

COGNITION

Basic Research

Alain, C., Cortese, F., & Picton, T.W. 1998. Event-related brain activity associated with auditory pattern processing. *Neuroreport*, 9, 3537-3541.

Alain, C., Woods, D.L., & Knight, R.T. 1998. A distributed cortical network for auditory sensory memory in humans. *Brain Research*, 812, 23-37.

Almli, C.R. & Finger, S. 1992. Brain injury and recovery of function: Theories and mechanisms of functional reorganization. *Journal of Head Trauma Rehabilitation*, 7, 70-77.

Altenmueller, Eckart, Schuermann, K., Lim, V.K., & Parlitz, D. 2002. Hits to the left, flops to the right: Different emotions during listening to music are reflected in cortical lateralization patterns. *Neuropsychologia*, 40 (13), 2242-2256.

Andrews, M.W. & Dowling, W.J. 1991. The development of perception of interleaved melodies and control of auditory attention. *Music Perception*, 8 (4), 349-368.

Anzou, P., Eustache, F., Etevenon, P., Platel, H., Rioux, P., Lambert, J., Lechevalier, B., Zarifian, E., & Baron, J.C. 1995. Topographic EEG activations during timbre and pitch discrimination tasks using musical sounds. *Neuropsychologia*, 33, 25-37.

Arias Gomez, M. 2007. Music and Neurology. *Neurologia*, 22 (1), 39-45.

Baddeley, A.D. 2002. The psychology of memory. In A.D. Baddeley, M.D. Kopelman, & B.A. Wilson (Eds.), *The Handbook of Memory Disorders* (pp. 3-15). West Sussex, England: John Wiley & Sons, Ltd.

Baddeley, A.D. & Logie, R. 1992. Auditory imagery and working memory. In D. Reisberg (Ed.), *Auditory Imagery* (pp. 179-198). Hillsdale, NJ: Lawrence Erlbaum Associates, Publishers.

Balaban, M.T., Anderson, L.M., & Wisniewski, A.B. 1998. Lateral asymmetries in infant melody perception. *Developmental Psychology*, 34, 39-48.

Baumann, S., Meyer, M., & Jancke, L. 2008. Enhancement of auditory-evoked potentials in musicians reflects an influence of expertise but not selective attention. *Journal of Cognitive Neuroscience*, 20, 2238-2249.

Becker, M.W. & Rasmussen, I.P. 2007. The rhythm aftereffect: support for time sensitive neurons with broad overlapping tuning curves. *Brain & Cognition*, 64, 274-281.

Bennett, T., Raymond, M., Malia, K., Bewick, K., & Linton, B. 1998. Rehabilitation of attention and concentration deficits following brain injury. *Journal of Cognitive Rehabilitation*, 16, 8-13.

Ben Yishay, Y., Piassetzky, L., & Rattock, J. 1987. A systematic method for ameliorating disorders in basic attention. In M. Meier, A. Benton, & L. Diller (Eds.), *Neuropsychological Rehabilitation* (pp. 165-181). New York, NY: Gilford.

Ben Yishay, Y., Rattock, J., Ross, B., Lakin, P., Cohen, J., & Diller, L. 1980. A remedial module for the systematic amelioration of basic attentional disturbances in head trauma patients. In Y. Ben Yishay (Ed.), *Working Approaches to Remediation of Cognitive Deficits in Brain Damaged Persons*. New York, NY: New York University Medical Center.

Berg, I.J., Koning-Haanstra, M., & Deelman, B.G. 1991. Long-term effects of memory rehabilitation: A controlled study. *Neuropsychological Rehabilitation*, 1, 97-111.

Berlyne, D.E. 1971. *Aesthetics and Psychobiology*. New York, NY: Appleton, Century & Crofts.

Bernardi L, Porta C, Casucci G, Balsamo R, Bernardi NF, Fogari R, Sleight P. 2009. Dynamic interactions between musical, cardiovascular, and cerebral rhythms in humans. *Circulation*. 119 (25), 3171-80.

Besson, M., Schon, D., Moreno, S., Santos, A., Magne, C. 2007. Influence of musical expertise and musical training on pitch processing in music and language. *Restorative Neurology and Neuroscience*. [E-Publication]

Bever, T.G. 1988. A cognitive theory of emotion and aesthetics in music. *Psychomusicology*, 7, 165-175.

Bharucha, J.J., Saykin, A.J., Peterson, D.V., Justus, T.C., Gibson, L.A., Cooke, D., Moritz, C.H., & Wessinger, C.M. 1998. Processing of tonal versus random musical sequences examined with fMRI. *Proceedings Society for Neuroscience*, 170.9.

Bhattacharya, J., Petsche, H., & Pereda, E. 2001. Long-range synchrony in the gamma band: Role in music perception. *Journal of Neuroscience*, 21, 6329-6337.

Bigand, E. 1997. Perceiving musical stability: The effect of tonal structure, rhythm, and musical expertise. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 808-822.

Bitterman, Y., Mukamel, R., Malach, R., Fried I., Nelken. I. 2008. Ultra-fine frequency tuning revealed in single neurons of human auditory cortex. *Nature*. [E-Publication]

Blood, A.J. & Zatorre, R.J. 2001. Intensely pleasurable responses to music correlate with activity in brain regions implicated in reward and emotion. *Proceedings of the National Academy of Sciences of the United States of America*, 98 (20), 11818-11823.

Blood, A.J., Zatorre, R.J., Bermudez, P., & Evans, A.C. 1999. Emotional responses to pleasant and unpleasant music correlate with activity in paralimbic brain regions. *Nature Neuroscience*, 2 (4), 382-387.

Blood, A.J., Zatorre, R.J., Bermudez, P., & Evans, A.C. PET study of CBF responses to musical dissonance: Neural correlates of emotional responses to music. *Proceedings Society for Neuroscience*, 368.4.

Boake, C. 1989. A history of cognitive rehabilitation of head-injured patients, 1915 to 1980. *Journal of Head Trauma Rehabilitation*, 4, 1-8.

Bonnell, A., Mottron, L., Peretz, I., Trudel, M., Gallun, E. & Bonnell, A.M. 2003. Enhanced pitch sensitivity in individuals with autism: A signal detection analysis. *Journal of Cognitive Neuroscience*, 15 (2), 226-235.

Bonnell, A.M., Faita, F., Peretz, I., & Besson, M. 2001. Divided attention between lyrics and tunes of operatic songs: Evidence for independent processing. *Perception & Psychophysics*, 63 (7), 1201-1213.

Borchgrevink, H.M. 1993. Music, brain, and medicine. *Tidsskrift for Den Norske Laegeforening*, 113, 3743-3747.

Bower, G.H. 1981. Mood and memory. *American Psychologist*, 36 (2), 129-148.

Brattico E, Alluri V, Bogert B, Jacobsen T, Vartiainen N, Nieminen S, Tervaniemi M. 2011. A Functional MRI Study of Happy and Sad Emotions in Music with and without Lyrics. *Front Psychol.* 2, 308.

Bregman, A.S. 1990. *Auditory Scene Analysis*. Cambridge, MA: Bradfords Directory.

Breitling, D. et al. 1987. Auditory perception of music measured by brain electrical activity mapping. *Neuropsychologia*, 25, 765-774.

Bröckelmann, A., Steinberg, C., Elling, L., Zwanzger, P., Pantev, C., & Junghöfer, M. (2011). Emotion-associated tones attract enhanced attention at early auditory processing: magnetoencephalographic correlates. *Journal of Neuroscience*, 21(31), 7801-7810.

