

# Hsuan-Fu Chao (趙軒甫)

## Curriculum Vitae

### CORRESPONDING ADDRESS

Department of Educational Psychology and Counseling  
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### EDUCATION

2006 Ph.D. Degree, Department of Psychology, National Taiwan University, Taipei, Taiwan.

### CURRENT POSITION

Professor, Department of Educational Psychology and Counseling, National Tsing Hua University  
Editor-in-Chief, *Chinese Journal of Psychology*

### PAPERS IN PEER-REVIEWED JOURNALS

- Chao, H.-F. (2023). Attentional control and priming: The distractor set hypothesis. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. Advance online publication. <https://doi.org/10.1037/xlm0001252>
- Chao, H.-F., Hsiao, F.-S., & Huang, S.-C. (2022). Binding of features and responses in inhibition of return: The effects of task demand. *Journal of Cognition*, 5(1), 49. <http://doi.org/10.5334/joc.247>
- Chao, H.-F., Chen, M. S., & Kuo, C.-Y. (2022). Attention modulates the contextual similarity effect in negative priming: evidence from task demand and attentional capture. *Memory*, 30, 895-914. <https://doi.org/10.1080/09658211.2022.2058017>
- Chao, H.-F., & Hsiao, F.-S. (2021). Location-response binding and inhibition of return in a detection task. *Attention, Perception, & Psychophysics*, 83, 1992–2001. <https://doi.org/10.3758/s13414-021-02283-4>
- Chao, H.-F., Kuo, C.-Y., Chen, M. S., & Hsiao, F.-S. (2020). Contextual similarity between successive targets modulates inhibition of return in the target-target paradigm. *Frontiers in Psychology*, 11, 2052. <https://doi.org/10.3389/fpsyg.2020.02052>

- Chao, H.-F., & Lee, Y.-C. (2019). Proactive inhibitory control of emotional distractors: Evidence for the benefit of precuing emotional distractors. *Visual Cognition*, *27*, 66–77. <https://doi.org/10.1080/13506285.2019.1600088>
- Teng, S.-C., Chao, H.-F., & Lien, Y.-W. (2018). Who is more flexible?—Awareness of changing context but not working memory capacity modulates inhibitory control. *Acta Psychologica*, *185*, 41-51. (SSCI)
- Chao, H.-F. (2018). The role of awareness in the cognitive control of single-prime negative priming. *Consciousness and Cognition*, *57*, 94-105. (SSCI)
- Kuo, C.-Y., & Chao, H.-F. (2014). Role of attentional tags in working memory-driven attentional capture. *Journal of Experimental Psychology: Human Perception and Performance*, *40*, 1301-1307. (SSCI)
- Yeh, Y.-Y., Chao, H.-F., Huang, Y.-M., Kuo, B.-C., Yang, C.-T., Kuo, C.-Y., & Lin, S.-H. (2013). The roles of representations in selection. *Chinese Journal of Psychology*, *55*, 319-342. (TSSCI)
- Chao, H.-F. (2013). Locus of single-prime negative priming: The role of perceptual form. *Acta Psychologica*, *143*, 303-309. (SSCI)
- Chang, J.-H., Chen, S.-P., Chen, P.-J., Huang, P.-H., Lin, T.-Y., & Chao, H.-F. (2013). Psychometric properties of the Chinese translation of Environmental Concern. *Psychological Testing*, *60*, 211-237. (TSSCI)
- Kuo, C.-Y., Chao, H.-F., & Yeh, Y.-Y. (2013). Strategic control modulates working memory-driven attentional capture. *Experimental Psychology*, *60*, 3-11. (SSCI)
- Lee, Y.-C., & Chao, H.-F. (2012). The role of active inhibitory control in psychological well-being and mindfulness. *Personality and Individual Differences*, *53*, 618-621. (SSCI)
- Chen, H.-M., Lin, C.-W., Hsieh, S.-H., Chao, H.-F., Chen, C.-S., Shiu, R.-S., Ye, S.-R., & Deng, Y.-C. (2012). Persuasive feedback model for inducing energy conservation behaviors of building users based on interaction with a virtual object. *Energy and Buildings*, *45*, 106-115. (SCI)
- Chao, H.-F. (2011). Target-to-target repetition cost and location negative priming are dissociable: Evidence for different mechanisms. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 1074-1082. (SSCI)
- Chao, H.-F. (2011). Active inhibition of a distractor word: The distractor precue benefit in the Stroop color-naming task. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 799-812. (SSCI)
- Chao, H.-F. (2011). Dissociations between identity and location negative priming. *Acta Psychologica*, *136*, 81-89. (SSCI)
- Chao, H.-F. (2010). Inhibition of return to negative emotion: Evidence from an emotional expression detection task. *Emotion*, *10*, 272-277. (SSCI)

