

# 包寒吴霜

## Dr. BAO Han-Wu-Shuang (Bruce)

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### Employment

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**2022~2024**      *Postdoc Research Associate*  
Manchester China Institute, **The University of Manchester**      Manchester, UK  
(Supervisor: Prof. Peter Gries)  
英国曼彻斯特大学 · 曼彻斯特中国研究院 (博士后研究员)

### Education

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**2017~2022**      *Ph.D. in Personality and Social Psychology*  
Institute of Psychology, **Chinese Academy of Sciences**      Beijing, China  
(Supervisor: Prof. Huajian Cai)  
中国科学院 · 心理研究所 (理学博士)

**2013~2017**      *B.Sc. in Psychology*  
Faculty of Psychology, **Beijing Normal University**      Beijing, China  
北京师范大学 · 心理学部 (理学学士)

### Research Interests

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#### Computational Intelligent Social Psychology (计算智能社会心理学)

- Methodology Based on Natural Language Processing (NLP)
  - Word Embeddings
  - Large Language Models (LLM)
- Social Cognition and Cultural Psychology
  - Social Attitudes, Biases, and Stereotypes
  - Cultural Values, Practices, and Products
  - Names and Naming Behavior

## Publications

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\* Corresponding author

### Journal Articles in English (5):

- Bao, H.-W.-S.**, Lu, H., & Luo, Y. L. L.\* (in press). Do unique names fit people for creative work? Implications for job recruitment, name change, and product evaluation. *European Journal of Social Psychology*. [\[link\]](#)  
(IF<sub>2022</sub> = 3.9, SSCI Q2)
- Bao, H.-W.-S.**, Cai, H.\*, & Jing, Y. (in press). Understanding the rise of unique names: The emphasis on uniqueness matters. *Acta Psychologica Sinica* (心理学报).  
(IF<sub>2022</sub> = 1.5, ESCI, CSSCI) (Full text in English)
- Bao, H.-W.-S.**, Cai, H.\*, & Huang, Z. (2022). Discerning cultural shifts in China? Commentary on Hamamura et al. (2021). *American Psychologist*, 77(6), 786–788. [\[link\]](#)  
(IF<sub>2022</sub> = 16.4, SSCI Q1)
- Bao, H.-W.-S.**, Cai, H.\*, Jing, Y., & Wang, J. (2021). Novel evidence for the increasing prevalence of unique names in China: A reply to Ogiwara. *Frontiers in Psychology*, 12, Article 731244. [\[link\]](#)  
(IF<sub>2022</sub> = 3.8, SSCI Q1)
- Shi, Y., Luo, Y. L. L.\*, Yang, Z., Liu, Y., & **Bao, H.** (2018). Do narcissists enjoy visiting social networking sites? It depends on how adaptive they are. *Frontiers in Psychology*, 9, Article 1739. [\[link\]](#)  
(IF<sub>2022</sub> = 3.8, SSCI Q1)