Brown, W.A., Cammuso, K., Sachs, H., Winklosky, B., Muliane, J., Bernier, R., Svenson, S., Arin, D., Rosen-Shiedley, B., & Folstein, S.E. 2003. Autism-related language, personality, and cognition in people with absolute pitch: Results of a preliminary study. *Journal of Autism and Developmental Disorders*, 33 (2), 163-167.

Brown, S., Martinez, M.J., & Parsons, L.M. 2004. Passive music listening spontaneously engages limbic and paralimbic systems. *Neuroreport*, 15(13), 2033-2037.

Brown, S., Martinez, M.J., & Parsons, L.M. 2006. The neural basis of human dance. *Cerebral Cortex*, 16(8), 1157-67.

Burke, W.H., Zencius, A.H., Wesolowski, M.D., & Doubleday, F. 1991. Improving executive function disorders in brain-injured clients. *Brain Injury*, 5, 241-252.

Carruth, E.K. 1997. The effects of singing and the spaced retrieval technique on improving face-name recognition in nursing home residents with memory loss. *Journal of Music Therapy*, 34, 165-186.

Cicerone, K.D., Dahlberg, C., Kalmar, K., Langenbahn, D.M., Malec, J.F., Bergquist, T.F., Felicetti, T., Giacino, J.T., Harley, J.P., Harrington, D.E., Herzog, J., Kneipps, S., Laatsch, L., & Morse, P.A. 2000. Evidence-based cognitive rehabilitation: Recommendations for clinical practice. *Archives of Physical Medicine and Rehabilitation*, 81, 1596-1615.

Cicerone, K.D., Fraser, R.T., & Clemmons, D.C. (Eds.). 1997. *Counseling Interactions with Traumatically Brain Injured Clients*. Boca Raton, FL: St. Lucie.

Cicerone, K.D. & Giacino, J.T. 1992. Remediation of executive function deficits after traumatic brain injury. *NeuroRehabilitation*, 2, 12-22.

Cicerone, K.D. & Wood, J.C. 1987. Planning disorder after closed head injury: A case study. *Archives of Physical Medicine and Rehabilitation*, 68, 111-115.

Clarke, D.M. 1983. On the induction of depressed mood in the laboratory: Evaluation and comparison of the Velten and musical procedures. *Advances in Behavioral Research and Therapy*, 5, 27-49.

Cook, P.R. 1999. *Music, Cognition, and Computerized Sound: An Introduction to Psychoacoustics*. Cambridge, MA: MIT Press.

Correia, C.M., Muszkat, M., De Vincenzo, N.S., & De Campos, C.J. 1998. Laterality of musical functions in partial epilepsy. *Arq Neuropsiquiatr*, 56, 747-755.

Costa-Giomi, E. 2003. Young children's harmonic perception. *Annals of the New York Academy of Sciences*, 999, 477-484.

Coull, J.T., Vidal, F., Nazarian, B., & Macar, F. 2004. Functional anatomy of the attentional modulation of time estimation. *Science*, 303, 1506-1508.

Courchesne, E., Akshoomoff, N.A., & Cesialski, K.T. 1990. Shifting attention abnormalities in autism: ERP and performance evidence. In J.A. Burack (Ed.), *Attention, Development, & Psychopathology* (232-259). New York: The Guilford Press.

Crummer, G.C. et al. 1988. Neural basis for music cognition: Initial experimental findings. *Psychomusicology*, 7, 117-126.

Crystal, H., Grober, E., & David, M. 1989. Preservation of musical memory in Alzheimer's disease. *Journal of Neurology, Neurosurgery, and Psychiatry*, 52, 1415-1416.

Cusack, R., Carlyon, R., Robertson, I.H. 2000. Neglect Between but Not Within Auditory Objects. *Journal of Cognitive Neuroscience*, 12(6), 1056-1065.

Dalla Bella S, Tremblay-Champoux A, Berkowska M, Peretz I. 2012. Memory disorders and vocal performance. *Ann N Y Acad Sci*. Apr(1252),338-44.

Dawe, L.A., Platt, J.R., & Racine, R.J. 1995. Rhythm perception and differences in accent weights for musicians and nonmusicians. *Perception and Psychophysics*, 57, 905-914.

de Manzano O, Ullén F. 2012. Activation and connectivity patterns of the presupplementary and dorsal premotor areas during free improvisation of melodies and rhythms. *Neuroimage*. 63(1),272-80.

Deutsch, D. 1982. Organizational processes in music. In M. Clynes (Ed.), *Music, Mind and Brain*. New York, NY: Plenum Press, 119-131.

Drake, C., Jones, M.R., & Baruch, C. 2000. The development of rhythmic attending in auditory sequences: Attunement, referent period, focal attending. *Cognition*, 77, 251-288.

Ellis RJ, Norton AC, Overy K, Winner E, Alsop DC, Schlaug G. 2012. Differentiating maturational and training influences on fMRI activation during music processing. *Neuroimage*. 60(3),1902-12.

Elmer S, Meyer M, Jäncke L. 2012. Neurofunctional and behavioral correlates of phonetic and temporal categorization in musically trained and untrained subjects. *Cereb Cortex*. 22(3),650-8.

Epstein, D. 1985. Tempo relations: A cross-cultural study. *Music Theory Spectrum*, 7, 34-71.

Evans, J.J., Emslie, H., & Wilson, B.A. 1998. External cueing systems in the rehabilitation of executive impairments of action. *Journal of the International Neuropsychological Society*, 4, 399-408.

Evers, S., Dannert, J., Rodding, D., Rotter, G., & Ringelstein, E.B. 1999. The cerebral haemodynamics of music perception: A transcranial Doppler sonography study. *Brain*, 122, 75-85.

Fedorenko E, McDermott JH, Norman-Haignere S, Kanwisher N. 2012. Sensitivity to musical structure in the human brain. *J Neurophysiol*. 2012 Sep 26. [Epub ahead of print]

Fedorenko, E., Patel, A., Casasanto, D., Winawer, J., & Gibson, E. 2009. Structural integration in language and music: evidence for a shared system. *Memory and Cognition*, 37, 1-9.

Finke, C, Esfahani, NE, Ploner, CJ. (2012). Preservation of musical memory in an amnesic professional cellist. *Curr Biol*. 7(22), R591-2

Fishman, Y., Reser, D., Arezzo, J., & Steinschneider, M. 1998. Neural correlates of musical interval consonance and dissonance in primary auditory cortex (A1) of the awake monkey. *Proceedings Society for Neuroscience*, 157.10.

Fortin, C. & Breton, R. 1995. Temporal interval production and processing in working memory. *Perception & Psychophysics*, 57, 203-215.

Fox, P.T., Parsons, L.M., & Hodges, D.A. 1998. Neural basis of the comprehension of musical harmony, melody, and rhythm. *Proceedings Society for Neuroscience*, 695.10.

Foxx, R.M., Martella, R.C., & Marchand-Martella, N.E. 1989. The acquisition, maintenance, and generalization of problem-solving skills by closed head-injury adults. *Behavior Therapy*, 20, 61-76.

Fries, P., Reynolds, J.H., Rorie, A.E., & Desimone, R. 2001. Modulation of oscillatory neuronal synchronization by selective visual attention. *Science*, 291, 1560-1563.

Frisina, R.D. & Walton, J.P. 1988. Neural basis for music cognition: Neurophysiological foundations. *Psychomusicology*, 7, 99-107.

Fujioka, T., Trainor, L.J., Ross, B., Kakigi, R., Pantev, C. 2005. Automatic encoding of polyphonic melodies in musicians and non-musicians. *Journal of Cognitive Neuroscience*, 17 (10), 1578-92.

Galaretta, M. & Hestrin, S. 2001. Spike transmission and synchrony detection in networks of GABAergic interneurons. *Science*, 292, 2295-2299.

