2012) How long is enough to monitor ground-dwelling animals? A case study of minimum trapping effort in Gutianshan National Nature Reserve, eastern China. *The 13th Student Conference on Conservation Science*, Cambridge, UK

## TEACHING EXPERIENCE

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- **Teaching Assistant.** *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve, China: 2009, 2010, 2012, 2014

## SPECIALIZED TRAINING

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- 2014 **The 2nd International Training Course on Frontier in Animal Ecology and Conservation Biology.** Organized by SCB-China, ISZS and IOZ CAS, 2014.11.22–12.01, Beijing, China
- 2014 **Functional and Phylogenetic Diversity.** Nathan Swensson (Michigan State University), 2014.09.28–29, Beijing, China
- 2013 **Metapopulation Capacity Analyses (Mathematica v9).** Gareth Russell (New Jersey Institute of Technology), 2013.01.28–30, Durham, North Carolina, USA
- 2013 **Survival Rate Analyses and Banding Training of the Sooty Tern *Onychoprion fuscatus*.** Stuart Pimm (Duke University), 2013.3.11–14, Dry Tortugas, Florida, USA
- 2010 **Wildness First Aid.** Lloyd Figgins (EarthWatch Institute), 2010.10.07–10, Kaihua, China
- 2009 **Spatial Analysis Biostatistics.** Pierre Legendre (Université de Montréal), 2009.10.01–05, Beijing, China
- 2009 **Linear Regression.** Pierre Legendre (Université de Montréal), 2009.09.10–15, Beijing, China
- 2009 **Mathematical Statistics, R Programming Language and Multivariate Statistical Analyses.** Jiangshan Lai, Jinlong Zhang (Institute of Botany, Chinese Academic of Science), Yanping Chen (Renmin University of China), 2009.09.05–09, Beijing, China

## PARTICIPATION IN SCIENTIFIC CONFERENCES (SELECTED)

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- 2015 Biennial Conference of the International Biogeography Society, Bayreuth, Germany
- 2014 International Ornithological Congress, Tokyo, Japan
- 2014 EAFES International Congress, Haikou, China
- 2013 International Congress on Conservation Biology, Baltimore, Maryland, USA
- 2012 Student Conference on Conservation Science, Cambridge, UK
- 2011 Symposium for Theoretical Ecology and Biodiversity, Guangzhou, China
- 2010 The 2010 International Forum on Biodiversity Monitoring, Nanjing, China
- National Conference of the China Zoological Society: 2014(Guangzhou)
  - National Conference on Wildlife Ecology and Resource Conservation: 2011(Jinhua), 2014(Guilin)
  - China Ornithological Congress: 2009(Harbin), 2011(Lanzhou), 2013(Hangzhou)
  - Cross-strait Symposium on Forest Dynamic Plots: 2009(Zhaoqing), 2010(Xiamen)
  - National Symposium on the Conservation and Sustainable Use of Biodiversity in China: 2008(Jinhua), 2010(Xiamen)
  - Kingfisher Forum of Chinese Young Ornithologists Workshop: 2008(Beijing), 2009(Harbin), 2011(Lanzhou), 2013(Hangzhou)

## PROFESSIONAL AFFILIATIONS

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- Member International Biogeography Society, Society for Conservation Biology, International Society of Zoological Sciences, China Ornithological Society, Ecological Society of Zhejiang Province, Zhejiang Zoological Society

## SYNERGISTIC ACTIVITIES

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- 2013 **Assistant Conference Organizer.** The 9th Kingfisher Forum of Chinese Young Ornithologists Workshop, Hangzhou, China
- 2013 **Volunteer.** Sooty Tern (*Onychoprion fuscatus*) Project of US National Park Service, Dry Tortugas, Florida, USA
- 2011 **Invited Guest.** Chuyang Forum of Zhejiang Normal University, Jinhua, China
- 2011 **Invited Report.** Yiting High School, Yiwu, China
- 2008 **Beijing Olympic Torch Escort.** Beijing Olympic Torch Relay Center, Shaoxing, China
- 2006–2007 **Deputy Director.** The Secretariat of Student Council of Chuyang Honors College at Zhejiang Normal University, Jinhua, China
- 2004 **Student Representative.** The 2004 Graduation Ceremony of Yiting High School, Yiwu, China

## COMPUTER SKILLS

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- Statistical R, Mathematica, WinBUGS
- Others L<sup>A</sup>T<sub>E</sub>X, Adobe Photoshop, MS Office Suite, EndNote, OS X iWork

## LANGUAGES AND OTHERS

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Language English (Fluent), Mandarin (Excellent), Wu Chinese (Native)  
Field skill Wilderness First Aid (Level 2)  
Running Marathon (4:51:44)

## PROFESSIONAL REFERENCES

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**Ping Ding**, Professor

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