(Alfano et al., 2018, 2021; Almon, 2019; Aspelund, 2017; Assad & de Weck, 2015; Barger et al., 2014; Basner et al., 2014; Basu et al., 2021; Botella et al., 2016; Bower et al., 2019; Boyd et al., 2009; Bychkov et al., 2021; Casario et al., 2022; Connaboy, LaGoy, et al., 2020; Connaboy, Sinnott, et al., 2020; Connors et al., 1986; Cromwell et al., 2018; Crucian et al., 2020; Davis et al., 2017; Doarn et al., 2019; Ferlazzo et al., 2014; Goel et al., 2014; Goemaere et al., 2018; Harrison, 2010; *Houston, We Have a Doctor*, n.d.; Ihle et al., 2021; Korovin et al., 2021; LaGoy et al., 2020; Landon et al., 2017; Lee & Balint, 2021; Lu et al., 2020; McKay & Standage, 2017; Meirhaeghe et al., 2020; Min et al., 2021; Oluwafemi et al., 2021; Palinkas & Suedfeld, 2021; Ritsher, 2021; Robertson et al., 2020; Roda et al., 2018; Romanella et al., 2020; Salamon et al., 2018; Santy, 1990; Scheuring et al., 2008; Seguin, 2005; Sirmons et al., 2020; Suhir, 2021; Zhang et al., 2020)

Alfano, C. A., Bower, J. L., Connaboy, C., Agha, N. H., Baker, F. L., Smith, K. A., So, C. J., & Simpson, R. J. (2021). Mental health, physical symptoms and biomarkers of stress during prolonged exposure to Antarctica’s extreme environment. *Acta Astronautica*, *181*, 405–413. https://doi.org/10.1016/j.actaastro.2021.01.051

Alfano, C. A., Bower, J. L., Cowie, J., Lau, S., & Simpson, R. J. (2018). Long-duration space exploration and emotional health: Recommendations for conceptualizing and evaluating risk. In *Acta Astronautica* (Vol. 142, pp. 289–299). Elsevier Ltd. https://doi.org/10.1016/j.actaastro.2017.11.009

Almon, A. J. (2019). Developing predictive models: Individual and group breakdowns in long-term space travel. *Acta Astronautica*, *154*, 295–300. https://doi.org/10.1016/j.actaastro.2018.04.036

Aspelund, K. (2017). Textile needs and constraints for intravehicular activity in long duration space flight, part 3: Human factors and beyond mars. In *AATCC Review* (Vol. 17, Issue 4, pp. 44–49). American Association of Textile Chemists and Colorists. https://doi.org/10.14504/ar.17.4.4

Assad, A., & de Weck, O. L. (2015). Model of medical supply and astronaut health for long-duration human space flight. *Acta Astronautica*, *106*, 47–62. https://doi.org/10.1016/j.actaastro.2014.10.009

Barger, L. K., Flynn-Evans, E. E., Kubey, A., Walsh, L., Ronda, J. M., Wang, W., Wright, K. P., & Czeisler, C. A. (2014). Prevalence of sleep deficiency and use of hypnotic drugs in astronauts before, during, and after spaceflight: AN observational study. *The Lancet Neurology*, *13*(9), 904–912. https://doi.org/10.1016/S1474-4422(14)70122-X

Basner, M., Dinges, D. F., Mollicone, D. J., Savelev, I., Ecker, A. J., di Antonio, A., Jones, C. W., Hyder, E. C., Kan, K., Morukov, B. v., & Sutton, J. P. (2014). Psychological and behavioral changes during confinement in a 520-day simulated interplanetary mission to mars. *PLoS ONE*, *9*(3). https://doi.org/10.1371/journal.pone.0093298

Basu, T., Bannova, O., & Camba, J. D. (2021). Mixed reality architecture in space habitats. *Acta Astronautica*, *178*, 548–555. https://doi.org/10.1016/j.actaastro.2020.09.036

Botella, C., Baños, R. M., Etchemendy, E., García-Palacios, A., & Alcañiz, M. (2016). Psychological countermeasures in manned space missions: “EARTH” system for the Mars-500 project. *Computers in Human Behavior*, *55*, 898–908. https://doi.org/10.1016/j.chb.2015.10.010

