**Xiao Xiao**

School of Community Resources and Development

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**Education**

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| 2016 | Ph.D., Natural Resources, University of Vermont |
|  | Dissertation title: The role of transportation in expanding the democratic ideal of national parks |
| 2013 | M.S., Human Geography, Nanjing University |
| 2010 | B.A., Nanjing University, Tourism Management |

**Academic Appointments**

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| --- | --- |
| 2018-present | Assistant Professor, School of Community Resources and Development, HNU-ASU Joint International Tourism College (HAITC)  Arizona State University |
| 2018 | Postdoctoral Research Associate, Department of Parks, Recreation and Tourism Management  North Carolina State University. |
| 2017 | Postdoctoral Research Associate, Department of Geography,  University of South Carolina |

**Research**

**Google Scholar Metrics**

|  |  |  |
| --- | --- | --- |
|  | All | Since 2019 |
| Citations | 1362 | 1241 |
| h-index | 22 | 20 |
| i10-index | 32 | 28 |

**Refereed Journal Articles**

\*advised undergraduate students

1-year impact factors reported from 2022 Web of Science

A note on authorship order: In the field of park and recreation management, the first author contributes the most effort on peer-reviewed publications. Unlike other fields, the last author does not hold any special meaning.)

After employment at ASU (2018- present)

53. Huang, T., Jordan, E., Boley, B., Woosnam, K., **Xiao, X.**, Maruyama, N., Rojas C. (2024). Rebuilding international tourism after a pandemic: Using Hofstede's cultural dimensions to identify markets with lower pandemic-related travel risks. *Journal of Destination Marketing & Management*, 100855.

52. Zhong, S., Peng H., Li, P.\*, & **Xiao, X.** (2023). Poetry and the tourist being-in-the-world: connotations behind the Tang Poetry. *Current Issues in Tourism*, 1-20.

51. Cao X., Zhang H., Wang M.\*, Xiao, X & Yang, Y. (2023) Stay or travel? Spatial heterogeneity impact of air pollution on travel intention. *Current Issues in Tourism*, 1:14.

50. Li, P.\*, **Xiao, X.**, & Peng H. (2023). Visitors’ Perceived Crowding, Visual Attention, and COVID Infection Risks in National Parks: A Social Density Optimization Approach. *Leisure Sciences*, 1-23.

49. Zhuang, M., Zhang, H., Li, P., Shen, C., **Xiao, X.**, & Zhang, J. (2023). Connecting tourists to musical destinations: The role of musical geographical imagination and aesthetic responses in music tourism. *Tourism Management*, 104768

48. Lu, J., Huang, X., Kupfer J., **Xiao, X.**, Li, Z., Wei, H., Wang, S., & Zhu, L. (2023). Spatial, temporal, and social dynamics in visitation to US national parks: A big data approach *Tourism Management Perspectives*, 101143. (IF: 8.7)

47. **Xiao X.,** Li, P\*., & Seekamp E. (2023). Sustainable adaptation planning for cultural heritage in coastal tourism destinations under climate change: A mixed-paradigm of preservation and conservation optimization. *Journal of Travel Research*, 1-20. (IF: 8.933)

46. Li, P.\*, **Xiao, X.**, & Jordan, E. (2022). Tourists’ visual attention and stress intensity in nature-based tourism destinations: An eye-tracking study during the COVID-19 pandemic.*Journal of Travel Research*, 1-18. (IF: 8.933)

45. Zeng, Z., Chen, P-J., **Xiao, X.**, Liu, P. & Zhang, J. (2022). The mediating and moderating effects on the intention to use navigation apps. *Journal of Hospitality and Tourism Technology*. 13(5), 972-991. (IF: 5.576)

44. Gao, J., Zhang, Y., Chang, P-J., & **Xiao, X.** (2022). A mixed-methods study of the ways in which vacation factors impact tourists’ use of emotion regulation strategies. *Tourism Review International*, 26 (3), 289-306. (IF: N/A)

43. Lin, L., Liu, Q., **Xiao, X.**, Luo, Q. (2022). Perceived constraints on active recreational sport participation among residents in urban China. *Environmental Research and Public Health*, *19*, 14884. (IF: 4.614)

42. Zhang, Y., Cao, R., **Xiao, X.**, Wei, Z., Yang, J., Gao, Y. N., & Lu, S. (2022). How to coordinate the use and conservation of natural resources in protected areas: from the perspective of tourists' natural experiences and environmentally responsible behaviours. *Frontiers in Environmental Science*, 1944. (IF: 5.411)

41. **Xiao, X.**, Lee, K. & Larson, J. (2022). Who visits U.S. national parks? A national-wide investigation on visitors’ and non-visitors’ characteristics, perceived barriers, and vacation destinations. *Journal of Leisure Research*, *53*(3), 404-425. (IF: 2.888)

40. Boley, B., Jordan, E., Kyle. W., Maruyama, N., **Xiao, X.** & Rojas C. (2022). Buttressing social return’s influence on travel behavior. *Current Issues in Tourism*, 1-16. (IF: 7.578)

