

Xingfeng Si

Curriculum Vitae

Contacts

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Address 441A College of Life Sciences, Zhejiang University, Hangzhou 310058, China

Education

- 2008– **PhD Student**, *Ecology*, Zhejiang University, China.
Adviser: PING DING
- 2012–2013 **Visiting Student**, *Ecology*, Duke University, USA.
Adviser: STUART PIMM
- 2004–2008 **B. S.**, *Biology*, Zhejiang Normal University, China.
Adviser: YIXIN BAO

Awards & 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

Research Projects

Directed Projects

- 2006–2007 *Observation and Study of Reproductive Behavior of Rodents*. **Laboratory Open Program of Zhejiang Normal University**. (Project Director, 1/3)

Participated Projects

- 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**. (Core Participant, 4/8)
- 2012–2015 *Dynamic and Stability of forest bird community in fragmented habitats of Thousand Island Lake*. **National Science Foundation of China**. (Participant, 6/10)
- 2012–2014 *Sensitivity research on habitat fragmentation of birds and reptiles in Thousand Island Lake*. **National Science Foundation of China**. (Participant, 5/8)
- 2012–2014 *Body size evolution of island population of *Takydromus septentrionalis* and its responses on life history*. **National Science Foundation of China**. (Participant, 3/7)
- 2012–2012 *Conservation project of *Leucopsar rothschildi* in Indonesia*. **Ministry of Science and Technology of China**. (Participant, 14/23)
- 2010–2012 *Biodiversity census in Baishanzu National Nature Reserve (Plants, Mammals and Birds)*. **Baishanzu National Nature Reserve**. (Core Participant)
- 2009–2011 *The effects of habitat fragmentation on life history traits of birds in Thousand Island Lake*. **National Science Foundation of China**. (Participant)
- 2009–2010 *Wild Animal Resource Census in Wuxijiang Wetland Park, Zhejiang*. **Forestry Administration of Qujiang District**. (Core Participant)
- 2008–2011 *Resource Monitoring Technology and Demonstration of Forest Bird Species*. **Special Topic of National Key Technology R&D Program of China**. (First Participant, 3/5)
- 2008 *Wildlife Resource Census in Hongshuang Nature Reserve, Rui'an*. **Forestry Administration of Rui'an City**. (Core Participant)
- 2007–2009 *The effects of habitat fragmentation on diversity and community composition of birds in Thousand Island Lake*. **National Science Foundation of China**. (Participant)

Publications

Peer Reviewed

- [2] **Xingfeng Si**, Roland Kays & Ping Ding. (2014) How long is enough to detect terrestrial animals? Estimate the minimum trapping effort on camera traps. *PeerJ*, accepted.
- [1] **Xingfeng Si** & Ping Ding. (2011) History, status of monitoring land birds in Europe and American and countermeasures of China. *Biodiversity Science*, 19: 303–310. (in Chinese with English abstract)
- **Xingfeng Si**, Stuart L. Pimm, Gareth J. Russell & Ping Ding. Turnover of breeding bird communities on islands of an inundated lake. *under revision*.

- Guozhen Shen, Stuart L. Pimm, Chaoyang Feng, Guofang Ren, Yangping Liu, Wenting Xu, Junqing Li, **Xingfeng Si**, Hongxin Su & Zongqiang Xie. Climate change challenges the static conservation strategy for the giant panda. *under revision*.
- **Xingfeng Si**, *et al.* Partitioning beta diversity of bird communities on land-bridge islands challenges the conservation strategies in an inundated lake. *in prep*.