### Journal Articles in Chinese (8):

- Zhang, M.-Y., Yang, Y., **Bao, H.-W.-S.**, & Cai, H.\* (in press). The positive ideal affect of Chinese people: Trends over the past decades. *Acta Psychologica Sinica*.  
[张明杨, 杨盈, 包寒吴霜, 蔡华俭\*. (印刷中). 中国人的积极理想情绪: 近几十年来的变迁. 心理学报.]
- Bao, H.-W.-S.**, Wang, Z.-X., Cheng, X., Su, Z., Yang, Y., Zhang, G.-Y., Wang, B., & Cai, H.\* (2023). Using word embeddings to investigate human psychology: Methods and applications. *Advances in Psychological Science*, 31(6), 887–904. [\[link\]](#) (CSSCI)  
[包寒吴霜, 王梓西, 程曦, 苏展, 杨盈, 张光耀, 王博, 蔡华俭\*. (2023). 基于词嵌入技术的心理学研究: 方法及应用. 心理科学进展, 31(6), 887–904.]
- Cai, H.\*, Zhang, M.-Y., **Bao, H.-W.-S.**, Zhu, H.-J., Yang, Z.-Y., Cheng, X., Huang, Z.-H., & Wang, Z.-X. (2023). Examining societal change from the perspective of psychology: Research design and analytic techniques. *Advances in Psychological Science*, 31(2), 159–172. [\[link\]](#) (CSSCI)  
[蔡华俭\*, 张明杨, 包寒吴霜, 朱慧珺, 杨紫嫣, 程曦, 黄梓航, 王梓西. (2023). 心理学视野下的社会变迁研究: 研究设计与分析方法. 心理科学进展, 31(2), 159–172.]
- Bao, H.-W.-S.**, & Cai, H.\* (2021). Psychological and behavioral effects of personal names in real world: Evidence and theories. *Advances in Psychological Science*, 29(6), 1067–1085. [\[link\]](#) (CSSCI)  
[包寒吴霜, 蔡华俭\*. (2021). 姓名对个体心理与行为的实际影响: 证据和理论. 心理科学进展, 29(6), 1067–1085. (中国人民大学复印报刊资料《心理学》2021年第10期全文转载)]

- Yang, Y., Zhu, H.-J., Zhou, W., Zhang, M.-Y., Xie, Y.-P., **Bao, H.-W.-S.**, Su, Z., Wang, X.-O., Jing, Y.-M., Yang, Z.-Y., & Cai, H.\* (2020). The behavioral immune system: A multi-level reconsideration. *Advances in Psychological Science*, 28(11), 1865–1879. [[link](#)] (CSSCI)  
[杨盈, 朱慧珺, 周婉, 张明杨, 谢怡萍, 包寒吴霜, 苏展, 王潇欧, 敬一鸣, 杨紫嫣, 蔡华俭\*. (2020). 行为免疫系统理论及其研究: 新视野下的再考察. *心理科学进展*, 28(11), 1865–1879.]
- Bao, H.-W.-S.**, Cai, H., & Luo, Y.\* (2019). Identity motives: Concept, measurement, and psychological effects. *Journal of Psychological Science*, 42(4), 971–977. [[link](#)] (CSSCI)  
[包寒吴霜, 蔡华俭, 罗宇\*. (2019). 身份认同动机: 概念、测量与心理效应. *心理科学*, 42(4), 971–977.]
- Bao, H.-W.-S.**, Wu, S.-T.\*, Zheng, H., Lu, H.-R., Zheng, W., Dai, W., Lu, S., & Zhu, T.-S.\* (2018). Polluted self: A big-data analysis based on daily-level air pollution and individualism-collectivism on social media. *Community Psychology Research*, 6(2), 71–85.  
[包寒吴霜, 吴胜涛\*, 郑昊, 陆海蓉, 郑伟, 戴炜, 陆梭, 朱廷劭\*. (2018). 雾霾下的自我: 空气污染与个体主义-集体主义的大数据分析. *社区心理学研究*, 6(2), 71–85.]
- Bao, H.-W.-S.**, Chen, J.-L., Lin, J.-L., & Liu, L.\* (2016). Effects of name and gender on interpersonal attraction: Gender role evaluation as a mediator. *Chinese Journal of Clinical Psychology*, 24(4), 596–600. [[link](#)] (CSSCI)  
[包寒吴霜, 陈俊霖, 林俊利, 刘力\*. (2016). 名字与性别的人际吸引机制: 性别角色评价的中介作用. *中国临床心理学杂志*, 24(4), 596–600.]

### **Newspaper Articles (1):**

- Bao, H.-W.-S.**, & Cai, H.\* (2021, March 4). Improve the reliability of psychological research on names. *Chinese Social Sciences Today*. [[link](#)]  
[包寒吴霜, 蔡华俭\*. (2021-03-04). 提高姓名心理学研究的可靠程度. *中国社会科学报*, 2118.]