39. Guo, L., Li, P.\*, Zhang, J., **Xiao, X.**, & Peng, H. (2022). Do socio-economic factors matter? A comprehensive evaluation of tourism eco-efficiency determinants in China based on the geographical detector model. *Journal of Environmental Management*, 115812. (IF: 8.910)

38. Fan, X\*., Lu, J., Qiu, M. & **Xiao, X.** (2022). Changes in travel behaviors and intentions during the COVID-19 pandemic and recovery period: A case study of China. *Journal of Outdoor Recreation and Tourism*, 100522. (IF: 3.462)

37. Perry, E., **Xiao, X.**, Iretskaia, T., Li, P.\*, Manning R., Valliere, W. & Reigner N. (2022). A review of digitalization and sustainability in parks and recreation indicators and thresholds research. *Journal of Outdoor Recreation and Tourism****,*** 100550. (IF: 3.462)

36. Lu, Y., Zhang, J., Zhang, H., **Xiao, X.**, Liu, P., Liu W., Zhuang, M. & Hu, M. (2022). Flow in soundscape: Tourists' perception of soundscape in tourism destinations and its impact on flow experience. *Current Issues in Tourism*, *25*(13), 2090-2108. (IF: 7.578)

35. Li, P.\*, **Xiao X.**, & Seekamp, E. (2022). Climate adaptation planning for cultural heritages in coastal tourism destinations: A multi-objective optimization approach. *Tourism Management,*88, 104380. (IF: 12.879)

34. Gao, J., Yao, L., **Xiao, X.**, & Li, P.\*(2022). Recover from failure: Examining the impact of service recovery stages on relationship marketing strategies. *Frontiers in Psychology*, 13, 852306. (IF: 4.232)

33. Lu, J., **Xiao, X.**, Xu, Z., Zhou, Y., Wang, C., & Zhang, M. (2022). The potential of virtual tourism in recovery of tourism industry during the pandemic. *Current Issues in Tourism****,*** 25(3), 441-457. (IF: 7.578)

32. **Xiao, X.**, Gao, J., Lu, J., Li, P.\* & Zhang Y. (2021). Social carrying capacity and emotion dynamics in urban national parks during the COVID-19 pandemic. *Journal of Outdoor Recreation and Tourism*, 100451. (IF: 3.462)

31. Xu, C., Zong, S., Li, P.\*, & **Xiao, X.** (2021). Tourist memory and childhood landscape. *Journal of Tourism and Cultural Change*, 1-21. (IF: 1.967)

30. **Xiao, X.**, Seekamp, E., Lu, J., Eaton, M. & Post van der Burg, M. (2021). Optimizing historical conservation for multiple types of cultural resources under climate change. *Landscape and Urban Planning*, 214, 104165. (IF: 8.119)

29. Tian, Y., Zhang, H., **Xiao, X.**, Wei, G., & Cao, X. (2021). Measuring perceived risk in sharing economy: A classical test theory and item response theory approach. *International Journal of Hospitality Management*, 96, 102980. (IF: 10.427)

28. Perry E., **Xiao X.**, Nettle J., Iretskaia T. & Manning, E. (2021). Park visitors’ place attachment and climate change-related displacement: Potential shifts in who, where, and when. *Environmental Management*, 68, 73-86. (IF: 3.644)

27. **Xiao, X.**, Zhang, J., Lu, J., Li, L., Zhang, H. & Riungu, G. (2021). Distance decay of place attachment and perceived authenticity of mountain tourism destinations in china. *Journal of Mountain Science****,*** *18*(1):194-204. (IF: 2.371)

26. Wang, M\*., Jin, Z\*., Fan, S\*., Ju, X. & **Xiao, X.** (2021). Chinese residents’ preferences and consuming intentions for hotels after COVID-19 pandemic: a theory of planned behaviour approach. *Anatolia*, *32*(1), 132-135.

25. **Xiao, X.**, Perry, E., Gao, J., Lu, J. & Manning, R. (2020). Winter tourism and climate change: Exploring local and non-local snowmobilers’ perceptions of climate change and adaptation behaviors***.*** *Journal of Outdoor Recreation and Tourism*, *31*(9), 100299. (IF: 3.462)

24. Wang, C., Zhang, J., **Xiao, X.**, Sun, F., Xiao, M. & Shi, Q. (2020). Examining the dimensions and mechanisms of tourists’ environmental behavior: A theory of planned behavior approach. *Journal of Cleaner Production*, 273, 123007. (IF: 11.072)

23. Zhang, Y., **Xiao, X.**, Cao, R., Zheng, C., Guo, Y., Gong, W. & Wei, Z. (2020). How important is community participation to eco-environmental conservation in protected areas? From the perspective of predicting locals' pro-environmental behaviours. *Science of the Total Environment, 739*, 139889. (IF: 10.753)

22. Zhuang, M., Zhang, J., **Xiao, X.**, Qiu M., Lu Y. Zhang H., Tseng T., Zuo L. & Hu, M. (2020). How destination music affects tourists’ behaviors: Travel with music in Lijiang, China. *Asia Pacific Journal of Tourism Research,* 25(2): 131-144. (IF: 4.074)