Bower, J. L., Laughlin, M. S., Connaboy, C., Simpson, R. J., & Alfano, C. A. (2019). Factor structure and validation of the mental health checklist (MHCL) for use in isolated, confined and extreme environments. *Acta Astronautica*, *161*, 405–414. https://doi.org/10.1016/j.actaastro.2019.03.007

Boyd, J. E., Kanas, N. A., Salnitskiy, V. P., Gushin, V. I., Saylor, S. A., Weiss, D. S., & Marmar, C. R. (2009). Cultural differences in crewmembers and mission control personnel during two space station programs. *Aviation Space and Environmental Medicine*, *80*(6), 532–540. https://doi.org/10.3357/ASEM.2430.2009

Bychkov, A., Reshetnikova, P., Bychkova, E., Podgorbunskikh, E., & Koptev, V. (2021). The current state and future trends of space nutrition from a perspective of astronauts’ physiology. In *International Journal of Gastronomy and Food Science* (Vol. 24). AZTI-Tecnalia. https://doi.org/10.1016/j.ijgfs.2021.100324

Casario, K., Howard, K., Cordoza, M., Hermosillo, E., Ibrahim, L., Larson, O., Nasrini, J., & Basner, M. (2022). Acceptability of the Cognition Test Battery in astronaut and astronaut-surrogate populations. *Acta Astronautica*, *190*, 14–23. https://doi.org/10.1016/j.actaastro.2021.09.035

Connaboy, C., LaGoy, A. D., Johnson, C. D., Sinnott, A. M., Eagle, S. R., Bower, J. L., Pepping, G. J., Simpson, R. J., & Alfano, C. A. (2020). Sleep deprivation impairs affordance perception behavior during an action boundary accuracy assessment. *Acta Astronautica*, *166*, 270–276. https://doi.org/10.1016/j.actaastro.2019.10.029

Connaboy, C., Sinnott, A. M., LaGoy, A. D., Krajewski, K. T., Johnson, C. D., Pepping, G. J., Simpson, R. J., Bower, J. L., & Alfano, C. A. (2020). Cognitive performance during prolonged periods in isolated, confined, and extreme environments. *Acta Astronautica*, *177*, 545–551. https://doi.org/10.1016/j.actaastro.2020.08.018

Connors, M. M., Harrison, A. A., & Akins, F. R. (1986). *Psychology and the Resurgent Space Program*.

Cromwell, R. L., Scott, J. M., Downs, M., Yarbough, P. O., Zanello, S. B., & Ploutz-Snyder, L. (2018). Overview of the NASA 70-day Bed Rest Study. *Medicine and Science in Sports and Exercise*, *50*(9), 1909–1919. https://doi.org/10.1249/MSS.0000000000001617

Crucian, B. E., Makedonas, G., Sams, C. F., Pierson, D. L., Simpson, R., Stowe, R. P., Smith, S. M., Zwart, S. R., Krieger, S. S., Rooney, B., Douglas, G., Downs, M., Nelman-Gonzalez, M., Williams, T. J., & Mehta, S. (2020). Countermeasures-based Improvements in Stress, Immune System Dysregulation and Latent Herpesvirus Reactivation onboard the International Space Station – Relevance for Deep Space Missions and Terrestrial Medicine. In *Neuroscience and Biobehavioral Reviews* (Vol. 115, pp. 68–76). Elsevier Ltd. https://doi.org/10.1016/j.neubiorev.2020.05.007

Davis, J., Burr, M., Absi, M., Telles, R., & Koh, H. (2017). The contributions of occupational science to the readiness of long duration deep space exploration. In *Work* (Vol. 56, Issue 1, pp. 31–43). IOS Press. https://doi.org/10.3233/WOR-162465

Doarn, C., Polk, J., & Shepanek, M. (2019). Health challenges including behavioral problems in long-duration spaceflight. *Neurology India*, *67*(8), S190–S195. https://doi.org/10.4103/0028-3886.259116