- Chao, H.-F. (2010). Top-down attentional control for distractor locations: The benefit of precuing distractor locations on target localization and discrimination. *Journal of Experimental Psychology: Human Perception and Performance*, *36*, 303-316. (SSCI)
- Chao, H.-F. (2009). On the control of single-prime negative priming: The effects of practice and time course. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *35*, 1286-1295. (SSCI)
- Chao, H.-F. (2009). Revisiting the role of probe distractors in negative priming: Location negative priming is observed when probe distractors are consistently absent. *Attention, Perception, & Psychophysics*, *71*, 1072-1082. (SSCI)
- Chao, H.-F. (2009). Revisiting the prime-probe contextual similarity effect on negative priming: The impact of cue variability. *European Journal of Cognitive Psychology*, *21*, 484-500. (SSCI)
- Chao, H.-F. (2009). Exogenous cuing of distractor location facilitates location selection by inhibition of return. *Experimental Psychology*, *56*, 121-127. (SSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2008). Inhibition of return and attentional disengagement: The Importance of a fixation cue. *Chinese Journal of Psychology*, *50*, 357-366. (TSSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2008). Controlled processing in single-prime negative priming. *Experimental Psychology*, *55*, 402-408. (SSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2008). Attentional demand and memory retrieval in negative priming. *Psychological Research*, *72*, 249-260. (SSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2006). Inhibition of return lasts longer at repeatedly stimulated locations than at novel locations. *Psychonomic Bulletin & Review*, *13*, 896-901. (SSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2005). Location negative priming in identity discrimination relies on location repetition. *Perception & Psychophysics*, *67*, 789-801. (SSCI)
- Chao, H.-F., & Yeh, Y.-Y. (2004). Distractors of low activation can produce negative priming. *Memory & Cognition*, *32*, 979-989. (SSCI)
- Yeh, Y.-Y., & Chao, H.-F. (2004). Probe distractors can influence negative priming by perceptual grouping. *Perception & Psychophysics*, *66*, 208-218. (SSCI)
- Yang, T.-Y., Yeh, Y.-Y., & Chao, H.-F. (2004). The effect of contextual similarity on negative priming. *Chinese Journal of Psychology*, *46*, 15-27. (TSSCI)
- Chao, H.-F., Yeh, Y.-Y., & Yang, T.-Y. (2003). Interference and inhibition of distractors. *Chinese Journal of Psychology*, *45*, 361-377. (TSSCI)
- Yeh, Y.-Y., Chao, H.-F., Huang, C.-L., & Kung, Y.-W. (2002). Effects of unitization on implicit memory for picture-word pairs. *Chinese Journal of Psychology*, *44*, 47-56. (TSSCI)

Yeh, Y.-Y., Huang, C.-L., & Chao, H.-F. (2000). Interactive effects of location and identity information in negative priming. *Chinese Journal of Psychology, 42*, 217-231. (TSSCI)

Chao, H.-F., Yeh, Y.-Y., & Huang, C.-L. (2000). The effects of perceptual and task context on repetition priming. *Chinese Journal of Psychology, 42*, 51-64. (TSSCI)

### **CONFERENCE PAPERS**

Chao, H.-F. (2023, May). Emotional faces modulate spatial distribution of attention. Poster presented at the 2023 APS Annual Convention.

Chao, H.-F., Hsiao, F.-S., & Huang, S.-C. (2022, November). The effects of task demand on binding and/or retrieval of features and responses in inhibition of return. Virtual poster presented at the 63rd Annual Meeting of the Psychonomic Society.

Lin, Y.-H., & Chao, H.-F. (2022). The effects of individual difference in working memory capacity and inhibition function on the relationship between sleep-related worry and sleep-related attentional bias. Poster presented at the 2022 Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.

Long, J.-X., & Chao, H.-F. (2022). The influence of emotions on conscious and unconscious thought in decision making. Poster presented at the 2022 Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.

Chao, H.-F., Huang, S.-C., & Hsiao, F.-S. (2021, November). The effects of cue validity and distractor salience on top-down inhibitory control of spatial locations. Virtual poster presented at the 62nd Annual Meeting of the Psychonomic Society.

Chen, L.-C., & Chao, H.-F. (2021). The effects of updating training on working memory and fluid intelligence. Virtual paper presented at the 2021 Annual Meeting of the Taiwanese Psychological Association.

Chao, H.-F., & Hsiao, F.-S. (2020, November). Location-form-response binding in inhibition of return. Virtual poster presented at the 61st Annual Meeting of the Psychonomic Society.

Chao, H.-F. (2019). The role of attentional set in processing prime identity and response in single-prime negative priming. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, Québec, Canada.