Non-peer Reviewed

- [9] **Xingfeng Si**, Stuart L. Pimm, Gareth J. Russell & Ping Ding. (2014) Turnover of breeding bird communities on land-bridge islands: testing MacArthur & Wilson's theory. *Proceedings of the 26th International Ornithological Congress*, 2014.08.18–24, pp. ××, Tokyo, Japan
- [8] **Xingfeng Si** & Ping Ding. (2014) Species turnover of bird communities on land-bridge islands in Thousand Island Lake, eastern China. *Proceedings of the 6th EAFES International Congress*, 2014.04.09–11, pp. 187, Haikou, China
- [7] **Xingfeng Si**, Stuart L. Pimm, Gareth J. Russell & Ping Ding. (2013) Turnover of breeding communities on land-bridge islands. *Proceedings of the 12th China Ornithological Congress and the 10th Cross-strait Ornithological Congress*, 2013.11.23–24, pp. 13, Hangzhou, China. (in Chinese)
- [6] **Xingfeng Si**. (2012) A case study of minimum trapping effort using camera traps in eastern China. Talks and Posters of the 13th Student Conference on Conservation Science, 2012.03.20–22, pp. 49, Cambridge, UK
- [5] **Xingfeng Si** & Ping Ding. (2011) Minimum trapping effort of monitoring ground-activity animals using camera traps: a case study in Gutianshan National Nature Reserve, eastern China. *Proceedings of the 7th National Conference on Wildlife Ecology and Resource Conservation*, 2011.10.28–31, pp. 132, Jinhua, China. (in Chinese)
- [4] **Xingfeng Si** & Ping Ding. (2010) Monitoring ground activity birds using camera trapping in Gutianshan 24-ha plot. *Proceedings of the 9th National Symposium on the Conservation and Sustainable Use of Biodiversity in China*, 2010.11.04–06, pp. 99–100, Xiamen, China
- [3] **Xingfeng Si** & Ping Ding. (2010) Bird monitoring in Gutianshan 24-ha plot: using spot mapping and infrared cameras. *Proceedings of the 2010 International Forum on Biodiversity Monitoring*, 2010.06.20–22, pp. 96, Nanjing, China. (in Chinese)
- [2] Meng Zhang, Ping Ding, Yanping Wang, **Xingfeng Si**, Zhifeng Ding & Jiji Sun. (2009) Effects of habitat fragmentation on the use of nest site resources by great tits in Thousand Island Lake, Zhejiang Province. *Proceedings of the 11th Congress of Zhejiang Zoological Society*, 2009.10.30–11.01, pp. 513, Jinhua, China. (in Chinese)
- [1] Longlong Zhang, Yixin Bao, Huanhuan Li, **Xingfeng Si** & Shuoying Hu. (2008) The functional groups and trophic levels of soil macro-fauna in different vegetation type, Beishan Mountain, Jinhua. *Proceedings of the 8th National Symposium on the Conservation and Sustainable Use of Biodiversity in China*, 2008.10.17–19, pp. 257–267, Jinhua, China. (in Chinese with English abstract)

Presentations

Oral Talks

- [9] **Xingfeng Si** & Ping Ding. (2014) Species turnover of bird communities on land-bridge islands in Thousand Island Lake, eastern China. *The 6th EAFES International Congress*, Haikou, China
- [8] **Xingfeng Si**, Stuart L. Pimm, Gareth J. Russell & Ping Ding. (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] **Xingfeng Si**. (2012) Biodiversity research in the Thousand Island Lake region. *The Pimm Group at Duke University*, Durham, NC USA
- [6] **Xingfeng Si**. (2012) Introduction to camera traps. *Undergraduate Summer Zoology Field Practice*, Thousand Island Lake, China
- [5] **Xingfeng Si** & Ping Ding. (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] **Xingfeng Si** & Ping Ding. (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] **Xingfeng Si** & Ping Ding. (2010) Bird monitoring in Gutianshan 24-ha plot: using spot mapping and infrared cameras. *The 2010 International Forum on Biodiversity Monitoring*, Nanjing, China
- [2] **Xingfeng Si**, Guochun Shen & Ping Ding. (2009) Basic results of monitoring of bird community in Gutianshan 24-ha plott. *The 3rd Cross-strait Symposium on Forest Dynamic Plots*, Zhaoqing, China
- [1] **Xingfeng Si** & Ping Ding. (2009) Bird community structures in Gutianshan dynamic monitoring plot. *The 5th Kingfisher Forum of Chinese Young Ornithologists Workshop*, Harbin, China

Posters

- [3] **Xingfeng Si**, Stuart L. Pimm, Gareth J. Russell & Ping Ding. (2014) Turnover of breeding bird communities on land-bridge islands: testing MacArthur & Wilson's theory. *The 26th International Ornithological Congress*, Tokyo, Japan
- [2] **Xingfeng Si** & Ping Ding. (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] **Xingfeng Si** & Ping Ding. (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.
- 2010 **Teaching Assistant**, *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve, Zhejiang Province, China.
- 2009 **Teaching Assistant**, *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve, Zhejiang Province, China.