Garrett, D., Peterson, D.A., Andersen, C.W., & Thaut, M.H. 2003. Comparison of linear and nonlinear methods for EEG signal classification. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 11, 141-144.

Gaschler-Markefski, B. et.al. 1998. Activation of human auditory cortex in retrieval experiments: An fMRI study. *Neural Plasticity*, 6 (3), 69-75.

Geiser, E., Ziegler, E., Jancke, L., & Meyer, M. 2009. Early electrophysiological correlates of meter and rhythm processing in music perception. *Cortex*, 45, 93-102.

Graham, R. (2010). A cognitive-attentional perspective on the psychological benefits of listening. *Music And Medicine*, 2(3), 167-173.

Giles, G.M. & Clark-Wilson, J. 1993. *Brain Injury Rehabilitation: A Neurofunctional Approach*. London, England: Chapman & Hall.

Gingold, H. & Abravanel, E. 1987. Music as a mnemonic: The effects of good- and bad-music settings on verbatim recall of short passages by young children. *Psychomusicology*, 7, 25-39.

Glassman, R.B. 1999. Hypothesized neural dynamics of working memory: Several chunks might be marked simultaneously by harmonic frequencies within an octave band of brain waves. *Brain Research Bulletin*, 50, 77-93.

Glenberg, A. & Jona, M. 1991. Temporal coding in rhythm tasks revealed by modality effects. *Memory and Cognition*, 19, 514-522.

Goldstein, F.C. & Levin, H.S. 1987. Disorders of reasoning and problem-solving ability. In M.J. Meier, A.L. Benton, & L. Diller (Eds.), *Neuropsychological Rehabilitation* (pp. 327-354). New York, NY: Guilford.

Goodwin, D.M. 1989. *A Dictionary of Neuropsychology*. New York, NY: Springer-Verlag.

- Gordon, W.A. & Hibbard, M.R. 1992. Critical issues in cognitive remediation. *Neuropsychology*, 6, 361-370.
- Gottselig, J. 2001. Human neuroanatomical systems for perceiving emotion in music. *Dissertation Abstracts International*, 61 (9-B), 4591.
- Griffiths, T. D., (2012). Cortical Mechanisms for Pitch Representation. *Journal of Neuroscience*. 32 (39), pp.13333-13334.
- Griffiths, T. D. & Hall, D. A., (2012). Mapping Pitch Representation in Neural Ensembles with fMRI. *Journal of Neuroscience*. 32 (39), pp.13343-13347.
- Griffiths, T.D. 1999. Human complex sound analysis. *Clinical Science*, 96, 231-234.
- Griffiths, T.D., Buchel, C., Frackowiak, R.S., & Patterson, R.D. 1998. Analysis of temporal structure in sound by the human brain. *Nature Neuroscience*, 1, 422-427.
- [Groussard M](#), [Viader F](#), [Hubert V](#), [Landeau B](#), [Abbas A](#), [Desgranges B](#), [Eustache F](#), [Platel H](#). 2010. Musical and verbal semantic memory: two distinct neural networks? *Neuroimage*. 49(3),2764-73.
- Guzik, J. 1987. Group treatment approaches to cognitive and social needs. In P.A. Morse (Ed.), *Brain Injury: Cognitive and Prevocational Approaches to Rehabilitation* (pp. 121-144). New York, NY: Tiresias Press.
- Hachinski, K.V. & Hachinski, V. 1994. Music and the brain. *Canadian Medical Association Journal*, 151, 293-296.
- Halpern, A.R. 1988. Perceived and imagined tempos of familiar songs. *Music Perception*, 6, 193-202.
- Halpern, A.R. 1992. Musical aspects of auditory imagery. In D. Reisberg (Ed.), *Auditory Imagery* (pp. 1-26). Hillsdale, NJ: Lawrence Erlbaum Associates, Publishers.
- Halpern, A.R. & O'Connor, M. 2000. Implicit memory for music in Alzheimer's disease. *Neuropsychology*, 14 (3), 391-397.
- Handel, S. 1992. The differentiation of rhythmic structure. *Perception and Psychophysics*, 52, 497-507.
- Hannon, E.E. & Trainor, L.J. 2007. Music acquisition: effects of enculturation and formal training on development. *Trends in Cognitive Sciences*, 11, 466-472.
- Hantz, E. & Crummer, G.C. 1988. Neural basis for music cognition: Psychophysical foundations. *Psychomusicology*, 7, 109-115.
- Heaton, P. 2003. Pitch memory, labeling and disembedding in autism. *Journal of Child Psychiatry and Psychology*, 44 (4), 543-551.

- Heaton, P., Hermelin, B., & Pring, L. 1998. Autism and pitch processing: A precursor for savant musical ability? *Music Perception*, 15 (3), 291-305.
- Heaton, P., Hermelin, B., & Pring, L. 1999. Can children with autistic spectrum disorders perceive affect in music? An experimental investigation. *Psychological Medicine*, 29 (6), 1405-1410.
- Heaton, P., Pring, L., & Hermelin, B. 2001. Musical processing in high functioning children with autism. *Annals of the New York Academy of Sciences*, 930, 443-444.
- Hebb, D.O. 1949. *The Organization of Behavior: A Neuropsychological Theory*. New York, NY: Wiley.
- Herbert, S. & Pertetz, I. 1997. Recognition of music in long-term memory: Are melodic and temporal patterns equal partners? *Memory and Cognition*, 25, 518-533.
- Hickok, G. et.al. 2003. Auditory-motor interaction revealed by fMRI: Speech, music and working memory in area spt. *Journal of Cognitive Neuroscience*, 15, 673-682.
- Hinton, S.C. & Meck, W.H. 1997. The 'internal clocks' of circadian and interval timing. *Endeavor*, 21, 3-8.
- Hitch, G.J., Burgess, N., Towse, J.N., & Culpin, V. 1996. Temporal grouping effects in immediate recall: A working memory analysis. *Quarterly Journal of Experimental Psychology. A, Human Experimental Psychology*, 49A, 116-139.
- Hovland, D. & Mateer, C.A. 2000. Irritability and anger. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 187-212). New York, NY: Oxford.
- Hovland, D. & Raskin, S.A. 2000. Anxiety and posttraumatic stress. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 171-186). New York, NY: Oxford.
- Hsieh S, Hornberger M, Piguet O, Hodges JR. 2012. Brain correlates of musical and facial emotion recognition: evidence from the dementias. *Neuropsychologia*. 50(8),1814-22.
- Hugdahl, K., Brennick, K., Kyllingsbaek, S., Law, I., Gade, A., & Paulson, O.B. 1999. Brain activation during dichotic presentations of consonant-vowel and musical instrument stimuli: a 150-PET study. *Neuropsychologia*, 37, 431-440.
- Huron, D. 1992. The ramp archetype and the maintenance of passive auditory attention. *Music Perception*, 10, 83-92.
- Ikegaya, Y., Aaron, G., Cossart, R., Aronov, D., Lampl, I., Ferster, D., & Yuste, R. 2004. Synfire chains and cortical songs: Temporal modules of cortical activity. *Science*, 302, 559-564.
- Iwaki, T., Hayashi, M., & Hori, T. 1997. Changes in alpha band EEG activity in the frontal area after stimulation with music of different affective content. *Perceptual and Motor Skills*, 84, 515-526.

Iwanaga, M. & Ito, T. 2002. Disturbance effect of music on processing of verbal and spatial memories. *Perceptual and Motor Skills*, 94, 1251-1258.

Jakobson, L.S., Cuddy, L.L., & Kilgour, A.R. 2003. A key to musician's superior memory. *Music Perception*, 20, 307-313.