Chao, H.-F., & Hsiao, F.-S. (2019). Binding of spatial locations and responses in inhibition of return: Evidence from a target-target paradigm. Poster presented at the 31st Annual Convention of the Association for Psychological Science, Washington, DC.

- Chao, H.-F. (2018). Revisiting the role of prime awareness in the cognitive control of single-prime negative priming. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Chen, S.-Y., & Chao, H.-F. (2017). Connectedness of target and object affects the object-based effect. Poster presented at the 25th Annual Meeting on Object Perception, Attention, & Memory, Vancouver, British Columbia, Canada.
- Chao, H.-F. (2017). The effects of location repetition and shape repetition in a target-target paradigm: A reaction time distribution analysis. Poster presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, British Columbia, Canada.
- Chao, H.-F. (2016). Role of prime awareness in single-prime negative priming. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Chao, H.-F. (2016). Contextual similarity modulates emotion-based inhibition of return. Poster presented at the 28th Annual Convention of the Association for Psychological Science, Chicago, IL.
- Chao, H.-F. (2015). The role of contextual similarity in inhibition of return: Evidence from the target-target paradigm. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Chao, H.-F. (2014). Attentional control on processing unexpected primes: Dual Mechanisms. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Chen, M., & Chao, H.-F. (2014). The effect of attentional cuing inside and outside an object. Poster presented at the 22nd Annual Meeting on Object Perception, Attention, & Memory, Long Beach, CA.
- Chao, H.-F. (2014). The role of failure of episodic integration in inhibition of return. Poster presented at the 26th Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Chao, H.-F. (2013). Contextual similarity effect in negative priming is modulated by attention to the contextual cues. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, ON.
- Chen, M., & Chao, H.-F. (2013). Attentional spreading in curve-tracing process. Poster presented at the 21st Annual Meeting on Object Perception, Attention, & Memory, Toronto, ON.
- Kuo, C.-Y., & Chao, H.-F. (2013). Identical representation in working memory captures attention. Poster presented at the 25th Annual Convention of the Association for Psychological Science, Washington, DC.
- Chen, M. S., & Chao, H.-F. (2013). Role of symmetry in object-based attention. Poster presented at the 25th Annual Convention of the Association for

- Psychological Science, Washington, DC.
- Kuo, C.-Y., Chao, H.-F., & Yeh, Y.-Y. (2012). Different tags in working memory influence working memory-driven attentional capture. Poster presented at the 20th Annual Meeting on Object Perception, Attention, & Memory, Minneapolis, MN.
- Chen, S.-Y., & Chao, H.-F. (2012). The effects of stimulus density and size on symmetry detection. Poster presented at the 20th Annual Meeting on Object Perception, Attention, & Memory, Minneapolis, MN.
- Chao, H.-F. (2012). Task demand modulates the effect of prime-probe contextual similarity on negative priming. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Chao, H.-F. (2012). The role of distractor set in single-prime negative priming. Paper presented at the 16th Conference on Attention and Perception, Chiayi, Taiwan.
- Chao, H.-F. (2012). Selectively ignored distractors involve multiple representations. Poster presented at the 24th Annual Convention of the Association for Psychological Science, Chicago, IL.
- Chang, J. H., & Chao, H.-F. (2012). Colors and information framing affect pro-environmental decisions: The mediating role of emotion and motivation. Poster presented at the 24th Annual Convention of the Association for Psychological Science, Chicago, IL.
- Kuo, C.-Y., Yeh, Y.-Y., & Chao, H.-F. (2011). Working memory biases attention as a default tendency. Poster presented at the 19th Annual Workshop on Object Perception, Attention, & Memory, Seattle, WA.
- Chao, H.-F., & Lee, Y.-C. (2011). Controlling emotional distractors in a flanker task: Role of active inhibition. Poster presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC.
- Lee, Y.-C., & Chao, H.-F. (2011). Role of active inhibitory control in psychological well-being. Poster presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC.
- Chang, J. H., & Chao, H.-F. (2011). Information framing for making pro-environmental decisions. Poster presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC.
- Chao, H.-F. (2010). Selection for what versus selection for where: Dissociations between identity- and location-negative priming. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
- Kuo, C.-Y., & Chao, H.-F. (2010). Task set modulates working memory driven attentional capture. Poster presented at the 18th Annual Workshop on Object Perception, Attention, & Memory, St. Louis, MO.

