



All peer-reviewed publications listed are submitted by BMI core members.

1. **Ansari, D.**, Grabner, R.H., Koschutnig, K., Reishofer, G. & Ebner, F. (2011). Individual differences in mathematical competence modulate brain responses to arithmetic errors. *Learning and Individual Differences (Special Issue: 'Educational Neuroscience')*, 21, 633-635.
2. Price, G.R. & **Ansari, D.** (2011). Symbol processing in the left angular gyrus: Evidence from passive perception of digits. *NeuroImage*, 57, 1205-1211.
3. De Smedt, B., Holloway, I.D. & **Ansari, D.** (2011). Effects of problem size and arithmetic operation on brain activation during calculation in children with varying levels of arithmetical fluency. *NeuroImage*, 57, 771-781.
4. Gallivan, J.P., Chapman, C.S., Wood, D.K., Milne, J.L., **Ansari, D.**, Culham, J.C. & Goodale, M.A. (2011). One to four, but nothing more: Non-conscious parallel object individuation in action. *Psychological Science*, 22, 803-811.
5. Borgman, K., Fugelsang, J., **Ansari, D.** & Besner, D. (2011). Congruency proportion reveals asymmetric processing of irrelevant physical and numerical dimensions in the size congruity paradigm. *Canadian Journal of Experimental Psychology*, 65, 98-104.
6. Maloney, E.A., **Ansari, D.** & Fugelsang, J.A. (2011). The effect of mathematics anxiety on the processing of numerical magnitude. *Quarterly Journal of Experimental Psychology*, 64, 10-16.
7. Bugden, S. & **Ansari, D.** (2011). Individual differences in children's mathematical competence are related to the intentional but not automatic processing of Arabic numerals. *Cognition*, 118, 32-44.
8. **Ansari, D.**, Coch, D. & De Smedt, B. (2011). Connecting education and cognitive neuroscience: Where will the journey take us? *Educational Philosophy and Theory*, 43, 37-42.
9. **Ansari, D.** (2011). Was haben wir durch die kognitive Neurowissenschaft über die Dyskalkulie gelernt? In Schulte-Körne G (Ed.) *Legasthenie und Dyskalkulie: Stärken erkennen – Stärken fördern*. Winkler Verlag, Bochum, 235-245.
10. De Smedt, B., **Ansari, D.**, Grabner, R.H., Hannula-Sormunen, M., Schneider, M. & Verschaffel, L. (2011). Cognitive neuroscience meets mathematics education: It takes two to tango. *Educational Research Review*, 6, 232-237.
11. **Ansari, D.** (2011). Towards a Developmental Cognitive Neuroscience of Numerical and Mathematical Cognition. *Developmental Neuropsychology*. (Commentary on Special Issue: "Toward a developmental cognitive neuroscience of numerical and mathematical cognition"). *Developmental Neuropsychology*, 36, 645-50.

12. Guzman, M.S., De Jaeger, X., Raulic, S., Souza, I.A., Li, A.X., Schmid, S., **Menon, R.S.**, Gainetdinov, R.R., Caron, M.G., **Bartha, R.**, Prado, V.F. & Prado, M.A. (2011). Elimination of the vesicular acetylcholine transporter in the striatum reveals regulation of behaviour by cholinergic-glutamatergic co-transmission. *PLoS Biology*, 9(11):e1001194.
13. Li, A.X., Suchy, M., Li, C., Gati, J.S., Meakin, S., Hudson, R.H., **Menon, R.S.** & **Bartha, R.** (2011). In vivo detection of MRI-PARACEST agents in mouse brain tumors at 9.4 T. *Magnetic Resonance in Medicine*, 66, 67-72.
14. Feldman, R.E., Scholl, T.J., Alford, J.K., Handler, W.B., Harris, C.T. & **Chronik, B.A.** (2011). Results for diffusion-weighted imaging with a fourth-channel gradient insert. *Magnetic Resonance in Medicine*, 66, 1798-1808.
15. Bindseil, G.A., Gilbert, K.M., Scholl, T.J., Handler, W.B. & **Chronik, B.A.** (2011). First image from a combined positron emission tomography and field-cycled MRI system. *Magnetic Resonance in Medicine*, 66, 301-305.
16. Moon, S.M., Goodrich, K.C., Hadley, J.R., Kim, S.E., Zeng, G.L., Morrell, G.R., McAlpine, M.A., **Chronik, B.A.** & Parker, D.L. (2011). Superelliptical insert gradient coil with a field-modifying layer for breast imaging. *Magnetic Resonance in Medicine*, 65, 863-872.
17. Goonetilleke, S.C., **Gribble, P.L.**, Mirsattari, S.M., Doherty, T.J. & **Corneil, B.D.** (2011). Neck muscle responses evoked by transcranial magnetic stimulation of the human frontal eye fields. *European Journal of Neuroscience*, 33, 2155-2167.
18. Chapman, B.B. & **Corneil, B.D.** (2011). Neuromuscular recruitment related to stimulus presentation and task instruction during an anti-saccade task. *European Journal of Neuroscience*, 33, 349-360.
19. **Corneil, B.D.** (2011). Neuromuscular strategies for eye-head gaze shifts. *Oxford Handbook on Eye Movements*, Liversedge, S.P., Gilchrist, I.D., Everling, S. (eds.) Oxford University Press.
20. Secen, J., **Culham, J.C.**, Ho, C. & Giaschi, D. (2011). Neural correlates of the multiple-object tracking deficit in amblyopia. *Vision Research*, 51, 2517-2527.
21. Gallivan, J.P., McLean, D.A., Smith, F.W. & **Culham, J.C.** (2011). Decoding effector-dependent and effector-independent movement intentions from human parieto-frontal brain activity. *Journal of Neuroscience*, 31, 17149-17168.
22. Gallivan, J.P., McLean, D.A., Valyear, K.F., Pettypiece, C.E. & **Culham, J.C.** (2011). Decoding action intentions from preparatory activity in human parieto-frontal cortex. *Journal of Neuroscience*, 31, 9599-9610.
23. Gallivan, J.P., McLean, D.A. & **Culham, J.C.** (2011). Neuroimaging reveals enhanced activation in a reach-selective brain area for objects located within participants' typical hand workspaces. *Neuropsychologia*, 49, 3710-3721.