21. Zhang, Y., **Xiao X.**, Zheng, C. Xue, L., & Guo, Y. (2020). Is tourism participation in protected areas the best livelihood strategy from the perspective of community development and environmental protection? *Journal of Sustainable Tourism*, *28*(4), 587-605. (IF: 9.470)

20. **Xiao, X.**, Lu J., Manning R. & Reigner N. (2019). Defining and monitoring the quality of shared-use transportation facilities in parks and recreation areas: Integrating levels of service and indicators and standards of quality. *International Journal of Sustainable Transportation*, *13*(9), 692-702. (IF: 3.963)

19. **Xiao, X.**, Seekamp, E., Post, M., Eaton, E., Fatoric, S. & McCreary A. (2019). Optimizing historic preservation under climate change: Decision support for cultural resource adaptation planning in national parks. *Land Use Policy*, 83, 379-389. (IF: 6.189)

18. **Xiao, X.**, Lu, J., Gao, P., Riungu, G. & Wang, M.\* (2019). Traffic safety on Acadia national park roadways. *Journal of Park and Recreation Management*, *37*(4), 1-12.

17. Chen, Y., Liu, P., Zhang, J. & **Xiao, X.** (2019). Falling in love with a place because of a song: the transportation effects of music on place attachment. *Asia Pacific Journal of Tourism Research*, *24*(9), 882-893. (IF: 4.074)

16. **Xiao, X.,** Manning, R., Perry, E. & Valliere, W. (2018). Public awareness of and visitation to National Parks by racial/ethnic minorities. *Society and Natural Resources*, *31*(8), 908-924. (IF: 3.024)

15. **Xiao, X.,** Aultman-Hall., L, Manning, R. & Voight, B. (2018). The impact of spatial accessibility and perceived barriers on visitation to national parks. *Journal of Transport Geography*, 68, 205-214. (IF: 5.899)

14. **Xiao, X.,** Manning, R., Lawson, S., Valliere, W. & Krymkowski, D. (2018). Indicators for a transportation recreation opportunity spectrum in national parks. *Journal of Park and Recreation Administration*, *36*(1), 93-115.

13. Liu, P., **Xiao, X.**, Zhang, J., Wu, R. & Zhang H. (2018). Spatial configuration and online attention: A space syntax perspective. *Sustainability*, *10*(1): 221-235.

12. Perry E., Manning, R., **Xiao X**., Valliere W. & Reigner, N. (2018). Social climate change: the advancing extirpation of snowmobilers in Vermont. *Journal of Park and Recreation Management*, *36*(2): 31-51.

11. Perry E., Manning, R., **Xiao X**. & Valliere W. (2018). Multiple dimensions of adaptations to climate change by visitors to Vermont state parks. ***Journal of Park and Recreation Management***, *36*(2), 13-30.

10. Perry E., Kiewra L., Brooks, M., **Xiao X**. & Manning R. (2018). “Parknerships” for sustainable relevance: Perspectives from the San Francisco Bay area. *Sustainability*, *10*(5), 1-17. (IF: 3.889)

Before employment at ASU

9. Peng, H, Zhang, J. Lu, L, Tang G., Yan B., **Xiao X.** & Han Y. (2017). Eco-efficiency and its determinants at a tourism destination: A case study of Huangshan National Park, China. *Tourism Management*, *60*(6), 201-211. (IF: 12.879)

8. **Xiao, X.**, Perry, E., Manning, R., Krymkowski, D., Valliere, W. & Reigner, N. (2017). Effects of transportation on racial/ethnic diversity of national park visitors. *Leisure Sciences,* 39(2), 126-143. (IF: 5.008)

7. Perry, E.**, Xiao, X.** &Manning, R. (2015).Barrier or Bridge? The Role of Transportation in National Park Visitation by Racial and Ethnic Groups. *World Leisure Journal*, *57*(3), 1-12.

6. **Xiao, X.**, Zhang, J., Lu, J. & Yin, L. (2013). Assessing Recreational Value of Place Attachment Based on ITCM: A Case Study in Jiuzhaigou Scenic Area. *Geographical Research*, *32*(3), 570-579. (in Chinese)

5. Lu, J., Huang, X., Chen, Y. & **Xiao, X.** (2013). An Analysis on Spatiotemporal Changes of Carbon Footprint base on Energy Consumption in China. *Geographical Research*, *32*(5), 326-336. (in Chinese)

4. **Xiao, X.**, Ren, L., Zhang, J. & Lu, J. (2013). Analysis on the factors affecting tourists’ intention to revisit in suburban tourism destination—A case study of Nanjing Pearl Spring Tourist and Holiday Resort. *Areal Research and Development*, *32*(2), 148-153. (in Chinese)

3. **Xiao, X.**, Zhang, J., Lu, J., Zhong, S. & Yin, L. (2012). Analysis on spatial structure and scenarios of carbon dioxide emissions from tourism transportation. *Acta Ecologica Sinica*, *32*(23), 7540-7548. (in Chinese)

