

# Xingfeng Si

## *Curriculum Vitae*

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### CONTACTS

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### EDUCATION

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

### AWARDS and HONORS

2013 **Gold Awards of the 9th Kingfisher Forum**, China Ornithological Society  
2012 **State Scholarship Fund**, China Scholarship Council  
2012 **Honorable Awards of the 1st Student Forum**, CLS Zhejiang University  
2011 **Merit Graduated Student in 2010–2011**, Zhejiang University  
2011 **Honors of First-class Scholarship in 2010–2011**, Zhejiang University  
2011 **Gold Awards of the 7th Kingfisher Forum**, China Ornithological Society  
2009 **Silver Awards 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

### RESEARCH INTERESTS

Animal ecology, biodiversity, camera traps, conservation biology, habitat fragmentation, island biogeography, landscape ecology, ornithology, wildlife management

### GRANTS

#### *Principal Investigator*

2006–2007 **Observation and study of reproductive behavior of rodents**. Laboratory Open Program of Zhejiang Normal University. (Role: 1/3)

#### *Participant*

2013–2017 **Effects of food web and its composition on bird and plant communities in subtropical fragmented habitats: a case study of land-bridge islands in Thousand Island Lake**. National Science Foundation of China. (Role: 4/8)  
2012–2015 **Dynamic and Stability of forest bird community in fragmented habitats of Thousand Island Lake**. National Science Foundation of China. (Role: 6/10)

- 2012–2014 **Sensitivity research on habitat fragmentation of birds and reptiles in Thousand Island Lake.** National Science Foundation of China. (Role: 5/8)
- 2012–2014 **Body size evolution of island population of *Takydromus septentrionalis* and its responses on life history.** National Science Foundation of China. (Role: 3/7)
- 2012–2012 **Conservation project of *Leucopsar rothschildi* in Indonesia.** Ministry of Science and Technology of China. (Role: 14/23)
- 2010–2012 **Biodiversity census in Baishanzu National Nature Reserve (Plants, Mammals and Birds).** Baishanzu National Nature Reserve
- 2009–2011 **The effects of habitat fragmentation on life history traits of birds in Thousand Island Lake.** National Science Foundation of China
- 2009–2010 **Wild animal resource census in Wuxijiang Wetland Park, Zhejiang.** Forestry Administration of Qujiang District
- 2008–2011 **Resource monitoring technology and demonstration of forest bird species.** 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
- 2007–2009 **The effects of habitat fragmentation on diversity and community composition of birds in Thousand Island Lake.** National Science Foundation of China

## PUBLICATIONS

### *Peer-reviewed articles*

3. **Si X.**, Pimm S.L., Russell G.J. & Ding P. (2014) Turnover of breeding bird communities on islands of an inundated lake. *Journal of Biogeography*, *in press*.
2. **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.
1. **Si X.** & Ding P. (2011) History, status of monitoring land birds in Europe and American and counter-measures of China. *Biodiversity Science*, 19: 303–310.

### *Submitted, under revision or in preparation*

- Shen G., Pimm S.L., Feng C., Ren G., Liu Y., Xu W., Li J., **Si X.**, Su H. & Xie Z. Climate change challenges the static conservation strategy for the giant panda. *under revision*.
- **Si X.** *et al.* Partitioning beta diversity of bird communities on land-bridge islands challenges the conservation strategies in an inundated lake. *in preparation*.
- **Si X.** *et al.* Distributions of bird and lizard communities on land-bridge islands: decomposing taxonomic and functional beta diversity into their turnover and nestedness components. *in preparation*.

### *Popular articles and other publications*

2. **Si X.** (2014) How to track the latest references? *China Postgraduates*, 2014(6): 32–33.
1. Zhang L., Bao Y., Li H., **Si X.** & Hu S. (2008) The functional groups and trophic levels of soil macrofauna in different vegetation type, Beishan Mountain, Jinhua. *Proceedings of the 8th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Jinhua, China*, 257–267.

## PRESENTATIONS

### *Orals*

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 S.L., Russell G.J. & 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

#### Posters

3. **Si X.**, Pimm S.L., Russell G.J. & Ding P. (2014) Turnover of breeding bird communities on land-bridge islands: testing MacArthur & Wilson's theory. *The 26th International Ornithological Congress*, Tokyo, Japan
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

- 2012 **Teaching Assistant.** *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve and Thousand Island Lake, Zhejiang Province, China
- 2009, 10 **Teaching Assistant.** *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve, Zhejiang Province, China

## PROFESSIONAL AFFILIATIONS

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

## PARTICIPATION in SCIENTIFIC CONFERENCES (Selected)

- 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 on Wildlife Ecology and Resource Conservation: 2011(Jinhua)
  - 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)

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## SYNERGISTIC ACTIVITIES

- 2013 **Local Conference Organizer.** The 9th Kingfisher Forum of Chinese Young Ornithologists Workshop, Hangzhou, China
- 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 of Zhejiang Normal University, Jinhua, China
- 2004 **Student Representative.** The 2004 Graduation Ceremony of Yiting High School, Yiwu, China

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## COMPUTER SKILLS

- Advanced R, MS Office, Photoshop
- Intermediate L<sup>A</sup>T<sub>E</sub>X, Mathematica, OS X iWork, WordPress

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## LANGUAGES and OTHERS

- Language English (Fluent); Chinese (Native)
- Field Skill Wilderness First Aid (Level 2)
- Running Full Marathon (4h51min)