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研 究 業 績

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著書・論文等の区分	著書・論文等の名称、発行所・発表雑誌・学会等の名称、共著の場合の編者・著者名、該当頁数	発行・発表年月
論文（共）	Takemoto, A. , & Sugiura, M. (2026). Neural responses to virtual avatars are shaped by user preference and personality traits. <i>Scientific Reports</i> .	2026
	Takemoto, A. , Iwamoto, M., Yaegashi, H., Yun, S., & Takashima, R. (2025). Virtual avatar communication task eliciting pseudo-social isolation and detecting social isolation using non-verbal signal monitoring in older adults. <i>Frontiers in Psychology</i> , 16, 1507178.	2025
	Takemoto, A. , Aispuriete, I., Niedra, L., & Dreimane, L. F. (2023). Differentiating depression using facial expressions in a virtual avatar communication system. <i>Frontiers in Digital Health</i> , 5, 1080023.	2023
	Takemoto, A. , Aispuriete, I., Niedra, L., & Dreimane, L. F. (2023). Depression detection using virtual avatar communication and eye tracking. <i>Journal of Eye Movement Research</i> , 16(2), 12.	2023
	Takemoto, A. , Iwaki, S., Duo, Z., Yasumuro, S., & Kumada, T. (2022). Difficulty with the preceding visual search affects brain activity in the following resting period. <i>Scientific Reports</i> , 12(1), 18545.	2022
	Takemoto, A. , Nakazawa, A., & Kumada, T. (2022). Non-goal-driven eye movement after visual search task. <i>Journal of Eye Movement Research</i> , 15(2), 8.	2022
	Hara, K., Takemoto, A. , & Nakazawa, A. (2022, August). Drowsiness prevention using a social robot. In <i>2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)</i> (pp. 603-609). IEEE.	2022
	原航基, 中澤篤志, & 竹本あゆみ . ソーシャルロボットによる眠気抑制効果. <i>電子情報通信学会技術研究報告; 信学技報</i> .	2021
	Takemoto, A. , Miyamoto, T., Simono, F., Kurogi, N., Shirae-Kurabayashi, M., Awazu, A., ... & Sakamoto, N. (2016). Cilia play a role in breaking left-right symmetry of the sea urchin embryo. <i>Genes to Cells</i> , 21(6), 568-578.	2016
	Gu, Q., Kawahara, T., Aoyama, T., Takaki, T., Ishii, I., Takemoto, A. , & Sakamoto, N. (2015). LOC-based high-throughput cell morphology analysis system. <i>IEEE Transactions on Automation Science and</i>	2015

	<i>Engineering</i> , 12(4), 1346-1356.	
	Gu, Q., Aoyama, T., Takaki, T., Ishii, I., <u>Takemoto, A.</u> , & Sakamoto, N. (2014, September). Real-time LOC-based morphological cell analysis system using high-speed vision. In <i>2014 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> (pp. 822-827). IEEE.	2014
その他（単）	タカラジェンヌを目指した少女が，研究者になるまで， <u>竹本あゆみ</u> 粉体工学会	2025
その他（共） 特許	A DEPRESSION DETECTION METHOD AND A SYSTEM” (LVP2022000089) <u>Ayumi Takemoto</u>	2022
	“A DEPRESSIVE DISORDER DETECTION METHOD AND A SYSTEM”, (LVP2022000091) <u>Ayumi Takemoto</u>	2022
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (US10684695B2) Yamato TAKEUCHI, Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, <u>Ayumi TAKEMOTO</u>	2020
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (US10653350B2) <u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	2020
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (WO2019155913A1) <u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	2019
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (US20190339786A1) Yamato TAKEUCHI, Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, <u>Ayumi TAKEMOTO</u>	2019
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (US20190336059A1) <u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	2019
	Biological state estimation device, method, and program (WO2019124087A1)	2018

	<u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	
	Data processing device, monitoring system, awakening system, data processing method, and data processing program (JP2019136165A) <u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	2018
	Biological state estimation device, method, and program (JP2019111092A) <u>Ayumi TAKEMOTO</u> , Koichi Kinoshita, Hitoshi Mukai, Shigenori NAGAE, Yamato TAKEUCHI	2017
口頭発表 (共)	Mental Detection Using Eye Movements. ~ Eyes Tell You the Mental Status~ <u>Takemoto, A</u> , Aispuriete, I, Niedra, L, Dreimane, L. F The 21st European Conference on Eye Movements (ECEM)(Leicester,the UK)	2022. 8