2. **Xiao, X.**, Zhang, J., Sun, S. & Zhu, J. (2012). Analysis on the factors affecting tourists’ sense of place to calligraphic landscape scenic: A case study of Thirteen Rock Inscriptions of Shimen in Hanzhong, Shanxi. *Human Geography, 27*(6), 130-136. (in Chinese)

1. **Xiao,** **X.**, Zhang, J. & Lu, J. (2012). The research on residents’ perception and identity to calligraphic landscape in Zunyi Red Tourism Commercial Street. *Progress in Geography*, *31*(8), 1080-1086. (in Chinese)

**Manuscripts Under Review (\*advised undergraduate students)**

**Xiao, X,** Li, P.\*, Lawson, S., & Pettebone D. More beyond visitation? A nationwide assessment of stewardship and engagement of US national parks with diverse population groups. Submitted to Society & Natural Resources in August, 2023

Li, P., Xiao, X., & Seekamp, E. Unveiling the complexity of visual attention and emotion: A multisensory perspective. Submitted to Annals of Tourism Research in December, 2013.

Li, P.\*, **Xiao, X.**, Jordan E. Coping with COVID- and crowding-related stress during the COVID-19 pandemic. Submitted to Tourism Management Perspectives, Revise & Revision decision received in December, 2023.

Lu, J. **Xiao, X.**, Huang, X., Chuai, X., Li, Z., Wei, H., Wang, S. The COVID-19 pandemic altered human behaviors to access urban parks and exacerbated related social inequality in the U.S. Submitted to Cities, November, 2022.

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| **Books** |

Manning, R., Anderson., L., Budruk, M., Goonan K,, Hallo, J, Laven, D., Lawson, S., McCown, R., Minteer, B., Newman, P., Perry, E., Pettengill, P., Reigner, N., Valliere W., van Riper, C., & **Xiao, X.** (2022). Studies in Outdoor Recreation, 4th edition. Corvallis OR: Oregon State University Press (List of authors in alphabetical order by last name except Manning R.)

**Book Chapters (\*advised undergraduate students)**

**Xiao, X.** &Li, P.\*(2023). Leisure, tourism, and climate change. In Stodolska, M., Scott, D., & Liechty, T. (Eds), Leisure Matters: Exploring Leisure in a Changing World (pp. TBD). Urbana, IL: Sagamore-Venture Publishing.

Manning, R., **Xiao, X.**, Perry, E., & Reigner, P. (in press). A brief history of visitor use management. In M. T. J. Brownlee, W. Freimund, J. Hallo, Z. D. Miller, & R. L. Sharp (Eds.), Visitor use management in parks and protected areas: Traditions, approaches, and possibilities. (pp. TBD). Urbana, IL: Sagamore-Venture Publishing.

**Other Referred Publications**

Seekamp, E., Post van der Burg, M., Fatorić, S., Eaton, M., **Xiao, X.**, & McCreary, A. (2019). Optimizing Historic Preservation under Climate Change: An Overview of the OptiPres Model & Pilot Testing at Cape Lookout National Seashore. U.S. Department of Interior, United States Geological Survey Open-File Report 2018–1180, 46 p. <https://doi.org/10.3133/ofr20181180>.

Seekamp, E., **Xiao X.**, M. P. van der Burg, and M. Eaton. 2021. Testing the transferability of the optimal preservation model at Gulf Islands National Seashore. Natural Resource Report NPS/GUIS/NRR—2021/2303. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2287401>.

**Refereed Proceedings/Presentations** **(\*advised undergraduate students)**

Li, P., **Xiao, X.**, & Seekamp, E. (2022). Sustainable adaptation planning for cultural heritage in coastal tourism destinations under climate change. 2022 Annual Academic Conference of the Tourism Geography Committee of the Geographical Society of China, Guiyang, China, September, 2022.

Li, P.\*, **Xiao X.**, & Jordan E. (2022). Tourists’ visual attention and stress intensity under COVID-19 environmental stimuli: An eye-tracking study. Paper accepted to be presented in Annual International Conference of Travel and Tourism Research Association (TTRA), Victoria, British Columbia, Canada, June 14-16, 2022.

Li, P.\*, **Xiao X.**, & Jordan E. (2022). Tourists’ gazing behaviors and stress appraisals in national parks during the COVID-19 pandemic: A multi-sensory perspective. Paper accepted to be presented in Annual Meeting of Association of American Geographers (AAG), New York City, NY, 2022.

**Xiao X**. & Li, P. (2022). Social distancing and tourists' emotions in nature-based tourism destinations during the COVID-19 pandemic. Paper presented in Annual Meeting of Association of American Geographers (AAG), New York City, NY, 2022.

**Xiao, X.**, Li, P\*. & Seekamp, E. (2021). Examining the trade-offs of adaptation planning for cultural heritage in coastal tourism destinations: A machine learning approach. China Conference on Geography (CCG) 2021, Fuzhou, China, December, 2021.

Li, P.\*, **Xiao, X.** & Seekamp, E. (2021). Are the most vulnerable cultural resources prioritized? A framework for climate change adaptation budgeting and allocation in coastal tourism destinations. China Conference on Geography (CCG) 2021, Fuzhou, China, December, 2021.