Ferlazzo, F., Piccardi, L., Burattini, C., Barbalace, M., Giannini, A. M., & Bisegna, F. (2014). Effects of new light sources on task switching and mental rotation performance. *Journal of Environmental Psychology*, *39*, 92–100. https://doi.org/10.1016/j.jenvp.2014.03.005

Goel, N., Bale, T. L., Epperson, C. N., Kornstein, S. G., Leon, G. R., Palinkas, L. A., Stuster, J. W., & Dinges, D. F. (2014). Effects of sex and gender on adaptation to space: Behavioral health. *Journal of Women’s Health*, *23*(11), 975–986. https://doi.org/10.1089/jwh.2014.4911

Goemaere, S., Beyers, W., de Muynck, G. J., & Vansteenkiste, M. (2018). The paradoxical effect of long instructions on negative affect and performance: When, for whom and why do they backfire? *Acta Astronautica*, *147*, 421–430. https://doi.org/10.1016/j.actaastro.2018.03.047

Harrison, A. A. (2010). Humanizing outer space: architecture, habitability, and behavioral health. *Acta Astronautica*, *66*(5–6), 890–896. https://doi.org/10.1016/j.actaastro.2009.09.008

*Houston, we have a doctor*. (n.d.).

Ihle, E. C., Ritsher, J. B., & Kanas, N. (2021). *Positive Psychological Outcomes of Spaceflight: An Empirical Study* (Vol. 18). http://www.ingentaconnect-

Korovin, I. S., Klimenko, A. B., Kalyaev, I. A., & Safronenkova, I. B. (2021). An experience of the cognitive map-based classifier usage in astronaut’s emotional state monitoring. *Acta Astronautica*, *181*, 537–543. https://doi.org/10.1016/j.actaastro.2021.01.022

LaGoy, A. D., Sinnott, A. M., Ambarian, M., Pepping, G. J., Simpson, R. J., Agha, N. H., Bower, J. L., Alfano, C. A., & Connaboy, C. (2020). Differences in affordance-based behaviors within an isolated and confined environment are related to sleep, emotional health and physiological parameters. *Acta Astronautica*, *176*, 238–246. https://doi.org/10.1016/j.actaastro.2020.06.034

Landon, L. B., Rokholt, C., Slack, K. J., & Pecena, Y. (2017). Selecting astronauts for long-duration exploration missions: Considerations for team performance and functioning. In *REACH* (Vol. 5, pp. 33–56). Elsevier GmbH. https://doi.org/10.1016/j.reach.2017.03.002

Lee, C. H., & Balint, T. (2021). Martian Delight: Exploring qualitative contact for decoupled communications. *Acta Astronautica*. https://doi.org/10.1016/j.actaastro.2021.06.051

Lu, Z., Wang, J., Qu, L., Kan, G., Zhang, T., Shen, J., Li, Y., Yang, J., Niu, Y., Xiao, Z., Li, Y., & Zhang, X. (2020). Reactive mesoporous silica nanoparticles loaded with limonene for improving physical and mental health of mice at simulated microgravity condition. *Bioactive Materials*, *5*(4), 1127–1137. https://doi.org/10.1016/j.bioactmat.2020.07.006

McKay, C. D., & Standage, M. (2017). Astronaut adherence to exercise-based reconditioning: Psychological considerations and future directions. *Musculoskeletal Science and Practice*, *27*, S38–S41. https://doi.org/10.1016/j.msksp.2016.12.011

Meirhaeghe, N., Bayet, V., Paubel, P. V., & Mélan, C. (2020). Selective facilitation of egocentric mental transformations under short-term microgravity. *Acta Astronautica*, *170*, 375–385. https://doi.org/10.1016/j.actaastro.2020.01.039

Min, R., Chen, Z., Wang, Y., Deng, Z., Zhang, Y., & Deng, Y. (2021). Quantitative proteomic analysis of cortex in the depressive-like behavior of rats induced by the simulated complex space environment. *Journal of Proteomics*, *237*. https://doi.org/10.1016/j.jprot.2021.104144