### **Conference Presentations (3):**

- Bao, H.-W.-S.**, & Cai, H.\* (2020, December). *Chinese names are becoming more unique over time: New evidence and mechanisms*. Paper presented at the 2020 Annual Conference of the Social Psychology Branch of Chinese Psychological Society, Haikou, Hainan, China.  
[包寒吴霜, 蔡华俭\*. (2020). 中国人名字独特性的上升: 新证据和机制. 中国心理学会社会心理学分会 2020 年学术年会, 海南海口.]
- Bao, H.-W.-S.**, Cai, H., & Luo, Y. L. L.\* (2019, October). *Name-job uniqueness fit: Name uniqueness predicts job choice and is associated with career success*. Paper presented at the 22nd National Academic Congress of Psychology, Hangzhou, Zhejiang, China.  
[包寒吴霜, 蔡华俭, 罗宇\*. (2019). 人如其名, 名职匹配? 名字独特性预测职业选择与职业成就. 第二十二届全国心理学学术会议, 浙江杭州.]
- Bao, H.-W.-S.**, Cai, H., & Luo, Y. L. L.\* (2018, October). *Name uniqueness predicts job choice: Evidence from big data and experiments*. Paper presented at the 2018 Annual Conference of the Social Psychology Branch of Chinese Psychological Society, Qufu, Shandong, China.  
[包寒吴霜, 蔡华俭, 罗宇\*. (2018). 名字独特性预测职业选择: 来自大数据和实验的证据. 中国心理学会社会心理学分会 2018 年学术年会, 山东曲阜.]

## Academic Services

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### Journal Reviewer (Articles Reviewed):

#### International Journals:

- *Nature Human Behaviour* (1)
- *Communications Psychology* (1)
- *Journal of Cross-Cultural Psychology* (1)
- *Frontiers in Psychology* (1)
- *Frontiers in Education* (1)
- *PeerJ Computer Science* (1)
- *Acta Psychologica* (1)
- *F1000Research* (2)

#### Chinese Journals:

- 心理学报 *Acta Psychologica Sinica* (11)
- 心理科学进展 *Advances in Psychological Science* (3)
- 心理技术与应用 *Psychology: Techniques and Applications* (2)
- 心理学通讯 *Psychological Communications* (4)

### Academic Committee Member:

- Chinese Association for Artificial Intelligence – Big Data & Social Computing (CAAI-BDSC):  
[Judging Panel Member](#) of the CAAI-BDSC 2023 Social Computing Innovation Contest

## Teaching Experiences

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2021-Fall	<b>Self &amp; Identity (Graduate Level)</b> <ul style="list-style-type: none"><li>• <i>Lecturer</i></li></ul>
2020-Summer	<b>R Programming (Beginner and Advanced Levels)</b> <ul style="list-style-type: none"><li>• <i>Lecturer</i></li></ul>
2018-Spring	<b>Cultural &amp; Cross-Cultural Psychology (Graduate Level)</b> <ul style="list-style-type: none"><li>• <i>Teaching Assistant</i> (Professors: Huajian Cai &amp; Yiming Jing)</li></ul>
2017-Fall	<b>Implicit Social Cognition (Graduate Level)</b> <ul style="list-style-type: none"><li>• <i>Teaching Assistant</i> (Professors: Huajian Cai &amp; Xiaoqing Hu)</li></ul>
2017-Spring	<b>Self &amp; Identity (Graduate Level)</b> <ul style="list-style-type: none"><li>• <i>Teaching Assistant</i> (Professor: Huajian Cai)</li></ul>