**Xiao, X.**, Seekamp, E. & Li, P\*. (2021). Climate adaptation optimization for multi-type cultural heritages in national parks. Tourism Tribune China Tourism Research Annual Conference 2021, Shanghai, China, November, 2021.

Li, P.\*, **Xiao, X.** & Seekamp, E. (2021). Preserving cultural heritages under the changing climate: Future adaptations to resilience. Tourism Tribune China Tourism Research Annual Conference 2021, Shanghai, China, November, 2021.

**Xiao, X.,** Li, P.\*, & Seekamp E**.** (2021)**.** Climate adaptation planning for cultural heritages in coastal tourism destinations: A machine-learning approach. 2021Maritime Silk Road Conference, Haikou, China, November, 2021.

**Xiao, X.**, Gao, J. & Li, P.\* (2021). The dynamics of crowding and tourists’ emotions during the COVID-19 pandemic: A normative approach. Poster presented in the Annual International Conference of Travel and Tourism Research Association (TTRA), online, June, 2021.

Li, P.\*, **Xiao, X.** & Seekamp, E. (2021). Economic optimization of historcal preservation in national parks: Future transitions for climate change and cultural resources. Paper presented in the Annual International Conference of Travel and Tourism Research Association (TTRA), online, June, 2021.

Li, P.\* & **Xiao, X.** (2021). Managing the quality of travelers’ experiences on transportation facilities in recreation area: A real-time monitoring approach. World Transport Convention, Xi’an, China, June, 2021.

Wang, M.\*, **Xiao, X.** (2021). A theory of planned behavior approach to examine Chinese residents’ preferences and consuming intentions for hotels after COVID-19 pandemic. Paper presented at Annual Meeting of Association of American Geographers (AAG), online, April, 2021.

Liu, Z.\*, **Xiao, X.**, Lu J. (2021). Examining the racial/ethnic groups subcultural differences in visitation to national parks. Paper presented at Annual Meeting of Association of American Geographers (AAG), online, April, 2021.

Ju, X., Wang M.\*, Liu Z.\*, **Xiao X.** (2021). Visual attention and perceived crowding in tourism destinations under the impact of COVID-19: An eye-tracking study. Paper presented at Annual Meeting of Association of American Geographers (AAG), online, April, 2021.

Li, P.\*, **Xiao, X.** & Seekamp, E. (2021). Historical-economic optimization of climate adaptation planning for historical resources: A multi-objective optimization approach. Southeast Environment and Recreation Research Conference (SERR), Asheville, NC, March, 2021.

**Xiao, X.,** Seekamp, E., Post van der Burg, M., & Eaton, M. (2020).Prioritizing climate adaptation decisions for historic preservation: A Pilot Study at Cape Lookout National Seashore to Test Optimization Model. Annual Meeting of American Geophysical Union, online, December, 2020.

**Xiao, X.,** Gao, J., Lu, J. & Manning R. (2020). How do snowmobilers perceive climate change? A study on winter tourist behaviors. Tourism Intelligence Forum’s (t-Forum) 3rd Global Conference, Algarve, Portugal, November, 2020.

**Xiao, X.**, Seekamp, E., Post, M., Eaton, E., Fatoric, S., McCreary A. (2019). Optimizing historic preservation under climate change: Decision support for cultural resource adaptation planning in national parks. Paper presented at National Environment and Recreation Research Symposium (NERR). Annapolis, MD, April, 2019.

**Xiao, X.**, Manning, R. (2018). Spatial accessibility, perceived barriers, and visitation to national parks. Paper presented at Southeast Recreation Research Symposium, Athens, GA, 2018.

**Xiao, X.**, Manning, R., Perry, E., Valliere, W. (2016). Factors Affecting Public Awareness of and Visitation to National Parks. Paper presented at Northeastern Recreation Research Symposium (NERR),Annapolis, MD, April, 2016.

**Xiao, X.,** Manning, R., Perry, E. (2015). The relationship between travel distance, transportation preferences and national park visitation for different racial/ethnic visitors. Paper presented at Association of American Geographers (AAG) Annual Meeting. Chicago, IL, April, 2015.

**Xiao, X.,** Perry, E., Manning, R. (2015). Expanding Transportation Recreation Opportunities for Diversity and Democracy: A Quantitative Measure for the Indicators of Transportation Recreation Opportunity Spectrum. Paper presented at *Northeastern Recreation Research Symposium (NERR),* Annapolis, MD, April 12-April 14, 2015.

**Xiao, X.,** Perry, E., Manning, R., Krymkowski, D., Valliere, W., Reigner, N. (2015). Effects of Transportation on Racial/ethnic Diversity of National Park Visitors. Paper presented at George Wright Society Biennial Conference on Parks, Protected Areas, and Cultural Sites. Oakland, CA, March, 2015.

**Xiao, X.**, Perry, E., Manning, R., Krymkowski, D., Valliere, W., Reigner, N. (2015). Role of Transportation in Visiting National Parks by Racial/Ethnic Minorities. Paper presented at Transportation Research Board 94th (TRB) Annual Meeting. Washington DC, January 11-15, 2015.

