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Barulli, D., & Stern, Y. (2013). Efficiency, capacity, compensation, maintenance, plasticity: emerging concepts in cognitive reserve. *Trends in Cognitive Sciences*, 17(10), 10.1016/j.tics.2013.08.012. <http://doi.org/10.1016/j.tics.2013.08.012>

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Gu, L.-H., Chen, J., Gao, L.-J., Shu, H., Wang, Z., Liu, D., ... Zhang, Z.-J. (2017). The Effect of Apolipoprotein E ϵ 4 (APOE ϵ 4) on Visuospatial Working Memory in Healthy Elderly and Amnesic Mild Cognitive Impairment Patients: An Event-Related Potentials Study. *Frontiers in Aging Neuroscience*, 9, 145. <http://doi.org/10.3389/fnagi.2017.00145>

Premi, E., Grassi, M., van Swieten, J., Galimberti, D., Graff, C., Masellis, M., ... on behalf of the Genetic FTD Initiative (GENFI). (2017). Cognitive reserve and *TMEM106B* genotype modulate brain damage in presymptomatic frontotemporal dementia: a GENFI study. *Brain*, 140(6), 1784–1791. <http://doi.org/10.1093/brain/awx103>

Stelzel, C., Schauenburg, G., Rapp, M. A., Heinzl, S., & Granacher, U. (2017). Age-Related Interference between the Selection of Input-Output Modality Mappings and Postural Control—a Pilot Study. *Frontiers in Psychology*, 8, 613. <http://doi.org/10.3389/fpsyg.2017.00613>

Müller, P., Rehfeld, K., Schmicker, M., Hökelmann, A., Dordevic, M., Lessmann, V., ... Müller, N. G. (2017). Evolution of Neuroplasticity in Response to Physical Activity in Old Age: The Case for Dancing. *Frontiers in Aging Neuroscience*, 9, 56. <http://doi.org/10.3389/fnagi.2017.00056>

Heinzl, S., Rimpel, J., Stelzel, C., & Rapp, M. A. (2017). Transfer Effects to a Multimodal Dual-Task after Working Memory Training and Associated Neural Correlates in Older Adults – A Pilot Study. *Frontiers in Human Neuroscience*, 11, 85. <http://doi.org/10.3389/fnhum.2017.00085>

- Gregory, S., Long, J. D., Klöppel, S., Razi, A., Scheller, E., Minkova, L., ... Rees, G. (2017). Operationalizing compensation over time in neurodegenerative disease. *Brain*, *140*(4), 1158–1165. <http://doi.org/10.1093/brain/awx022>
- Hershaw, J. N., Barry, D. M., & Ettenhofer, M. L. (2017). Increased risk for age-related impairment in visual attention associated with mild traumatic brain injury: Evidence from saccadic response times. *PLoS ONE*, *12*(2), e0171752. <http://doi.org/10.1371/journal.pone.0171752>
- MacPherson, S. E., Healy, C., Allerhand, M., Spanò, B., Tudor-Sfetea, C., White, M., ... Cipolotti, L. (2017). Cognitive reserve and cognitive performance of patients with focal frontal lesions. *Neuropsychologia*, *96*, 19–28. <http://doi.org/10.1016/j.neuropsychologia.2016.12.028>
- Krugers, H. J., Arp, J. M., Xiong, H., Kanatsou, S., Lesuis, S. L., Korosi, A., ... Lucassen, P. J. (2017). Early life adversity: Lasting consequences for emotional learning. *Neurobiology of Stress*, *6*, 14–21. <http://doi.org/10.1016/j.ynstr.2016.11.005>
- Balaban, C., Hoffer, M. E., Szczupak, M., Snapp, H., Crawford, J., Murphy, S., ... Kiderman, A. (2016). Oculomotor, Vestibular, and Reaction Time Tests in Mild Traumatic Brain Injury. *PLoS ONE*, *11*(9), e0162168. <http://doi.org/10.1371/journal.pone.0162168>
- Schwartz, C. E., Dwyer, M. G., Benedict, R., Weinstock-Guttman, B., Bergsland, N. P., Li, J., ... Zivadinov, R. (2016). Reserve-related activities and MRI metrics in multiple sclerosis patients and healthy controls: an observational study. *BMC Neurology*, *16*, 108. <http://doi.org/10.1186/s12883-016-0624-1>
- Steffener, J., Gazes, Y., Habeck, C., & Stern, Y. (2016). The Indirect Effect of Age Group on Switch Costs via Gray Matter Volume and Task-Related Brain Activity. *Frontiers in Aging Neuroscience*, *8*, 162. <http://doi.org/10.3389/fnagi.2016.00162>
- Lin, M.-I. B., & Lin, K.-H. (2016). Walking while Performing Working Memory Tasks Changes the Prefrontal Cortex Hemodynamic Activations and Gait Kinematics. *Frontiers in Behavioral Neuroscience*, *10*, 92. <http://doi.org/10.3389/fnbeh.2016.00092>
- Marques, P., Moreira, P., Magalhães, R., Costa, P., Santos, N., Zihl, J., ... Sousa, N. (2016). The functional connectome of cognitive reserve. *Human Brain Mapping*, *37*(9), 3310–3322. <http://doi.org/10.1002/hbm.23242>
- Xu, W., Wang, H.-F., Tan, L., Tan, M.-S., Tan, C.-C., Zhu, X.-C., ... Fargher, K. (2016). The impact of *PICALM* genetic variations on reserve capacity of posterior cingulate in AD continuum. *Scientific Reports*, *6*, 24480. <http://doi.org/10.1038/srep24480>
- Meade, C. S., Cordero, D. M., Hobkirk, A. L., Metra, B. M., Chen, N., & Huettel, S. A. (2016). Compensatory activation in fronto-parietal cortices among HIV-infected persons during a monetary decision-making task. *Human Brain Mapping*, *37*(7), 2455–2467. <http://doi.org/10.1002/hbm.23185>
- Hosseini, S. H., Pritchard-Berman, M., Sosa, N., Ceja, A., & Kesler, S. R. (2016). Task-Based Neurofeedback Training: A Novel Approach Toward Training Executive