Janata, P. et al. 2012. Sensorimotor coupling in music and the psychology of the groove. *Journal of Experimental Psychology, General*, 141(1), 54-75.

Janata, P., Tillmann, B., & Bharucha, J.J. 2002. Listening to polyphonic music recruits domain-general attention and working memory circuits. *Cognitive Affective Behavioral Neuroscience*, 2, 121-140.

[Jerde TA](#), [Childs SK](#), [Handy ST](#), [Nagode JC](#), [Pardo JV](#). 2011. [Dissociable systems of working memory for rhythm and melody](#). *Neuroimage*. 57(4),1572-9.

Johnson JK, Chang CC, Brambati SM, Migliaccio R, Gorno-Tempini ML, Miller BL, Janata P. 2011. [Music recognition in frontotemporal lobar degeneration and Alzheimer disease](#). *Cognitive and Behavioral Neurology*. 24(2),74-84.

Jones, M.R. 1992. Attending to musical events. In M.R. Jones & S. Holleran (Eds.), *Cognitive Bases of Musical Communication* (pp. 91-110). Washington, D.C.: American Psychological Association.

Jones, M.R. 1984. The patterning of time and its effects on perceiving. *Annals of the New York Academy of Sciences*, 423, 158-167.

Kapur, N. & Graham, K.S. 2002. Recovery of memory function in neurological disease. In A.D. Baddeley, M.D. Kopelman, & B.A. Wilson (Eds.), *The Handbook of Memory Disorders* (pp. 233-248). West Sussex, England: John Wiley & Sons, Ltd.

Kay, T. 1993. Neuropsychological treatment of mild traumatic brain injury. *Journal of Head Trauma Rehabilitation*, 8, 74-85.

Kisley, M.A. & Gerstein, G.L. 1998. Variability of auditory cortex click responses as a function of preceding rhythmic activity. *Proceedings Society for Neuroscience*, 746.4.

Klein, J.M. & Reiss Jones, M. 1996. Effects of attentional set and rhythmic complexity on attending. *Perception and Psychophysics*, 58, 34-46.

Klimesch, W., Doppelmayr, M., Russeger, H., Pachinger, T., & Schwaiger, J. 1998. Induced alpha band power changes in the human EEG and attention. *Neuroscience Letters*, 244, 73-76.

Knosche, T.R., Neuhaus, C., Haueisen, J., Alter, K., Maess, B., Witte, O.W., Friederici, A.D. 2005. Perception of phrase structure in music. *Human Brain Mapping*, 24 (4), 259-73.

Koelsch, S., Schroger, E., & Tervaniemi, M. 1999. Superior pre-attentive auditory processing in musicians. *Neuroreport*, 10, 1309-1313.

- Koelsch, S., Kasper, E., Sammler, D., Schulze, K., Gunter, T., Friederici, A.D. 2004. Music, language and meaning: brain signatures of semantic processing. *Nature Neuroscience*, 7 (3), 302-7.
- Koelsch, S., Gunter, T.C., Wittfoth, M., Sammler, D. 2005. Interaction between syntax processing in language and in music: An ERP study. *Journal of Cognitive Neuroscience*, 17 (10), 1565-77.
- Kraut, R. 1992. On the possibility of a determinate semantics for music. In M. Reiss Jones & S. Halleran (Eds.), *Cognitive Bases of Musical Communication* (pp. 11-22). Washington DC: American Psychiatric Association.
- Kumar, S. & Schonwiesner, M. , (2012). Mapping Human Pitch Representation in a Distributed System Using Depth-Electrode Recordings and Modeling. *Journal of Neuroscience*. 32 (39), pp.13348-13351.
- Laaksonen, R. 1994. Cognitive training methods in rehabilitation of memory. In A.L. Christensen & B.P. Uzzell (Eds.), *Brain Injury and Neuropsychological Rehabilitation: International Perspectives* (pp. 125-132). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Langheim, F.J.P., Callicott, J.H., Mattay, V.S., Bertolino, A., Frank, J.A., & Weinberger, D.R. 1998. Cortical systems activated during imagined musical performance. *Proceedings Society for Neuroscience*, 170.8.
- Lappe, C. et al. (2011). Cortical plasticity induced by short-term multimodal musical rhythm training. *PLoS ONE*, 6(6), 1-8.
- Large, E.W. & Jones, M.R. 1999. The dynamics of attending: How people track time-varying events. *Psychological Review*, 106, 119-159.
- Lebrun-Guillaud, G., Tillman, B. 2007. Influence of a tone's tonal function on temporal change detection. *Perception & Psychophysics*, 69(8), 1450-1459.
- Lechevalier, B. 1997. [Perception of musical sounds: Contributions of positron emission topography] La perception des sons musicaux: Apports de la camera 'a positions. *Bulletin. Academie Nationale de Medecine*, 181, 1191-1199. [Abstract in English]
- Lee, S.H. & Blake, R. 1999. Visual form created solely from temporal structure. *Science*, 284, 1165-1167.
- Levitin, D.J. & Cooke, P.R. 1996. Memory for musical tempo: Additional evidence that auditory memory is absolute. *Perception and Psychophysics*, 58, 927-935.
- Lezak, M.D. 1987. Assessment for rehabilitation planning. In M.J. Meier, A.L. Benton, & L. Diller (Eds.), *Neuropsychological Rehabilitation* (pp. 41-58). New York, NY: Guilford.
- Lezak, M.D. 1995. *Neuropsychological Assessment* (3rd ed.). New York, NY: Oxford.
- Liegeois-Chauvel, C., Peretz, I., Babai, M., Laguitton, V., & Chauvel, P. 1998. Contribution of different cortical areas in the temporal lobes to music processing. *Brain*, 122, 1853-1867.

Loring, D.W. (Ed.). 1999. *INS Dictionary of Neuropsychology*. New York, NY: Oxford.

Loui P, Li HC, Schlaug G. 2011. White Matter Integrity in Right Hemisphere Predicts Pitch-Related Grammar Learning. *Neuroimage*. 55(2),500–507.

Loui, P., Wessel, D. 2007. Harmonic expectation and affect in Western music: Effects of attention and training. *Perception and Psychophysics*, 69 (7), 1084-92.

Luria, A.R. 1966. *Higher Cortical Functions in Man*. New York, NY: Basic Books.

MacFarland, D.J., Cacace, A.T., & Setzen, G. 1998. Temporal discrimination for selected auditory and visual stimulus dimensions. *Journal for Speech, Language and Hearing Research*, 41, 300-314.

Markowitsch, H.J. 2000. Neuroanatomy of memory. In E. Tulving & F.I.M. Craik (Eds.), *The Oxford Handbook of Memory*. London, England: Oxford University Press.

Martens MA, Reutens DC, Wilson SJ. 2010. Auditory cortical volumes and musical ability in Williams syndrome. *Neuropsychologia*. 48(9),2602-9.

Martin, M., & Metha, A. (1997). Recall of early childhood memories through musical mood induction. *The Arts In Psychotherapy*, 24(5), 447-454.

Mateer, C.A. 2000. Attention. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 73-92). New York, NY: Oxford.

Mateer, C.A., Sohlberg, M.M., & Cromeam, J. 1987. Focus on clinical research: Perceptions of memory function in individuals with closed head injury. *Journal of Head Trauma Rehabilitation*, 2, 74-84.

Matzel, L.D., Held, F.P., & Miller, R.R. 1988. Information and expression of simultaneous and backward associations: Implications for contiguity theory. *Learning and Motivation*, 19, 317-344.

Ménard MC, Belleville S. 2009. Musical and verbal memory in Alzheimer's disease: a study of long-term and short-term memory. *Brain and Cognition*. 71(1), 38-45.