**Xiao, X.**, Reigner, N., Manning, R. (2014). Calibration performance measures for recreation and sustainable transportation in parks and on public lands. Paper presented at Conference on Transportation and Federal Lands: Enhancing Access, Mobility, Sustainability, and Connections, Washington, DC, September, 2014.

Perry, E., **Xiao, X**., Manning, R., Krymkowski, D. (2014). Bridge or barrier? The role of transportation in visiting national parks by racial/ethnic minorities. Paper presented at Transportation Research Board of the National Academy of Sciences Conference on Transportation and Federal Lands: Enhancing Access, Mobility, Sustainability, and Connections. Washington, DC, September, 2014.

**Xiao, X**., Zhang, J. (2014). The Formative Mechanism and Spatial Analysis of Visitors’ Sense of Place. Paper presented at Northeastern Recreation Research Symposium (NERR). Cooperstown, NY, April, 2014.

**Xiao, X.**, Reigner, N., Wimpey,J., Manning, R. (2014). Sustainable Transportation Planning for Rural, Recreational and Park Landscapes: Calibrating Levels of Service for Multiple Modes. Paper presented at GIS for Transportation Symposium (GIS-T). Burlington, VT, May, 2014.

Perry, E., **Xiao, X.**, Pierce, W., Manning, R., Valliere, W., Reigner, N. (2014). Bridge or Barrier? The Role of Transportation in Visiting National Parks by Racial/Ethnic Minorities. Poster presented at Fire Island National Seashore 9th Biennial Science Conference. Patchogue, YMCA. March, 2014.

**Grants (funded)**

Seekamp, E., **Xiao, X.**, & Eaton, M. (2022). Examining Diverse Management Objectives and Broadening Stakeholder Engagement for Climate Adaptation Planning of Historic Structures Stewarded by the National Park Service, funded by USGS, SE Climate Adaptation Science Center. ($399,052, sub-awarded to ASU $70,657).

**Xiao, X.** & Li, P. (2022). Developing a decision support tool to enhance climate resilience of coastal cultural resources stewarded by the National Park Service. Funded by Watts College of Public Services and Community Solutions, Arizona State University. ($14,800).

**Xiao, X.** & Lu, J., & Li, P. (2022-2024). Tourists’ emotions and regulation strategies to multi-sensory stimuli in national parks: An attention restoration perspective, submitted to Hainan Natural Science Foundation of China. Funded by Hainan Natural Science Foundation of China. (RMB 60,000, USD $9,500).

Seekamp, E., Eaton M., and **Xiao, X.** (2018-2021), Enhancing cultural resource adaptation planning in dynamic environments and assessing sediment budget research and information needs at Gulf Islands National Seashore. Funded by US Geological Survey. ($50,000, sub-awarded to ASU $13,928).

**Xiao, X.** (2021). Visual attention and perceived crowding in tourism destinations under the impact of COVID-19: An eye-tracking study. Funded by Institute of Social Science Research at Arizona State University. ($7,000).

**Xiao, X.** (2021). Perceived crowding and visitor use management in Hainan tourism destinations after COVID-19 pandemic: An eye-tracking study. Funded by Hainan Natural Science Foundation of China. ($7,300).

Budruk, M. and **Xiao, X.** (2020). Understanding Factors that Influence Environmental Conservation Support and Behaviors among Chinese visitors to Kenyan National Parks. Funded by Institute of Social Science Research at Arizona State University. ($8,000).

Seekamp, E., Eaton, M., van der Burg, M.P. and **Xiao, X.** (2017-2020). Assessing the transferability of a historic resources decision support model for optimized budget allocation and adaptation planning. Funded by National Park Service. ($194,000, sub-awarded to ASU $21,800).

**Xiao, X.** (2021). Calibration performance measures for recreation and sustainable transportation in parks and on public lands. Funded by Rubenstein School of Environment and Natural Resources, University of Vermont ($2,000).

**Grants (in progress or unfunded)**

Seekamp, E. & **Xiao, X.** (2023). Multiscale approaches and scalability within climate change--heritage risk assessments. Submitted to National Science Foundation ($400,000, sub-award to ASU $120,120, under review).

Xiao X. (2020). Perception and coping strategies of climate change and adaptation planning optimization for coastal tourism destinations: A machine-learning and mixed-methods approach. Submitted to National Natural Science Foundation of China ($42,000, unfunded)

Budruk M., **Xiao, X.**, Andereck K., Bricker K. & Wise N. (2022). Examining visitor experiences related to cave and karst resources at Carlsbad Caverns National Park and Timpanogos Cave National Monument. Submitted to National Park Service ($90,000, unfunded).

**Xiao, X.**, Wang, Q., & Li, P. (2022). A longitudinal approach to assess the stewardship and engagement of US national parks with diverse population groups, submitted to Institute of Social Science Research at Arizona State University ($8,000, unfunded)

Andereck, K., Wise N., **Xiao, X.**, Ferreira B. & Choe, Y. (2021). Ketchikan Gateway Borough Tourism Strategy, submitted to AK-Ketchikan: Ketchikan Gateway Borough. ($59,105, unfunded)

**Xiao, X.** (2021). Eye-tracking applications on event management and emotional regulations, submitted to the Ministry of Education in China ($7,000, unfunded).