Functions. *NeuroImage*, 134, 153–159.

<http://doi.org/10.1016/j.neuroimage.2016.03.035>

Simpson, S. L., & Laurienti, P. J. (2016). Disentangling Brain Graphs: A Note on the Conflation of Network and Connectivity Analyses. *Brain Connectivity*, 6(2), 95–98.

<http://doi.org/10.1089/brain.2015.0361>

Buchman, A. S., Yu, L., Boyle, P. A., Schneider, J. A., De Jager, P. L., & Bennett, D. A. (2016). Higher brain *BDNF* gene expression is associated with slower cognitive decline in older adults. *Neurology*, 86(8), 735–741.

<http://doi.org/10.1212/WNL.0000000000002387>

Arenaza-Urquijo, E. M., Gonneaud, J., Fouquet, M., Perrotin, A., Mézenge, F., Landeau, B., ... Chételat, G. (2015). Interaction between years of education and *APOE* ϵ 4 status on frontal and temporal metabolism. *Neurology*, 85(16), 1392–1399. <http://doi.org/10.1212/WNL.0000000000002034>

Arenaza-Urquijo, E. M., Wirth, M., & Chételat, G. (2015). Cognitive reserve and lifestyle: moving towards preclinical Alzheimer's disease. *Frontiers in Aging Neuroscience*, 7, 134. <http://doi.org/10.3389/fnagi.2015.00134>

Klöppel, S., Gregory, S., Scheller, E., Minkova, L., Razi, A., Durr, A., ... the Track-On investigators. (2015). Compensation in Preclinical Huntington's Disease: Evidence From the Track-On HD Study. *EBioMedicine*, 2(10), 1420–1429.

<http://doi.org/10.1016/j.ebiom.2015.08.002>

Ward, D. D., Summers, M. J., Saunders, N. L., Ritchie, K., Summers, J. J., & Vickers, J. C. (2015). The *BDNF* Val66Met polymorphism moderates the relationship between cognitive reserve and executive function. *Translational Psychiatry*, 5(6), e590–. <http://doi.org/10.1038/tp.2015.82>

Soldan, A., Pettigrew, C., Lu, Y., Wang, M.-C., Selnes, O., Albert, M., ... BIOCARD Research Team. (2015). Relationship of medial temporal lobe atrophy, *APOE* genotype, and cognitive reserve in preclinical Alzheimer's disease. *Human Brain Mapping*, 36(7), 2826–2841. <http://doi.org/10.1002/hbm.22810>

Ballesteros, S., Mayas, J., Prieto, A., Toril, P., Pita, C., Laura, P. de L., ... Waterworth, J. A. (2015). A randomized controlled trial of brain training with non-action video games in older adults: results of the 3-month follow-up. *Frontiers in Aging Neuroscience*, 7, 45. <http://doi.org/10.3389/fnagi.2015.00045>

De Gobbi Porto, F. H., Fox, A. M., Tusch, E. S., Sorond, F., Mohammed, A. H., & Daffner, K. R. (2015). In vivo evidence for neuroplasticity in older adults. *Brain Research Bulletin*, 114, 56–61. <http://doi.org/10.1016/j.brainresbull.2015.03.004>

Fleischman, D. A., Yang, J., Arfanakis, K., Arvanitakis, Z., Leurgans, S. E., Turner, A. D., ... Buchman, A. S. (2015). Physical activity, motor function, and white matter hyperintensity burden in healthy older adults. *Neurology*, 84(13), 1294–1300.

<http://doi.org/10.1212/WNL.0000000000001417>

Gurnani, A. S., John, S. E., & Gavett, B. E. (2015). Regression-Based Norms for a Bi-factor Model for Scoring the Brief Test of Adult Cognition by Telephone (BTACTION). *Archives of Clinical Neuropsychology*, 30(3), 280–291.