Merriam, A.P. 1964. *The Anthropology of Music*. Evanston, IL: Northwestern University Press.

Merzenich, M.M., Schreiner, C., Jenkins, W., & Wang, X. 1993. Neural mechanisms underlying temporal integration, segmentation, and input sequence representation: Some implications for the origin of learning. In P. Tallal & A.M. Galaburda (Eds.), *Temporal information processing in the nervous system: Special reference to dyslexia and dysphasia*. *Annals of New York Academy of Sciences*, 682, 1-22.

Meyer, M., Elmer, S., Baumann, S., Jancke, L. 2007. Short-term Plasticity in the auditory system: Differential neural responses to perception and imagery of speech and music. *Restorative Neurology and Neuroscience*. [E-Publication]

Meyer, L.B. 1956. *Emotion and Meaning in Music*. Chicago, IL: The University of Chicago Press.

Mikiten, T.M. 1996. A method for research in music medicine. In R.R. Pratt & R. Spintge (Eds.), *Music Medicine, Vol. II* (pp. 14-23). St. Louis, MO: MMB Music.

Miranda, R.A., Ullman, M.T. 2007. Double dissociation between rules and memory in music: an event-related potential study. *Neuroimage*, 38(2), 331-45.

Mirsky, A.F., Anthony, B.J., Duncan, C.C., Ahearn, M.B., & Kellam, S.G. 1991. Analysis of the elements of attention: A neuropsychological approach. *Neuropsychology Review*, 2, 109-145.

Mitterschiffthaler, M., Fu, C., Dalton, J.A., Andrew, C.M., Williams, S. 2007. A functional MRI study of happy and sad affective states induced by classical music. *Human Brain Mapping*, 28(11), 1150-62.

Mondor, T.A. & Terrio, N.A. 1998. Mechanisms of perceptual organization and auditory selective attention: The role of pattern structure. *Journal of Experimental Psychology: Human Perception and Performance*, 24, 1628-1639.

Montag C, Reuter M, Axmacher N. 2011. How one's favorite song activates the reward circuitry of the brain: personality matters! *Behav Brain Res*. 225(2),511-4.

Moser, S.R. 2003. Beyond the Mozart effect: Age-related cognitive functioning in instrumental music participants. *Dissertation Abstracts International Section A: Humanities and Social Sciences*, 64(3-A), 760.

Mote J. 2011. The effects of tempo and familiarity on children's affective interpretations of music. *Emotion*. 11(3), 618-22.

Mottron, L., Peretz, I., & Menard, E. 2000. Local and global processing of music in high-functioning persons with autism: Beyond central coherence? *Journal of Child Psychology and Psychiatry*, 41 (8), 1057-1065.

Nakamura, S., Sadato, N., Oohashi, T., Nishina, E., Fuwamoto, Y., & Yonekura, Y. 1998. A new approach to music-brain interaction using simultaneous measurement of RCBF and EEG Beta rhythm. *Proceedings Society for Neuroscience*, 695.11.

Nieto del Rincon, P.L. 2008. Autism: Alterations in Auditory Perception. *Reviews in Neuroscience*, 19, 61-78.

O'Boyle, M.W., Borman, & Harts, K. 1990. How knowledge of the song influences the matching of melodies to rhythm sequences tapped in the right and left palms. *Cortex*, 26, 639-642.

O'Boyle, M.W. & Sanford, M. 1988. Hemispheric asymmetry in the matching of melodies to rhythm sequences tapped in the right and left palms. *Cortex*, 24, 211-221.

Ogata, S. 1995. Human EEG responses to classical music and simulated white noise: Effects of a musical loudness component on consciousness. *Perceptual and Motor Skills*, 80, 779-790.

Omar R, Hailstone JC, Warren JE, Crutch SJ, Warren JD. 2010. The cognitive organization of music knowledge: a clinical analysis. *Brain*. 133 (pt 4), 1200-13.

Omar R, Henley SM, Bartlett JW, Hailstone JC, Gordon E, Sauter DA, Frost C, Scott SK, Warren JD. 2011. [The structural neuroanatomy of music emotion recognition: evidence from frontotemporal lobar degeneration.](#) *Neuroimage*. 56(3),1814-21.

Oxenham, A. J., (2012). Pitch Perception. *Journal of Neuroscience*. 32 (39), pp.13335-13338.

Paavilainen, P., Jaramillo, M., Naatanen, R., & Winkler, I. 1999. Neuronal populations in the human brain extracting invariant relationships from acoustic variance. *Neuroscience Letters*, 265, 179-182.

Paraskevopoulos, E. et al. (2012). Evidence for training-induced plasticity in multisensory brain structures: An MEG study. *PLoS ONE*, 7(5), 1-9.

Parente, R. & Anderson-Parente, J.K. 1989. Retraining memory: Theory and application. *Journal of Head Trauma Rehabilitation*, 4, 55-65.

Parente, R. & Herrmann, D. 1996. Retraining Cognition: Techniques and Applications. Gaithersburg, MD: Aspen Publishers.

Parsons, L.M., Sergent, J., Hodges, D.A., & Fox, P.T. The brain basis of piano performance. *Neuropsychologia*, 43(2), 199-215.

Parsons, L. & Thaut, M.H. 2001. Functional neuroanatomy of the perception of musical rhythm in musicians and nonmusicians. *Neuroimage*, 13, 925. [Abstract]

Parsons, L. & Thaut, M.H. 2001. The functional neuroanatomy of musical rhythm perception. *Journal of Cognitive Neuroscience (suppl)*, Cognitive Neuroscience Society 8th Annual Conference, 84. [Abstract]

Pereira CS, Teixeira J, Figueiredo P, Xavier J, Castro SL, Brattico E. 2011. Music and emotions in the brain: familiarity matters. *PLoS One*. 6(11),e27241.

[Peretz I](#), [Gosselin N](#), [Belin P](#), [Zatorre RJ](#), [Plailly J](#), [Tillmann B](#). 2009. Music lexical networks: the cortical organization of music recognition. *Ann N Y Acad Sci*. Jul 1169,256-65.

Peretz, I. 1990. Processing of local and global musical information by unilateral brain-damaged patients. *Brain*, 113, 1185-1205.

Peretz, I., Gaudreau, D., & Bonnel, A.M. 1998. Exposure effects on music preference and recognition. *Memory and Cognition*, 26, 884-902.

Peretz, I. & Kolinsky, R. 1993. Boundaries of separability between melody and rhythm in music discrimination: A neuropsychological perspective. *The Quarterly Journal of Experimental Psychology*, 46A, 301-325.

Peretz, I., Zatorre, R.J. 2005. Brain organization for music processing. *Annual Review of Psychology*, 56, 89-114.

Petacchi, A., Laird, A.R., Fox, P.T., & Bower, J.M. (2005). Cerebellum and auditory function: An ALE meta-analysis of functional neuroimaging studies. *Human Brain Mapping*, 25(1), 118-128.

Peterson, D.A., Anderson, C.W., Kirby, M.J., & Thaut, M.H. 2004. Feature selection as a precursor to modeling in high-dimensional scientific discovery. *Abstracts of Papers Presented to the American Mathematical Society*, 25, 163. [Abstract]

Peterson, D.A., Anderson, C.W., & Thaut, M.H. 2002. Custom frequency band features improve single trial EEG classification in early finger movement precision. *Proceedings Society for Neuroscience*, 506.11. [Abstract]

Peterson, D.A., Anderson, C.W., & Thaut, M.H. 2003. Data mining the neural dynamics of cognition. *Journal of Cognitive Neuroscience (suppl.)*, Cognitive Neuroscience Society 10th Annual Meeting, 218. [Abstract]

Peterson, D.A., Knight, J.N., Kirby, M.J., Anderson, C.W., & Thaut, M.H. 2004. Feature selection and blind source separation in an EEG-based brain-computer interface. *Journal of Applied Signal Processing*, In Press.

