

ELSC Member's Publications: July-December 2020

1. Adelman Z, Joskowicz L. Deformable registration and region-of-interest image reconstruction in sparse repeat CT scanning. *J Xray Sci Technol.* 2020;28(6):1069-1089. doi: 10.3233/XST-200706. PMID: 32925163.
2. Advani MS, Saxe AM, Sompolinsky H. High-dimensional dynamics of generalization error in neural networks. *Neural Netw.* 2020 Dec;132:428-446. doi: 10.1016/j.neunet.2020.08.022. Epub 2020 Sep 5. PMID: 33022471; PMCID: PMC7685244.
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4. Agmon H, Burak Y. A theory of joint attractor dynamics in the hippocampus and the entorhinal cortex accounts for artificial remapping and grid cell field-to-field variability. *Elife.* 2020 Aug 11;9:e56894. doi: 10.7554/eLife.56894. PMID: 32779570; PMCID: PMC7447444.
5. Aleixandre-Carrera F, Engelmayer N, Ares-Suárez D, Acosta MDC, Belmonte C, Gallar J, Meseguer V, Binshtok AM. Optical Assessment of Nociceptive TRP Channel Function at the Peripheral Nerve Terminal. *Int J Mol Sci.* 2021 Jan 6;22(2):E481. doi: 10.3390/ijms22020481. PMID: 33418928.
6. Amir, N., Suliman, R., Tal, M., Shifman, S., Tishby, N., & Nelken, I. (2020). Value-complexity tradeoff explains mouse navigational learning. *PLOS Computational Biology*, 16(12), e1008497.
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9. Benady A, Zadik S, Eimerl D, Heymann S, Bergman H, Israel Z, Raz A. Sedative drugs modulate the neuronal activity in the subthalamic nucleus of parkinsonian patients. *Sci Rep.* 2020 Sep 3;10(1):14536. doi: 10.1038/s41598-020-71358-3. PMID: 32884017; PMCID: PMC7471283.
10. Ben-Ami R, Klochendler A, Seidel M, Sido T, Gurel-Gurevich O, Yassour M, Meshorer E, Benedek G, Fogel I, Oiknine-Djian E, Gertler A, Rotstein Z, Lavi B, Dor Y, Wolf DG, Salton M, Drier Y; Hebrew University-Hadassah COVID-19 diagnosis team (2020) Large-scale implementation of pooled RNA extraction and RT-PCR for SARS-CoV-2 detection. *Clin Microbiol Infect.* 6(9):1248-53
11. Berman S, Backner Y, Krupnik R, Paul F, Petrou P, Karussis D, Levin N, Mezer AA. Conduction delays in the visual pathways of progressive multiple sclerosis patients covary with brain structure. *Neuroimage.* 2020 Nov 1;221:117204. doi: 10.1016/j.neuroimage.2020.117204. Epub 2020 Aug 1. PMID: 32745679.
12. Bruckert L, Travis KE, Mezer AA, Ben-Shachar M, Feldman HM. Associations of Reading Efficiency with White Matter Properties of the Cerebellar Peduncles in Children. *Cerebellum.* 2020 Dec;19(6):771-777. doi: 10.1007/s12311-020-01162-2. PMID: 32642932; PMCID: PMC7606658.
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