**Xiao, X.** (2021). The indicators and standards of quality of visitors’ experiences and recreation opportunity spectrum in Chinese National Parks, submitted to National Natural Science Foundation of China ($35,000, unfunded).

Vogt, C., Budruk, M., **Xiao. X.**, Lu, J. and Choe Y. (2019). Adapting to Climate Change: Challenges and Opportunities for Visitor Management of Rocky Mountain National Park, submitted to National Park Service ($50,000, unfunded).

**Awards, Fellowships, and Recognitions**

April 2023. Anne Larason Schneider Faculty Endowment for Community Research. Awarded by Watts College of Public Service and Community Solutions.

September 2022, Outstanding Research Award for “Sustainable adaptation planning for cultural heritage in coastal tourism destinations under climate change,” coauthored with Peizhe Li, and Erin Seekamp. Annual Academic Conference of the Tourism Geography Committee of the Geographical Society of China, High Quality Synergy Between World Heritage Conservation and Ecotourism, 2022.

December 2021, Best Young Scholar Research Paper Award for “Measuring perceived risk in sharing economy: a classical test theory and item response theory approach”, coauthored with Yuan Tian, Honglei Zhang, Ge Wei, and Xianting Cao. 2021 Annual Conference of Jiangsu Tourism Research Association.

June 2021, Runner-up award for “Economic optimization of historic preservation in national parks: Future transitions for climate change and cultural resources”, coauthored with Peizhe Li and Erin Seekamp, Annual International Conference of Travel and Tourism Research Association.

May 2021, Best Paper of Asia Pacific Journal of Tourism Research of year 2020, “How destination music affects tourist’s behaviors: Travel with much in Lijiang, China”, co-authored with Zhuang Min, Jie Zhang, Qiu Mengyuan, Lu Youhai, Zhang Hui, Tseng Tz-Hsuan, Zuo Lin and Hu Meng.

Feb 2016, Chrysalis Graduate Award. Awarded by the Rubenstein School of Environment and Natural Resources, University of Vermont ($5,000).

Sep 2015, Donald H. DeHayes Multicultural Scholarship, Awarded by the Rubenstein School of Environment and Natural Resources, University of Vermont ($1,000).

April 2015, Outstanding Ph.D. Research and Scholarship, Awarded by Rubenstein School of Environment and Natural Resources, University of Vermont.

Jan 2015, GSS mini Grant, funded by the University of Vermont ($300).

Jan 2014, GSS mini Grant, Funded by the University of Vermont ($300).

Sep 2013, Outstanding Master Thesis Award of Jiangsu Province, Award by Jiangsu Province Office of Education, China.

June 2013, The Year of Student of School of Geographic and Oceanographic Sciences, Awarded by Nanjing University.

Dec 2012, The National Fellowship of Graduate Students, Awarded by the Ministry of Education of People’s Republic of China ($3,000).

Oct 2012, Excellent Graduate Student Scholarship, Awarded by Nanjing University.

Oct 2012, Dalugujia Graduate Student Scholarship, Awarded by Nanjing University.

June 2010, Zhiyin Resource Scholarship, Awarded by Nanjing University.

June 2009, Research Grant. Spatial Distribution Research of Self-driving visitors: a case study in Nanjing, Jiangsu Province, Funded by Nanjing University.

Nov 2008, Third Prize of Renming Scholarship, Awarded by Nanjing University.