Peterson, D.A., McIntosh, G.C., & Thaut, M.H. 2004. Differential predictions in spectral EEG plasticity verbal versus music-facilitated learning strategies. *Proceedings Society for Neuroscience*, In Press. [Abstract]

Peterson, D.A., Thaut, M.H., Sena, K.M., O'Shea, G., & McIntosh, G.C. 2005. Music modulates neural network synchronizations in verbal learning. *Proceedings Society for Neuroscience*, 192.20

Peterson, D.A. & Thaut, M.H. 2000. Wavelet coherence in the electroencephalogram during working memory of temporal auditory patterns. *Proceedings Society for Neuroscience*, 263.9. [Abstract]

Peterson, D.A. & Thaut, M.H. 2001. Working memory and wavelets: Interhemispheric dynamics in the temporal lobe. *Journal of Cognitive Neuroscience (suppl)*, Cognitive Neuroscience Society 8th Annual Conference, 92. [Abstract]

Peterson, D.A. & Thaut, M.H. 2002. Delay modulates spectral correlates in the EEG of non-verbal auditory working memory. *Neuroscience Letters*, 328, 17-20.

Phillips-Silver, J. & Trainor, L.J. 2008. Vestibular influence on auditory metrical interpretation. *Brain & Cognition*, 67, 94-102.

Pizzamiglio, L., Perani, D., Cappa, S.F., Vallar, G., Paolucci, S., Grassi, F., Paulesu, E., & Fazio, F. 1998. Recovery of neglect after right hemispheric damage: H₂(15)O positron emission tomographic activation study. *Archives of Neurology*, 55 (4), 561-568.

Platel, H., Price, C., Buron, J.C., Wise, R., Lambert, J., Frackowiak, R.S., Lechevalier, B., & Eustache, F. 1997. The structural components of music perception: A functional anatomical study. *Brain*, 120, 229-243.

Plenger, P.M., Breier, J.I., Wheless, J.W., Ridley, T.D., Papanicolaou, A.C., Brookshire, B., Thomas, A., Curtis, V., & Willmore, L.J. 1996. Lateralization of memory for music: Evidence from the intracarotid sodium amobarbital procedure. *Neuropsychologia*, 34, 1015-1018.

Polk, M & Kertesz, A. 1993. Music and language in degenerative disease of the brain. *Brain and Cognition*, 22, 98-117. [Two case studies]

Posner, M.I., Snyder, C.R.R., & Davidson, B.J. 1980. Attention and the detection of signals. *Journal of Experimental Psychology: General*, 109, 160-174.

Premack, D. 2004. Psychology: Is language the key to human intelligence? *Science-New York Then Washington*, 5656, 318-319.

Price, C., Thierry, G., Griffiths, T. 2005. Speech-specific auditory processing: where is it? *Trends in Cognitive Sciences*, 9(6), 271-6.

Prinz, A.A. 2006. Insights from models of rhythmic motor systems. *Current Opinion in Neurobiology*. 16(6), 615-20.

Prior, M., Kinsella, G., & Giese, J. 1990. Assessment of musical processing in brain-damaged patients: Implications for laterality of music. *Journal of Clinical & Experimental Neuropsychology*, 12, 301-312.

Prigatano, G.P. 1999. *Principles of Neuropsychological Rehabilitation*. New York, NY: Oxford.

Quinlan, P.T. & Bailey, P.J. 1995. An examination of attentional control in the auditory modality: Further evidence for auditory orienting. *Perception and Psychophysics*, 557, 614-628.

Raffman, D. 1992. Proposal for a musical semantics. In I.N. Pederson & L.O. Bonde (Eds.), *Cognitive Bases of Musical Communication* (pp. 23-32). Washington DC: American Psychiatric Association.

Rao, S.M., Mayer, A.R., & Harrington, D.L. 2001. The evolution of brain activation during temporal processing. *Nature Neuroscience*, 4, 317-323.

Raskin, S.A. 2000. Executive functions. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 113-133). New York, NY: Oxford.

Raskin, S.A. & Mateer, C.A. (Eds.). 2000. *Neuropsychological Management of Mild Traumatic Brain Injury*. New York, NY: Oxford.

- Raskin, S.A. & Stein, P.N. 2000. Depression. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 157-170). New York, NY: Oxford.
- Rauschecker, J.P. 1999. Auditory cortical plasticity: A comparison with other sensory systems. *Trends in Neurosciences*, 22, 74-80.
- Reiss Jones, M. 1992. Attending to musical events. In M.R. Jones & S. Holleran (Eds.), *Cognitive Bases of Musical Communication* (pp. 91-110). Washington, DC: American Psychological Association.
- Reiss Jones, M., Boltz, M., & Kidd, G. 1982. Controlled attending as a function of melodic and temporal context. *Perception & Psychophysics*, 32, 211-218.
- Reiss Jones, M. & Ralston, J.T. 1991. Some influences of accent structure on melody recognition. *Memory and Cognition*, 19, 8-20.
- Reitan, R.M. & Wolfson, D. 1989. The Seashore Rhythm Test and brain functions. *Clinical Neuropsychologist*, 3, 70-78.
- Repp, B.H. 1999. Detecting deviations from metronomic timing in music: Effects of perceptual structure on the mental timekeeper. *Perception & Psychophysics*, 61, 529-548.
- Rickard NS, Wong WW, Velik L. 2012. Relaxing music counters heightened consolidation of emotional memory. *Neurobiol Learn Mem.* 97(2),220-8.
- Rimmele, C.T. & Hester, R.K. 1987. Cognitive rehabilitation after traumatic head injury. *Archives of Clinical Neuropsychology*, 2, 353-384.
- Robertson, I.H. 1999. Setting goals for cognitive rehabilitation. *Current Opinion in Neurology*, 12, 703-708.
- Robertson, I.H., Mattingley, J.M., Rorden, C., & Driver, J. 1998. Phasic alerting of neglect patients overcomes their spatial deficit in visual awareness. *Nature*, 395, 169-172.
- Robertson, I.H., Nico, D., & Hood, B. 1995. The intention to act improves unilateral neglect: Two demonstrations. *Neuroreport*, 17, 246-248.
- Rogers, W.L. & Bregman, A.S. 1993. An experimental evaluation of three theories of auditory stream segregation. *Perception and Psychophysics*, 53, 179-189.
- Saito, S. 1998. Rhythmic information in working memory: Effects of concurrent articulation on reproduction of rhythms. *Japanese Psychological Research*, 40, 10-19.
- Sakai, K., Hikosaka, O., Miyauchi, S., Nielsen, M., Fujimaki, N., Takino, R., Tamada, T., & Putz, B. 1998. Neural correlates for short-term rhythm memory. *Proceedings Society for Neuroscience*, 494.12.
- Salimpoor, V., Benovoy, M., Larcher, K., Dagher, A., & Zatorre, R. (2011). Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. *Nature Neuroscience*, 14(2), 257-262.