Postgraduate Training

- 2013 **Metapopulation capacity analyses (Mathematica v9)**. GARETH RUSSELL (New Jersey Institute of Technology), 2013.01.28–30, Durham, NC USA
- 2013 **Survival rate analyses and banding training of the sooty tern *Onychoprion fuscatus***. STUART PIMM (Duke University), 2013.3.11–14, Dry Tortugas, FL 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

Professional Affiliations

- 2014– **Member**, International Biogeography Society
- 2013– **Member**, Society for Conservation Biology
- 2013– **Member**, Ecological Society of Zhejiang Province
- 2009– **Member**, China Ornithological Society
- 2008– **Member**, Zhejiang Zoological Society

Participation in Scientific Conferences & Symposiums

- 2014 The 26th International Ornithological Congress, Tokyo, Japan
- 2014 The 6th EAFES International Congress, Haikou, China
- 2013 The 12th China Ornithological Congress and the 10th Cross-strait Ornithological Congress, Hangzhou, China
- 2013 The 9th Kingfisher Forum of Chinese Young Ornithologists Workshop, Hangzhou, China
- 2013 The 26th International Congress on Conservation Biology, Baltimore, MD USA
- 2012 The 1st Student Forum on Sci-Tech Innovation of College of Life Sciences at Zhejiang University, Hangzhou, China

- 2012 The 13th Student Conference on Conservation Science, Cambridge, UK
- 2011 The 7th National Conference on Wildlife Ecology and Resource Conservation, Jinhua, China
- 2011 The 11th China Ornithological Congress, Lanzhou, China
- 2011 The 7th Kingfisher Forum of Chinese Young Ornithologists Workshop, Lanzhou, China
- 2011 Symposium for Theoretical Ecology and Biodiversity, Guangzhou, China
- 2010 The 9th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Xiamen, China
- 2010 The 4th Cross-strait Symposium on Forest Dynamic Plots, Xiamen, China
- 2010 The 2010 International Forum on Biodiversity Monitoring, Nanjing, China
- 2009 The 3rd Cross-strait Symposium on Forest Dynamic Plots, Zhaoqing, China
- 2009 The 11th Congress of Zhejiang Zoological Society, Jinhua, China
- 2009 The 10th China Ornithological Congress and the 8th Cross-strait Ornithological Congress, Harbin, China
- 2009 The 5th Kingfisher Forum of Chinese Young Ornithologists Workshop, Harbin, China
- 2008 The 8th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Jinhua, China
- 2008 The 4th Kingfisher Forum of Chinese Young Ornithologists Workshop, Beijing, China

Miscellaneous 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**, *Swearing Conference for College Entrance Exam of Yiting High School*, Yiwu, China.
- 2008 **Laureate**, *Ten Outstanding Research & Training Students of Zhejiang Normal University*, Jinhua, China.
- 2008 **Beijing Olympic Torch Escort**, *Beijing Olympic Torch Relay Center*, Shaoxing, China.
- 2006–2007 **Deputy Director**, *The Secretariat of Student Council*, Chuyang Honors College of Zhejiang Normal University, Jinhua, China.
- 2004 **Student Representative**, *Special talk in the 2004 Graduation Ceremony of Yiting High School*, Yiwu, China.

Computer Skills

- Advanced R, MS Office, Photoshop
- Intermediate L^AT_EX, OS X iWork, Markdown, EndNote, Google Earth
- Basic Mathematica, PHP, WordPress, CANOCO, WinBUGS

— Languages & Other Skills

Chinese	Native	<i>Fluent</i>
English	Intermediate	<i>Fluent reading, competent in conversation</i>
Field Skill	Good	<i>Wildness First Aid: Level 2</i>
Running	Excellent	<i>Full Marathon: 4h51min</i>