**Teaching**

**Courses Taught**

2024 CRD 569 Advanced Studies in Tourism and Recreation

2023 TDM 402 Assessment & Evaluation of Community Services

2023 PRM 370 Public Lands Management

2023 PRM 203 Program Planning

2022 TDM 402 Assessment & Evaluation of Community Services

2022 PRM 203 Program Planning

2022 PRM 380 Wilderness & Parks in America

2021 PRM 203 Program Planning

2021 PRM 120 Leisure and Quality of Life

2021 PRM 380 Wilderness & Parks in America

2020 PRM 203 Program Planning

2020 Advanced Labs of GIS

2020 Fundamental Labs of GIS

2020 PRM 120 Leisure and Quality of Life

2020 PRM 380 Wilderness & Parks in America

2019 PRM 203 Program Planning

2019 PRM 120Leisure and Quality of Life

2019 PRM 304 Recreation Planning/Facility Development

2018 PRM 120 Leisure and Quality of Life

**Guest Lectures and Workshop Taught/Facilitated (\*Denotes invited)**

|  |  |  |
| --- | --- | --- |
| Spring 2022 | \*Managing outdoor recreation impact in national parks | Chinese National Park Administration |
| Spring 2022 | \*Climate change and outdoor recreation | San Jose State University |
| Spring 2021 | \*Recreation opportunity spectrum: Designs for diversity | Western Kentucky University |
| Fall 2021 | \*Quantitative analytics in tourism research | The Hong Kong Polytechnic University |
| Fall 2021 | \*Outdoor recreation management in mountain-based resorts | San Jose State University |
| Fall 2020 | \*Global digitalization applications in parks and recreation management | University of North Carolina, Wilmington |
| Fall 2020 | \*New Leisure Perspective: Leisure and Climate Change | TALS Global Relevance Committee |
| Spring 2019 | \*Teaching excellence by using Canvas | Hainan University |
| Spring 2019 | \*Distinguish Alumni Research Talk: Digitalizing historical preservation in national parks | Nanjing University |
| Fall 2019 | Professional development for PRM students | HAITC |
| Spring 2020 | Research Roadmap | HAITC |
| Fall 2018 | How to apply for graduate programs in the US | HAITC |
| Fall 2018 | Library access and research database at ASU | HAITC |

**Student Mentoring**

\*Denotes undergraduate students mentored, \*\*denotes graduate students mentored

1. Fall 2023, \*\*Peiya Niu, advisor of master’s thesis (expected graduation date May 2026).
2. Fall 2023, \*\*Yiqun Gui, committee member of master’s thesis (expected graduation date May 2023).
3. Fall 2021, \*\*Yanqu Zhen, committee member of Ph.D.’s dissertation (expected graduation date May 2025).
4. Fall 2023, \*\* Yang Zhan, committee member of master’s thesis (expected graduation date May 2023).
5. Fall 2021, \*\*Ziming Jin, committee member of master’s thesis (expected graduation date May 2023).
6. Fall 2021, \*\*Linlin Zhang, committee member of Ph.D.’s dissertation (Graduated).
7. Fall 2020, \*Peizhe Li, research advisor (Graduated).
8. Summer 2020, \*\*Kayla Mcchristy, Master Applied Project Advisor. (Graduated)
9. Fall 2020, \*\*Alexandra Smith, Master Applied Project Advisor. (Graduated)
10. Fall 2020, \*Yunjing Ning, \*Mengqing Wang, \*Mengqi Li, \*Yuwei Wang & \*Yunan Li, Undergraduate Thesis Advisor. (Graduated)
11. Fall 2020, \*Yan Wang, \*Ping Chen, \*Wenlu Yan, \*Yuchun Fang, \*Liuqun Liu, Undergraduate Thesis Advisor. (Graduated)
12. Spring 2020, \*Siqi Guan, **Mentor**, Map the System Competition. (Graduated)
13. Spring 2020, \*Zeru Tu, **Mentor**, World Heritage Preservation Competition. (Graduated)
14. Spring 2020, \*Xuecong Fan, **Mentor**, World Heritage Preservation Competition. (Graduated)
15. Fall 2018-Spring 2021, \*Mengqing Wang**, Research Advisor**.(Graduated)
16. Fall 2018- Spring 2021, \*Zimin Jin**, Research Advisor**.(Graduated)
17. Fall 2018- Spring 2021, \*Ping Chen**, Research Advisor**.(Graduated)
18. Fall 2018- Spring 2021, \*Zhewen Yang**, Research Advisor**.(Graduated)

**Service**

**Professional Service Roles**

October 2022-present, **associate editor,** *Tourism Management Perspectives*

August 2021- September 2022, **aspiring career editor,** *Tourism Management Perspectives*

January 2021- present, **associate editor**, *Society & Natural Resources*

January 2019-present, **editorial board member**, *Society & Natural Resources*

March 2018-present, **associate editor**, *Journal of Park and Recreation Administration*

September 2019-present, **advisory board member**, *Chinese Tourism Geography Association*

September 2019, **outstanding research paper award committee member**, Annual Meeting of National Park and Sustainable Tourism, Shanghai, China

**AD-HOC Peer Review**

Journal of Leisure Research

Journal of Sustainable Tourism

Science of the Total Environment

Environmental Science & Policy

Tourism Review International

Annals of Tourism Research

Asia Pacific Journal of Tourism Research

Leisure Sciences

Urban Ecosystem

Journal of Environmental Management

Journal of Environmental Planning and Management

International Journal of Consumer Studies

Travel Behavior and Society

Case Studies on Transportation Policy

Journal of Park and Recreation Administration

Society & Natural Resources

Journal of Destination Marketing and Management

**Unit Service**

Fall 2022, **Search Committee Member**, SCRD HAITC Lecturer Search Committee

Fall 2021, **Search Committee Co-Chair**, SCRD HAITC Lecturer Search Committee

Spring 2021, **Search Committee Member,** SCRD HAITC Director Search Committee.

Fall 2020-Spring 2021, SCRD library representative

Fall 2020-present, **Committee Member**, SCRD undergraduate standards and appeals committee.

Fall 2019-Spring 2020, **Search Committee Member**, SCRD HAITC lecturer search committee.

January 2019-January 2020, **Academic Director**, International Research Center of Sustainable Tourism, Hainan University-Arizona State University Joint International Tourism College.

March 2019-present, **Committee Member**, SCRD HAITC committee

September 2018-present, **Search Committee Member,** faculty search committee**,** Hainan University-Arizona State University Joint International Tourism College (HAITC).