NOTES
Publications are listed in reverse chronological order, and include journal articles, abstracts, and technical reports. MVL student theses are indexed in a separate list, "Man-Vehicle Laboratory Theses," which is available upon request. Copies of all publications are available in limited numbers upon request. When requesting publications, give the MVL publication number listed with each citation. Numbers are assigned when author makes publication available for distribution, usually when it is accepted for publication or is in press. Some publication numbers are missing from sequence because the manuscripts originally assigned to them were reassigned to the year of actual publication in the open literature.
2020


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18.03 Young, L.R., “A tribute to the late Prof. Leon Trilling”, May 31, 2018, MIT


18.05 J Stroming and D Newman, Data Visualization for Citizen Engagement in Ocean Environmental Challenges, Observing the Anthropocene from Space, COSPAR 2018, Pasadena, CA.


18.20 Diaz Artiles, A., T. Heldt, and L.R. Young, Short-Term Cardiovascular Response to Short-Radius Centrifugation with and without Ergometer Exercise. Frontiers in Physiology, November 2018, Volume 9, Article 1492, pp. 1-16


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17.13 Newman, Dava, Big Picture Science ‘It’s In Material”, October 2017


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16.08 Young, L.R., Karmali, F., Galvan-Garza, R., Clark, T.K., "Changing Gravity Levels – Manual Control and Spatial Orientation Adaptation During Hypo-Gravity Centrifugation", (Slides), IAC 2016, Mexico


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15.23 Oman, C. M.” “Towards Integrated Countermeasures for Deep Space Exploration: Vestibular Function for Balance and Beyond”, Vestibular-Autonomic Responses Session, NSBRI Workshop, Houston, TX, May 7, 2015


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15.29 Diaz Artiles, A., Heldt, T., Young, L.R., “Artificial gravity and Ergometer Exercise on the Cardiovascular System”, manuscript submitted to JAP, November 2015


15.52 Sebastian Pfotenhaus, Danielle R Wood, Daniel Roos, Dava J Newman, "International university partnerships as
instruments for capacity-building in science, technology, and innovation: A systems architecture analysis of four MIT collaborations*, submitted to Research Policy, January 2015


15.59 Duda, Kevin R.; Vasquez, Rebecca A.; Middleton, Akil J.; Hansberry, Mitchell L.; Newman, Dava J.; Jacobs, Shane E.; West, John J. "The Variable Vector Countermeasure Suit (V2Suit) for space habitation and exploration", April 2015


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14.02 Diaz, A., Young, L.R., "Human Modeling and Experimentation under Artificial gravity using the MIT Compact Radius Centrifuge", poster for NASA’s Human Research Program Investigators' Workshop, Galveston, TX, Feb. 11-13, 2014


14.04 Young, L.R., “Sensory-Motor Adaptation What Have We Learned in 40 Years?”, Powerpoint presentation, WCBR 2014, Steamboat Springs, CO


14.12 Young, L.R., Beckers, N.W.M., Karmali, F., Clark, T.K. "Countermeasures to Reduce Sensorimotor Impairment and Space Motion Sickness Results from Altered Gravity Levels" NASA Human Research Program Investigator's Workshop, Feb. 11-13, 2014, Galveston, TX (abstract and presentation).


14.39 Holschuh, Brad; Newman, Dava "Low spring index, large displacement Shape Memory Alloy (SMA) coil actuators for use in macro- and micro-systems". March 2014


14.41 Holschuh, Bradley; Obropta, Edward; Newman, Dava "Low Spring Index NiTi Coil Actuators for Use in Active Compression Garments". June 2014

14.42 ExecutiveGov.com "MIT Professor Dava Newman To Be Nominated NASA Deputy Administrator", October 2014


2013


13.02 L. R. Young1, C. M. Oman1, T. K. Clark1, 2, S. E. Tritchler1, K. R. Duda2, S. J. Wood3, and A. Estrada4 SENSORIMOTOR DISPLAYS AND CONTROLS TO ENHANCE SAFETY OF HUMAN/MACHINE COOPERATION DURING LUNAR LANDING: PROJECT REVIEW, Abstract, Human Research Program Investigators' Workshop, Galveston, TX, Feb. 12-14, 2013


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13.17 Young, L.R., “Padding- From Helmets to Towers” ppt. slides presented at the 2013 20th ISSS Congress, Bariloche, Argentina, Aug 4, 2013


13.20 Young, L.R., “Models for Adaptation of the VOR”, Motion Sensing, Montreal, July 14, 2013


13.35 Oman, Charles; Young, Laurence; Newman, Dava; Hoffman, Jeffrey; Zotos, Elizabeth "MVL@50: Historical photos of MIT Man Vehicle Lab 1962-2012". May 2013


13.37 Business Insider "This New Form-Fitting Spacesuit Could Revolutionize How Astronauts Move In Space"., December 2013

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12.49 Gombolay, Matthew, Shah, Julie, “A Uniprocessor Scheduling Policy for Non-Preemptive Task Sets with Precedence and Temporal Constraints”, AIAA Infotech@Aerospace; Garden Grove, California; June 2012.


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12.64 MVL@50 – Program Brochure, September 14, 2012

12.65 Young, L.R., “My Second Quarter Century with the MIT Man-Vehicle Lab (1987-2012), included in the MVL @50 Program Brochure, September 14, 2012


12.75 MIT Professor Has Created a Safer, Skin Tight Space Suit That Will Make It Easier to Work on Mars., September 2012


2011

11.01 see 12.28


Press, Special Issue, Abstracts from the Eight Symposium on the Role of the Vestibular Organs in Space Exploration, Houston, TX, April 8-10, 2011


11.16 Bachman, L.L.Jr., Mateus, J., Hargens, A.R., "Hemodynamics of Bone and Muscle in the Lower Limb with Head-up and Head-down Tilt", 18th IAA Humans in Space Symposium, April 11-15, 2011, Houston, TX


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11.40 Young, L.R., YT Li Memorial – Draft 6 Sept. 2, 2011


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10.04 Young, LR; Stimpson, AJ; Clark, TK; Duda, KR; Oman, CM. Sensorimotor Controls and Displays for Safe and Precise Lunar Landing. 61st International Astronautical Congress. Prague, Czech Republic. Sept. 27 - Oct. 1, 2010


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Bonn, Germany: 1st-4th September, 2009


Big Sky, Montana, March 6-13, 2011


10.11 see 12.56 -


10.14 see 10.15


10.18 See 10.20


10.20. see 12.19


10.23 Young, L.R., “VOR Adaptation”, Reykholt, Iceland, Barany Satellite Meeting to Honor Jay Goldberg, August 2010.


10.40 Sheehan, Scott, Jarchow, Thomas, Young, Laurence R., “Artificial Gravity: Head turn Velocity Modulation of Cross-Coupled Stimulus Magnitude”, Poster


2009


09.09 Young, L.R. “Cutting Wholesome Sports”, NY Times, May 3, 2009


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09.16 Jarchow, T., Young, L.R., “Neurovestibular Effects of Bed Rest and Centrifugation”, Journal of Vestibular Research, Special Issue for the Strategic Planning Activity on Aerospace Medical and Human Factors Challenges and Celebration Honoring Dr. Charles M. Oman, Director of the MVL on this 65th Birthday, March 5, 2009, MIT, Marlar Lounge, Room 37-252, Volume 20, Numbers 1,2, 2010, 45-51, IOS Press

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92.26  Refer to 93.21

92.27  Refer to 93.22

92.28  Refer to 93.23

92.29  Refer to 93.24

92.30  Refer to 93.10

92.31  Refer to 93.7

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