- Samson, S. & Zatorre, R.J. 1988. Melodic and harmonic discrimination following unilateral cerebral excision. *Brain & Cognition*, 7, 348-360.
- Sarkamo, T., Tervaniemi, M., Soinila, S., Autti, T., Silvennoinen, H.M., Laine, M. & Hietanen, M. 2009. Cognitive deficits associated with acquired amusia after stroke: A neuropsychological follow-up study. *Neuropsychologia*, 47, 2642-2651.
- Sarnthein, J., von Stein, A., Rappelsberger, P., Petsche, H., Rauscher, F.H., & Shaw, G.L. 1997. Persistent patterns of brain activity: An EEG coherence study of the positive effect of music on spatial-temporal reasoning. *Neurology Research*, 19, 107-116.
- Satoh, M., Takeda, K. & Kuzuhara, S. 2007. A case of auditory agnosia with impairment of perception and expression of music: cognitive processing of tonality. *European Neurology*, 58, 70-77.
- Schacter, D.L., Wagner, A.D., & Buckner, R.L. 2000. Memory systems of 1999. In E. Tulving & F.I.M. Craik (Eds.), *The Oxford Handbook of Memory* (pp. 627-643). Oxford, England: Oxford.
- Schellenberg, E.G. 2001. Music and nonmusical abilities. *Annals of the New York Academy of Sciences*, 930, 355-371.
- Schlaug, G., Lee, L.H.L., Thangaraj, V., Edelman, R.R., & Waruch, S. 1998. Macrostructural adaptation of the cerebellum in musicians. *Proceedings Society for Neuroscience*, 842.7.
- Schlaug, G., Norton, A., Overy, K., Winner, E. 2005. Effects of music training on the child's brain and cognitive development. *Annals of the New York Academy of Sciences*, 1060, 219-30.
- Schlaug, G. 2006. Brain structures of musicians: Executive functions and morphological implications. *Music, motor control and the brain*, p.41-152.
- Schmidt, L.A., Trainor, L.J., & Santesso, D.L. 2003. Development of frontal electroencephalogram(EEG) and heart rate (ECG) responses to affective musical stimuli during the first 12 months of post-natal life. *Brain and Cognition*, 52, 27-32.
- Schubert, M., Johannes, S., Koch, M., Wieringa, B.M., Dengler, R., & Munte, T.F. 1998. Differential effects of two motor tasks on ERPs in an auditory classification task: evidence of shared cognitive resources. *Neuroscience Research*, 30, 125-134.
- Serafine, M.L. 1988. *Music as cognition: The development of thought in sound*. New York, NY: Columbia University Press.
- Sergent, J., Zuck, E. Terriah, S., & MacDonald, B. 1992. Distributed neural network underlying musical sight-reading and keyboard performance. *Science*, 257, 106-109.
- Sergent, J. 1993. Music, the brain, and Ravel. *Trends in Neuroscience*, 16, 168-171.
- Shahin, A.J., Roberts, L.E., Chau, W., Trainor, L.J., & Miller, L.M. 2008. Music training leads to the development of timbre-specific gamma band activity. *NeuroImage*, February 21. [E-Publication]

Shatin, L. 1970. Alteration of mood via music: A study of the vectoring effect. *The Journal of Psychology*, 75, 81-85.

Silverman, M. (2012). Effects of melodic complexity and rhythm on working memory as measured by digit recall performance. *Music and Medicine*, 4(1), 22-27.

Silverman, M. J. (2010). The effect of pitch, rhythm, and familiarity on working memory and anxiety as measured by digit recall performance. *Journal Of Music Therapy*, 47(1), 70-83.

Sloboda, J.A. 1985. Music, language, and meaning. *The Musical Mind* (pp. 11-66). Oxford: Clarendon Press.

Sloboda, J.A. 1985. Listening to music. *The Musical Mind* (pp. 151-193). Oxford: Clarendon Press.

Sluming, V., Brooks, J., Howard, M., Downes, J.J., Roberts, N. 2007. Broca's Area Supports Enhances Visuospatial Cognition in Orchestral Musicians. *Journal of Neuroscience*, 27(14): 3799-3806.

Smith, K.C. & Cuddy, L.L. 1989. Effects of metric and harmonic rhythm on the detection of pitch alterations in melodic sequences. *Journal of Experimental Psychology: Human Perception and Performance*, 15, 457-471.

Sohlberg, M.M. 2000. Psychotherapy approaches. In S.A. Raskin & C.A. Mateer (Eds.), *Neuropsychological Management of Mild Traumatic Brain Injury* (pp. 137-156). New York, NY: Oxford.

Sohlberg, M.M. & Mateer, C.A. 1987. Effectiveness of an attention-training program. *Journal of Clinical and Experimental Neuropsychology*, 9, 117-130.

Sohlberg, M.M. & Mateer, C.A. 1989. *Attention Process Training*. Puyallup, WA: Association for Neuropsychological Research and Development.

Sohlberg, M.M., Sprunk, H., & Metzelaar, K. 1988. Efficacy of an external cuing system in an individual with severe frontal lobe damage. *Cognitive Rehabilitation*, 6 (4), 36-41.

Sohlberg, M.M., White, O., Evans, E., & Mateer, C.A. 1992. Background and initial case studies into the effects of prospective memory training. *Brain Injury*, 6, 129-138.

[Stalinski SM](#), [Schellenberg EG](#). 2012. Listeners Remember Music They Like. *J Exp Psychol Learn Mem Cogn*. 2012 Aug 20. [Epub ahead of print]

Steele, K.M., Brown, J.D., & Stoecker, J.A. 1999. Failure to confirm the Rauscher and Shaw description of recovery of the Mozart effect. *Perceptual Motor Skills*, 88, 843-848.

Steinbeis, N., Koelsch, S. 2007. Shared Neural Resources between Music and Language Indicate Semantic Processing of Musical Tension-Resolution Patterns. *Cerebral Cortex*, September. [E-Publication]

Stephan, K.M., Thaut, M.H., Wunderlich, G., Schicks, W., Tian, B., Tellmann, L., Herzog, H., McIntosh, G.C., Seitz, R.J., & Hoemberg, V. 1999. Rhythmic auditory tracking: Evidence for three distinct cerebellar circuits. *Proceedings Society for Neuroscience*, In Press. [Abstract]

Stewart, L., Walsh, V. 2007. Music Perception: Sounds Lost In Space. *Current Trends in Biology*, October. [E-Publication]

Strait, D. and Kraus, N. (2011). Playing music for a smarter ear: Cognitive, perceptual and neurobiological evidence. *Music Perception*, 29(2), 133-146.

Strait, D.L., Kraus, N., Skoe, E., & Ashley, R. 2009. Musical expression and neural efficiency: effects of training on subcortical processing of vocal expressions of emotion. *European Journal of Neuroscience*, 29, 661-668.

Sullivan, C. 1989. Manual tracking and auditory discrimination : Is a resource explanation enough? Unpublished doctoral dissertation, Colorado State University. Department of Psychology.

Sutherland, G., Newman, B., & Rachman, S. 1982. Experimental investigations of the relations between mood and intrusive unwanted cognitions. *British Journal of Medical Psychology*, 55, 137-138.

Tate, R.L. 1997. Beyond one-bun, two-shoe: Recent advances in the psychological rehabilitation of memory disorders after acquired brain injury. *Brain Injury*, 11, 907-918.

Teasdale, J.D. & Spencer, P. 1984. Induced mood and estimates of past success. *British Journal of Clinical Psychology*, 23, 149-150.

Tecchio, G., Salustri, C., Thaut, M.H., Pasqualetti, P., & Rossini, P.M. 2000. Conscious and unconscious adaptation: A MEG study of cerebral responses to rhythmic auditory stimuli. *Experimental Brain Research*, In Press.

Thaut, M.H. 1990. Neuropsychological processes in music perception and their relevance in music therapy. In R.F. Unkefer (Ed.), *Music therapy in the treatment of adults with mental disorders: Theoretical bases and clinical interventions* (pp. 3-32). New York, NY: Schirmer Books.

Thaut, M.H. 2000. *A Scientific Model of Music in Therapy and Medicine*. San Antonio, TX: Institute for Music Research Press.