- Chang, K.-L., & Chao, H.-F. (2010). The loci of positive and negative compatibility effect. Poster presented at the 18th Annual Workshop on Object Perception, Attention, & Memory, St. Louis, MO.
- Lee, Y.-C., Chao, H.-F., Huang, C.-L., Lin, Y.-C. (2010). The affect-regulation mechanisms of achieving peace of mind: Attentional bias toward emotional stimuli. Poster presented at the 11th Annual Meeting of the Society for Personality and Social Psychology, Las Vegas, NV.
- Chao, H.-F., Chang, J.-H., & Wang, H.-L. (2010). Information framing affects pro-environmental decisions. Poster presented at the 11th Annual Meeting of the Society for Personality and Social Psychology, Las Vegas, NV.
- Chao, H.-F. (2009). The interactive aftereffects of spatial cuing and attentional selection. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
- Kuo, C.-Y., Chao, H.-F., & Yeh, Y.-Y. (2009). Prime validity modulated the memory-driven attentional capture effect based on phonological loop. Poster presented at the 48th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Chang, K.-L., & Chao, H.-F. (2009). The impact of practice effect and present time on the negative compatible effect. Paper presented at the 14th Conference on Attention and Perception, Chiayi, Taiwan.
- Chao, H.-F. (2008). Active inhibition of precued distractor location. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Kuo, C.-Y., Chao, H.-F., & Wang, H.-L. (2008). Line motion illusion triggered by gradient bars: An end point hypothesis. Poster presented at the 29th International Congress of Psychology, Berlin, Germany.
- Wang, H.-L., Chao, H.-F., & Kuo, C.-Y. (2008). Response compatibility effect of gaze and arrow direction. Poster presented at the 29th International Congress of Psychology, Berlin, Germany.
- Chao, H.-F. (2008). Inhibition of return facilitates location selection. Poster presented at the 29th International Congress of Psychology, Berlin, Germany.
- Chao, H.-F. (2008). Automatic and controlled processes in single-prime negative priming. Paper presented at the 13th Conference on Attention and Perception, Chiayi, Taiwan.
- Kuo, C.-Y., Chao, H.-F., & Wang, H.-L. (2008). Study of inhibition of return on the directed forgetting task. Poster presented at the 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
- Chao, H.-F. (2007). Directed inhibition of previewed distractors in a Stroop task: Underlying mechanism. Poster presented at the 48th Annual Meeting of the

- Psychonomic Society, Long Beach, CA.
- Chao, H.-F. (2007). Cue variability modulates the prime-probe contextual similarity effect in negative priming. Poster presented at the joint meeting of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, Scotland.
- Lin, S.-H., Chao, H.-F., & Yeh, Y.-Y. (2006). Stimulus duration moderates the effect of perceptual load on distractor processing. Poster presented at the 14th Annual Workshop on Object Perception, Attention, & Memory, Houston, Texas.
- Chao, H.-F., & Yeh, Y.-Y. (2005). Benefit and cost of distractor previewing in a Stroop Task. Poster presented at the 13th Annual Workshop on Object Perception, Attention, & Memory, Toronto, Canada.
- Lin, S.-H., Chao, H.-F., & Yeh, Y.-Y., (2005). The effects of perceptual load on distractor processing. Paper presented at the 44th Annual Meeting of the Taiwanese Psychological Association, Chung Li, Taiwan.
- Chao, H.-F., & Yang, T.-Y. (2005). Inhibition of novel distractors. Poster presented at the Fifth Annual Meeting of the Vision Sciences Society, Sarasota, Florida.
- Chao, H.-F., & Yeh, Y.-Y. (2005). The role of stable representation and distractor competition in attentional inhibition. Paper presented at the 6th Conference on Attention and Perception, Chiayi, Taiwan.
- Chao, H.-F., & Yeh, Y.-Y. (2005). Directed inhibition of pre-cued Stroop distractors. Poster presented at the International Conference on Attentional Control, Chiayi, Taiwan.
- Chao, H.-F., & Yeh, Y.-Y. (2004). Object-based representations for inhibition of return on novel and repeated locations. Poster presented at the 12th Annual Workshop on Object Perception, Attention, & Memory, Minneapolis, Minnesota.
- Chao, H.-F., & Yeh, Y.-Y. (2004). Inhibition of return persists longer on repeated locations. Poster presented at the 28th International Congress of Psychology. Beijing, China.
- Chao, H.-F., & Yeh, Y.-Y., (2004). The importance of disengagement in inhibition of return. Poster presented at the Fourth Annual Meeting of the Vision Science Society, Sarasota, Florida.
- Chao, H.-F., & Yeh, Y.-Y., (2003). Inhibition of return is contingent upon location repetitions. Poster presented at the 11th Annual Workshop on Object Perception, Attention, & Memory, Vancouver, Canada.
- Chao, H.-F., & Yeh, Y.-Y., (2002). Location negative priming in identity naming is contingent upon repeated locations. Poster presented at the 43rd Annual Meeting of the Psychonomic Society, Kansas City, MO.
- Chao, H.-F. (2002). Perceptual grouping and negative priming: Importance of probe



distractor competition. Paper presented at the 5th Conference on Attention and Perception, Chiayi, Taiwan.