

Publications

JOURNAL ARTICLES

1. Kade, S. A., Toit, S. A. du, Danielson, C. T., Schweizer, S., Morrison, A. S., Ong, D. C., Prasad, A., Holder, L. J., Han, J., Torok, M., & Wong, Q. J. (2024). Aberrant cognitive empathy in individuals with elevated social anxiety and regulation with emotional working memory training. *Cognition and Emotion*, 1–19. <https://doi.org/10.1080/02699931.2024.2314981>
2. Demszky, D., Yang, D., Yeager, D. S., Bryan, C. J., Clapper, M., Chandhok, S., Eichstaedt, J. C., Hecht, C., Jamieson, J., Johnson, M., Jones, M., Krettek-Cobb, D., Lai, L., Jones Mitchell, N., Ong, D. C., Dweck, C. S., Gross, J. J., & Pennebaker, J. W. (2023). Using large language models in psychology. *Nature Reviews Psychology*, 2(11), 688–701. <https://doi.org/10.1038/s44159-023-00241-5>
3. Genzer, S., Ong, D. C., Zaki, J., & Perry, A. (2022). Mu rhythm suppression over sensorimotor regions is associated with greater empathic accuracy. *Social Cognitive and Affective Neuroscience*, 17(9), 788–801. <https://doi.org/10.1093/scan/nsac011>
4. Chen, P., Teo, D. W. H., Foo, D. X. Y., Derry, H. A., Hayward, B. T., Schulz, K. W., Hayward, C., McKay, T. A., & Ong, D. C. (2022). Real-world effectiveness of a social-psychological intervention translated from controlled trials to classrooms. *Npj Science of Learning*, 7(1). <https://doi.org/10.1038/s41539-022-00135-w>
5. Goldenberg, A., Schöne, J., Huang, Z., Sweeny, T. D., Ong, D. C., Brady, T. F., Robinson, M. M., Levari, D., Zaki, J., & Gross, J. J. (2022). Amplification in the evaluation of multiple emotional expressions over time. *Nature Human Behaviour*, 6(10), 1408–1416. <https://doi.org/10.1038/s41562-022-01390-y>
6. Weisz, E., Chen, P., Ong, D. C., Carlson, R. W., Clark, M. D., & Zaki, J. (2022). A brief intervention to motivate empathy among middle school students. *Journal of Experimental Psychology: General*, 151(12), 3144–3153. <https://doi.org/10.1037/xge0001249>
7. Jospe, K., Genzer, S., Mansano, L., Ong, D., Zaki, J., Sorokey, N., & Perry, A. (2022). Impaired empathic accuracy following damage to the left hemisphere. *Biological Psychology*, 172, 108380. <https://doi.org/10.1016/j.biopsycho.2022.108380>
8. Nguyen, T.-S., Wu, Z., & Ong, D. C. (2021). Attention uncovers task-relevant semantics in emotional narrative understanding. *Knowledge-Based Systems*, 226, 107162. <https://doi.org/10.1016/j.knosys.2021.107162>
9. Weisz, E., Ong, D. C., Carlson, R. W., & Zaki, J. (2021). Building empathy through motivation-based interventions. *Emotion*, 21(5), 990–999. <https://doi.org/10.1037/emo0000929>
10. Ong, D. C., Wu, Z., Zhi-Xuan, T., Reddan, M., Kahhale, I., Mattek, A., & Zaki, J. (2021). Modeling emotion in complex stories: The stanford emotional narratives dataset. *IEEE Transactions on Affective Computing*, 12(3), 579–594. <https://doi.org/10.1109/taffc.2019.2955949>
11. Ong, D. C., Soh, H., Zaki, J., & Goodman, N. D. (2021). Applying probabilistic programming to affective computing. *IEEE Transactions on Affective Computing*, 12(2), 306–317. <https://doi.org/10.1109/taffc.2019.2905211>
12. Chen, P., Ong, D. C., Ng, J. C., & Coppola, B. P. (2021). Explore, exploit, and prune in the classroom: Strategic resource management behaviors predict performance. *AERA Open*, 7, 233285842098618. <https://doi.org/10.1177/2332858420986180>
13. Ong, D. (2024). Integration of facial and contextual cues in emotion inferences is limited and variable across categories and individuals. *Nature Communications*.

PREPRINTS

BOOKS

BOOK CHAPTERS

Professional Presentations

Conference Abstracts

Evaluating Subjective Cognitive Appraisals of Emotions from Large Language Models

FINDINGS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS: EMNLP 2023

2023

Using Positive Matching Contrastive Loss with Facial Action Units to mitigate bias in Facial Expression Recognition	2022
2022 10TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING AND INTELLIGENT INTERACTION (ACII)	
Using Knowledge-Embedded Attention to Augment Pre-trained Language Models for Fine-Grained Emotion Recognition	2021
2021 9TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING AND INTELLIGENT INTERACTION (ACII)	
Using Knowledge-Embedded Attention to Augment Pre-trained Language Models for Fine-Grained Emotion Recognition	2021
2021 9TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING AND INTELLIGENT INTERACTION, ACII 2021	
An Ethical Framework for Guiding the Development of Affectively-Aware Artificial Intelligence	2021
2021 9TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING AND INTELLIGENT INTERACTION, ACII 2021	
Context-guided BERT for targeted aspect-based sentiment analysis	2021
PROCEEDINGS OF THE AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE	
Context-Guided BERT for Targeted Aspect-Based Sentiment Analysis	2021
35TH AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE, AAAI 2021	
Human-AI collaboration in healthcare: A review and research agenda	2021
PROCEEDINGS OF THE ANNUAL HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES	
Not All Negatives are Equal: Label-Aware Contrastive Loss for Fine-grained Text Classification	2021
EMNLP 2021 - 2021 CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING, PROCEEDINGS	
Pragmatically Informative Color Generation by Grounding Contextual Modifiers	2021
PROCEEDINGS OF THE SOCIETY FOR COMPUTATION IN LINGUISTICS	
ReaSCAN: Compositional Reasoning in Language Grounding	2021
PROCEEDINGS OF THE NEURAL INFORMATION PROCESSING SYSTEMS TRACK ON DATASETS AND BENCHMARKS 1 (NEURIPS DATASETS AND BENCHMARKS 2021)	

Honors

Funding

The ConnectTown: Building empathy and community through sharing experiences	<i>Toyota Research Institute,</i>
FUNDING: \$249,430	2023 - 2024

Service

Mentoring and Teaching

MENTORING

TEACHING