<http://doi.org/10.1093/arclin/acv005>

- Hughes, T. F., Becker, J. T., Lee, C.-W., Chang, C.-C. H., & Ganguli, M. (2015). Independent and combined effects of cognitive and physical activity on incident MCI. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 11(11), 1377–1384. <http://doi.org/10.1016/j.jalz.2014.11.007>
- Caselli, R. J., Dueck, A. C., Locke, D. E. C., Baxter, L. C., Woodruff, B. K., & Geda, Y. E. (2015). Sex-Based Memory Advantages and Cognitive Aging: A Challenge to the Cognitive Reserve Construct? *Journal of the International Neuropsychological Society: JINS*, 21(2), 95–104. <http://doi.org/10.1017/S1355617715000016>
- Ganguli, M., Lee, C.-W., Snitz, B. E., Hughes, T. F., McDade, E., & Chang, C.-C. H. (2015). Rates and risk factors for progression to incident dementia vary by age in a population cohort. *Neurology*, 84(1), 72–80. <http://doi.org/10.1212/WNL.0000000000001113>
- Speer, M. E., & Soldan, A. (2015). Cognitive reserve modulates ERPs associated with verbal working memory in healthy younger and older adults. *Neurobiology of Aging*, 36(3), 1424–1434. <http://doi.org/10.1016/j.neurobiolaging.2014.12.025>
- Mauras, N., Mazaika, P., Buckingham, B., Weinzimer, S., White, N. H., Tsalikian, E., ... Reiss, A. L. (2015). Longitudinal Assessment of Neuroanatomical and Cognitive Differences in Young Children With Type 1 Diabetes: Association With Hyperglycemia. *Diabetes*, 64(5), 1770–1779. <http://doi.org/10.2337/db14-1445>
- Skoe, E., & Kraus, N. (2014). Auditory Reserve and the Legacy of Auditory Experience. *Brain Sciences*, 4(4), 575–593. <http://doi.org/10.3390/brainsci4040575>
- Walton, C. C., Kavanagh, A., Downey, L. A., Lomas, J., Camfield, D. A., & Stough, C. (2015). Online cognitive training in healthy older adults: a preliminary study on the effects of single versus multi-domain training. *Translational Neuroscience*, 6(1), 13–19. <http://doi.org/10.1515/tnsci-2015-0003>
- Scheller, E., Minkova, L., Leitner, M., & Klöppel, S. (2014). Attempted and Successful Compensation in Preclinical and Early Manifest Neurodegeneration – A Review of Task fMRI Studies. *Frontiers in Psychiatry*, 5, 132. <http://doi.org/10.3389/fpsy.2014.00132>
- Grossman, E. (2014). Time after Time: Environmental Influences on the Aging Brain. *Environmental Health Perspectives*, 122(9), A238–A243. <http://doi.org/10.1289/ehp/122-A238>
- Reuter-Lorenz, P. A., & Park, D. C. (2014). How Does it STAC Up? Revisiting the Scaffolding Theory of Aging and Cognition. *Neuropsychology Review*, 24(3), 355–370. <http://doi.org/10.1007/s11065-014-9270-9>
- Wilson, R. S., Boyle, P. A., Yang, J., James, B. D., & Bennett, D. A. (2015). Early Life Instruction in Foreign Language and Music and Incidence of Mild Cognitive Impairment. *Neuropsychology*, 29(2), 292–302. <http://doi.org/10.1037/neu0000129>
- Koch, K., Myers, N. E., Göttler, J., Pasquini, L., Grimmer, T., Förster, S., ... Sorg, C. (2015). Disrupted Intrinsic Networks Link Amyloid- β Pathology and Impaired Cognition in Prodromal Alzheimer's Disease. *Cerebral Cortex (New York, NY)*, 25(12), 4678–4688. <http://doi.org/10.1093/cercor/bhu151>

McGrath, J. J., Wray, N. R., Pedersen, C. B., Mortensen, P. B., Greve, A. N., & Petersen, L. (2014). The association between family history of mental disorders and general cognitive ability. *Translational Psychiatry*, 4(7), e412–. <http://doi.org/10.1038/tp.2014.60>

Kolb, B., & Muhammad, A. (2014). Harnessing the power of neuroplasticity for intervention. *Frontiers in Human Neuroscience*, 8, 377. <http://doi.org/10.3389/fnhum.2014.00377>

Steffener, J., Barulli, D., Habeck, C., O'Shea, D., Razlighi, Q., & Stern, Y. (2014). The Role of Education and Verbal Abilities in Altering the Effect of Age-Related Gray Matter Differences on Cognition. *PLoS ONE*, 9(3), e91196. <http://doi.org/10.1371/journal.pone.0091196>

Cabello, R., Navarro Bravo, B., Latorre, J. M., & Fernández-Berrocal, P. (2014). Ability of university-level education to prevent age-related decline in emotional intelligence. *Frontiers in Aging Neuroscience*, 6, 37. <http://doi.org/10.3389/fnagi.2014.00037>

Rudner, M., & Lunner, T. (2014). Cognitive Spare Capacity and Speech Communication: A Narrative Overview. *BioMed Research International*, 2014, 869726. <http://doi.org/10.1155/2014/869726>

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