Thaut, M.H. 2002. Neue Entwicklungen der neurologischen Musiktherapie und ihre Bedeutung fuer Alters[atienten. *Musik und Gesundheit*, 3, 17-18. [In German]

Thaut, M.H. 2002. Toward a cognitive-affective model in neuropsychiatric music therapy. In R.F. Unkefer & M.H. Thaut (Eds.), *Music Therapy in the Treatment of Adults with Mental Disorders* (pp. 86-103). St. Louis, MO: MMB Music.

Thaut, M.H. 2003. Neuromusicology. In *McGraw-Hill Yearbook of Science and Technology 2003* (pp. 287-289). New York, NY: McGraw-Hill.

Thaut, M.H. 2004. *The Neurobiology of Rhythm*. London, England: Taylor & Francis. [Under Contract]

Thaut, M.H. & de l'Toile, S.K. 1993. The effects of music on mood state-dependent recall. *Journal of Music Therapy*, 30, 70-80.

Thaut, M.H., Moore, D.M., & Peterson, D.A. 2003. Correlates of cortical plasticity in musical template learning. *Journal of Cognitive Neuroscience (suppl)*, Cognitive Neuroscience Society 10th Annual Meeting, 214. [Abstract]

Thaut, M.H. & Peterson, D.A. 2001. Auditory rhythmic synchronization: Event related potential evidence for functional lateralization. *Journal of Cognitive Neuroscience (suppl)*, Cognitive Neuroscience Society 8th Annual Conference, 155. [Abstract]

Thaut, M.H. & Peterson, D.A. 2002. Plasticity of neural representations in auditory memory for rhythmic tempo: Trial-dependent EEG spectra. *Proceedings Society for Neuroscience*, 373.8. [Abstract]

Thaut, M.H. & Peterson, D.A. 2003. The role of theta and alpha EEG synchronization in verbal learning with a musical template. *Proceedings Society for Neuroscience*, 194.21. [Abstract]

Thaut, M.H., Peterson, D.A., & McIntosh, G.C. 2001. Oscillatory synchronization patterns in frontotemporal cortical circuits during nonverbal auditory working memory. *Proceedings Society for Neuroscience*, 419.11. [Abstract]

Thompson, W.F., Schellenberg, E.G., Husain, G. 2004. Decoding speech prosody: do music lessons help? *Emotion*, 4(1), 46-64.

Trainor L.J., Lee K, Bosnyak DJ. 2011. Cortical plasticity in 4-month-old infants: specific effects of experience with musical timbres. *Brain Topogr.* 24(3-4),192-203.

Trainor, L.J., Shahin, A., & Roberts, L.E. 2003. Effects of musical training on the auditory cortex in children. *Annals of the New York Academy of Sciences*, 999, 506-513.

Tranel, D. & Damasio, A.R. 2002. Neurobiological foundations of human memory. In A.D. Baddeley, M.D. Kopelman, & B.A. Wilson (Eds.), *The Handbook of Memory Disorders*. West Sussex, England: John Wiley & Sons, Ltd.

Trehub, S.E. 2003. Toward a developmental psychology of music. *Annals of the New York Academy of Sciences*, 999, 402-413.

[Troost W](#), [Ethofer T](#), [Zentner M](#), [Vuilleumier P](#). 2011. [Mapping Aesthetic Musical Emotions in the Brain. *Cereb Cortex*](#). 2011 Dec 15. [Epub ahead of print]

Van der Burg, J.C., van Wegen, E.E., Rietberg, M.B., Kwakkel, G., & van Dieen, J.H. 2006. Postural control of the trunk during unstable sitting in Parkinson's disease. *Parkinsonism & Related Disorders*, 12(8), 492-8.

Vaz, P.M. & Jones, S.J. 1999. Cortical processing of complex tone stimuli: mismatch negativity at the end of a period of rapid pitch modulation. *Brain Research: Cognitive Brain Research*, 7, 295-306.

Verwey, W.B. 2001. Concatenating familiar movement sequences: The versatile cognitive processor. *Acta Psychologica*, 106, 69-95.

Vliegen, J., Moore, B.C., & Oxenham, A.J. 1999. The role of spectral and periodicity cues in auditory stream segregation, measured using a temporal discrimination task. *Journal of the Acoustical Society of America*, 106, 938-945.

Von Steinbüchel, N. 1998. Temporal ranges of central nervous processing: clinical evidence. *Experimental Brain Research*, 123, 220-233.

Wadwa, S., Anand, P., & Bhowmick, D. 1999. Quantitative study of plasticity in the auditory nuclei of chick under conditions of prenatal sound attenuation and overstimulation with species specific and music sound stimuli. *International Journal of Developmental Neuroscience*, 17, 239-253.

Wang, X. & Walker, K. M. M. (2012). Neural Mechanisms for the Abstraction and Use of Pitch Information in the Auditory Cortex. *Journal of Neuroscience*. 32 (39), pp.13339-13342.

Walton, J.P. et al. 1988. Neural basis for music cognition: Future directions and biomedical implications. *Psychomusicology*, 7, 127-138.

Warren, J., Sauter, D., Eisner, F., Wiland, J., Dresner, MA., Wise, R., Rosen, S., Scott, S. 2006. Positive Emotions Preferentially Engage an Auditory-Motor "Mirror" System. *The Journal of Neuroscience*, 26(50), 13067-13075.

Watanabe, T., Yagishita, S., Kikyo, H. 2007. Memory of Music: Roles of right hippocampus and left inferior frontal gyrus. *Neuroimage*, August. [E-Publication]

Weber, A.M. 1990. A practical clinical approach to understanding and treating attentional problems. *Journal of Head Trauma Rehabilitation*, 5, 73-85.

[Wehrum S](#), [Degé F](#), [Ott U](#), [Walter B](#), [Stippe Kohl B](#), [Kagerer S](#), [Schwarzer G](#), [Vaitl D](#), [Stark R](#). 2011. Can you hear a difference? Neuronal correlates of melodic deviance processing in children. *Brain Research*. 1402,80-92.

Wilson, B.A. 2000. Compensating for cognitive deficits following brain injury. *Neuropsychology Review*, 10, 233-243.

Wilson, B.A. 2002. Management and remediation of memory problems in brain-injured adults. In A.D. Baddeley, M.D. Kopelman, & B.A. Wilson (Eds.), *The Handbook of Memory Disorders* (2nd ed.) (pp. 655-682). New York, NY: John Wiley & Sons, Ltd.

Wilson, B.A., Baddeley, A., Evans, J., & Shiel, A. 1994. Errorless learning in the rehabilitation of memory impaired people. *Neuropsychological Rehabilitation*, 4. 307-326.

Wilson, B.A. & Evans, J.J. 1996. Error free learning in the rehabilitation of individuals with memory impairments. *Journal of Head Trauma Rehabilitation*, 11, 54-64.

[Woloszyn MR](#), [Ewert L](#). 2012. Memory for facial expression is influenced by the background music playing during study. *Adv Cogn Psychol*. 8(3),226-33.

[Wong PC](#), [Chan AH](#), [Roy A](#), [Margulis EH](#). 2011. The bimusical brain is not two monomusical brains in one: evidence from musical affective processing. *Journal of Cognitive Neuroscience*. 23(12),4082-93.

Zatorre, R.J. 1998. Functional specialization of human auditory cortex for musical processing. *Brain*, 121, 1817-1818.

Zencius, A., Wesolowski, M.D., & Burke, W.H. 1990. A comparison of four memory strategies with traumatically brain-injured clients. *Brain Injury*, 4, 33-38.

Zentner M, Eerola T. 2010. Rhythmic engagement with music in infancy. *Proc Natl Acad Sci U S A*. 107(13),5768-73.