Oluwafemi, F. A., Abdelbaki, R., Lai, J. C. Y., Mora-Almanza, J. G., & Afolayan, E. M. (2021). A review of astronaut mental health in manned missions: Potential interventions for cognitive and mental health challenges. In *Life Sciences in Space Research* (Vol. 28, pp. 26–31). Elsevier Ltd. https://doi.org/10.1016/j.lssr.2020.12.002

Palinkas, L. A., & Suedfeld, P. (2021). Psychosocial issues in isolated and confined extreme environments. In *Neuroscience and Biobehavioral Reviews* (Vol. 126, pp. 413–429). Elsevier Ltd. https://doi.org/10.1016/j.neubiorev.2021.03.032

Ritsher, J. B. (2021). On: Sun. In *Aviation, Space, and Environmental Medicine •* (Vol. 76, Issue 6).

Robertson, J. M., Dias, R. D., Gupta, A., Marshburn, T., Lipsitz, S. R., Pozner, C. N., Doyle, T. E., Smink, D. S., Musson, D. M., & Yule, S. (2020). Medical Event Management for Future Deep Space Exploration Missions to Mars. *Journal of Surgical Research*, *246*, 305–314. https://doi.org/10.1016/j.jss.2019.09.065

Roda, A., Mirasoli, M., Guardigli, M., Zangheri, M., Caliceti, C., Calabria, D., & Simoni, P. (2018). Advanced biosensors for monitoring astronauts’ health during long-duration space missions. In *Biosensors and Bioelectronics* (Vol. 111, pp. 18–26). Elsevier Ltd. https://doi.org/10.1016/j.bios.2018.03.062

Romanella, S. M., Sprugnoli, G., Ruffini, G., Seyedmadani, K., Rossi, S., & Santarnecchi, E. (2020). Noninvasive Brain Stimulation & Space Exploration: Opportunities and Challenges. In *Neuroscience and Biobehavioral Reviews* (Vol. 119, pp. 294–319). Elsevier Ltd. https://doi.org/10.1016/j.neubiorev.2020.09.005

Salamon, N., Grimm, J. M., Horack, J. M., & Newton, E. K. (2018). Application of virtual reality for crew mental health in extended-duration space missions. In *Acta Astronautica* (Vol. 146, pp. 117–122). Elsevier Ltd. https://doi.org/10.1016/j.actaastro.2018.02.034

Santy, P. A. (1990). Psychological health maintenance on space station freedom. *Journal of Spacecraft and Rockets*, *27*(5), 482–485. https://doi.org/10.2514/3.26169

Scheuring, R. A., Jones, J. A., Novak, J. D., Polk, J. D., Gillis, D. B., Schmid, J., Duncan, J. M., & Davis, J. R. (2008). The Apollo Medical Operations Project: Recommendations to improve crew health and performance for future exploration missions and lunar surface operations. *Acta Astronautica*, *63*(7–10), 980–987. https://doi.org/10.1016/j.actaastro.2007.12.065

Seguin, A. M. (2005). Engaging space: Extraterrestrial architecture and the human psyche. *Acta Astronautica*, *56*(9–12), 980–995. https://doi.org/10.1016/j.actaastro.2005.01.026

Sirmons, T. A., Roma, P. G., Whitmire, A. M., Smith, S. M., Zwart, S. R., Young, M., & Douglas, G. L. (2020). Meal replacement in isolated and confined mission environments: Consumption, acceptability, and implications for physical and behavioral health. *Physiology and Behavior*, *219*. https://doi.org/10.1016/j.physbeh.2020.112829

Suhir, E. (2021). Astronaut’s performance vs. his/hers human-capacity-factor and state-of-health: Application of double-exponential-probability-distribution function. *Acta Astronautica*, *178*, 250–256. https://doi.org/10.1016/j.actaastro.2020.07.017

Zhang, J., Pang, L., Cao, X., Wanyan, X., Wang, X., Liang, J., & Zhang, L. (2020). The effects of elevated carbon dioxide concentration and mental workload on task performance in an enclosed environmental chamber. *Building and Environment*, *178*. https://doi.org/10.1016/j.buildenv.2020.106938