## Software & Programming Expertise

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<b>R</b>	Proficient	Data analysis and visualization using R. R packages developed independently: <ul style="list-style-type: none"><li>• <b>bruceR</b> (v2023.8): Broadly Useful Convenient and Efficient R Functions <a href="https://CRAN.R-project.org/package=bruceR">https://CRAN.R-project.org/package=bruceR</a> (Downloads: 44,000+)</li><li>• <b>ChineseNames</b> (v2023.8): Chinese Name Database 1930-2008 <a href="https://CRAN.R-project.org/package=ChineseNames">https://CRAN.R-project.org/package=ChineseNames</a> (Downloads: 11,000+)</li><li>• <b>PsychWordVec</b> (v2023.8): Word Embedding Research Framework for Psychological Science <a href="https://CRAN.R-project.org/package=PsychWordVec">https://CRAN.R-project.org/package=PsychWordVec</a> (Downloads: 3,000+)</li><li>• <b>FMAT</b> (v2023.8): The Fill-Mask Association Test <a href="https://CRAN.R-project.org/package=FMAT">https://CRAN.R-project.org/package=FMAT</a></li><li>• <b>NgramTools</b> (v0.1.0): Efficient R Functions for Google Books Ngram Data Analysis <a href="https://github.com/psychbruce/NgramTools">https://github.com/psychbruce/NgramTools</a></li><li>• <b>drawMap</b> (v0.3.5): Easily Draw China Maps <a href="https://github.com/psychbruce/drawMap">https://github.com/psychbruce/drawMap</a></li></ul>
<b>Python</b>	Proficient	Web crawling, big data collection and processing. <ul style="list-style-type: none"><li>• Have crawled 20+ websites for data collection in research.</li></ul>
<b>SPSS</b>	Proficient	Basic and advanced data analyses.
<b>Mplus</b>	Familiar	Structural equation modeling.
<b>JavaScript</b>	Familiar	Using the “jsPsych” toolbox to develop online experiments and surveys.
<b>MATLAB</b>	Familiar	Using the “PsychToolBox” to develop psychological experiments.
<b>Excel</b>	Proficient	Microsoft Office Specialist (MOS) Certification: Expert-Level
<b>Word</b>	Proficient	Microsoft Office Specialist (MOS) Certification: Expert-Level
<b>PowerPoint</b>	Proficient	Microsoft Office Specialist (MOS) Certification: Specialist-Level

## Workshops & Invited Talks

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2023-04	<b>Discerning Human Society in Natural Language: Methods Based on Frequency, Similarity, and Probability (GNARC ECR Methods Workshop)</b> <ul style="list-style-type: none"><li>• University of Manchester (invited by Prof. Nan Zhang)</li></ul>
2022-06	<b>bruceR in the Workflow of Data Analysis</b> <ul style="list-style-type: none"><li>• Nanjing Normal University (invited by Prof. Chuan-Peng Hu)</li></ul>
2022-03	<b>Embedded in Word Embedding: Methodological Revolution in the Era of AI</b> <ul style="list-style-type: none"><li>• Institute of Psychology, CAS</li></ul>
2021-12	<b>R in Data Science</b> <ul style="list-style-type: none"><li>• Beijing Normal University (invited by Prof. Zijun Cai)</li></ul>
2021-11	<b>R Programming and the bruceR Package</b> <ul style="list-style-type: none"><li>• Peking University (invited by Prof. Guiquan Li)</li></ul>
2021-09	<b>How to Learn R Programming?</b> <ul style="list-style-type: none"><li>• Holland Psychometrics Association (online)</li></ul>

- 2021-06**      **How to “Uninstall” SPSS? Tips on Learning R Programming**
- Nanjing Normal University (invited by Prof. Chuan-Peng Hu)
- 2019-11**      **Multilevel Modeling: Methods, Key Issues, and Applications (2-Days Workshop)**
- Institute of Psychology, CAS (invited by Prof. Xingshan Li)
- 2019-10**      **Multilevel Modeling: Methods, Key Issues, and R Programming**
- The 22nd National Academic Congress of Psychology, Hangzhou, Zhejiang, China

## Hobbies

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Billiards/Snooker | Wing-Chun | Nunchakus | Mixed Martial Arts | Tae-Kwon-Do | Skiing | Magic

## Hometowns

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“来自浙江的江苏山东后裔河南人”

Born in *Xinxiang*, Henan Province (1995~2001)

Grown up in *Ningbo*, Zhejiang Province (2001~2013)

Studied in *Beijing* (2013~2022)