24. Monaco, S., Cavina-Pratesi, C., Sedda, A., Fattori, P., Galletti, C. & **Culham, J.C.** (2011). Functional magnetic resonance adaptation (fMRA) reveals the involvement of the dorsomedial stream in wrist orientation for grasping. *Journal of Neurophysiology*, 106, 2248-2263.
25. Snow, J.C., Pettypiece, C., McAdam, T.D., McLean, A.D., Stroman, P.W., **Goodale, M.A.** & **Culham, J.C.** (2011). Bringing the real world into the fMRI scanner: Repetition effects for pictures versus real objects. *Scientific Reports*, 1, Article number 130.
26. Wood, D.K., Gallivan, J.P., Chapman, C.S., Milne, J.L., **Culham, J.C.** & **Goodale, M.A.** (2011). Visual salience dominates early visuomotor competition in reaching behavior. *Journal of Vision*, 11:16, 1-11.
27. Valyear, K.F., Chapman, C.S., Gallivan, J.P., Mark, R.S. & **Culham, J.C.** (2011). To use or to move: Goal set modulates priming when grasping real tools. *Experimental Brain Research*, 212, 125-142.
28. Chapman, C.S., Gallivan, J.P., **Culham, J.C.** & **Goodale, M.A.** (2011). Mental blocks: fMRI reveals top-down modulation of early visual cortex when obstacles interfere with grasp planning. *Neuropsychologia*, 49, 1703-1717.
29. **Daley, M.** & **Culham, J.C.** (2011). Review of `networks of the brain`. *Canadian Psychology/Psychologie canadienne*, vol. 52, no. 4, pp. 321-322, 2011. doi: 10.1037/a0025503.
30. May, J., Calvo-Merino, B., Delahunta, S., McGregor, W., **Cusack, R.**, Veldsman, M., Ramponi, C. & Barnard, P. (2011). Points in mental space: an interdisciplinary study of imagery and tasks in movement innovation. *Dance Research Electronic*, 29, 404-32
31. Linke, A.C., Vicente-Grabovetsky, A. & **Cusack, R.** (2011). Stimulus-specific suppression preserves information in auditory short-term memory. *Proceedings of the National Academy of Sciences (USA)*, 108, 12961-12966.
32. Thompson, R., Correia, M. D. & **Cusack, R.** (2011). Vascular contributions to multivariate pattern analysis at 3T. *Neuroimage*, 56, 643-50.
33. Thompson, S.K., Carlyon, R.P. & **Cusack, R.** (2011). An objective measurement of the build-up of auditory streaming and of its modulation by attention. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 1253-62.
34. Linke, A.C., Vicente-Grabovetsky, A., Mitchell, D.J. & **Cusack, R.** (2011). Encoding strategy accounts for individual differences in change detection measures of VSTM. *Neuropsychologia* (invited special issue on VSTM & attention), 49, 1476-86.
35. Mitchell, D.J. & **Cusack, R.** (2011). The temporal evolution of electromagnetic markers sensitive to the capacity limits of visual short-term memory. *Frontiers in Human Neuroscience*, 5:18.
36. **Daley, M.**, Kari, L., Seki, S. & Sosík, P. (2011). Orthogonal shuffle on trajectories. *International Journal of Foundations of Computer Science*, 22, 213-222.

37. **Daley, M.**, McQuillan, I., McQuillan, J. & Mahalingam, K. (2011). Theoretical and computational properties of transpositions. *Natural Computing*, 10, 795-804.
38. Eramian, M., **Daley, M.**, Neilson, D. & Daley, T. (2011). Segmentation of epithelium in h&e stained odontogenic cysts. *Journal of Microscopy*, 244, 273-292.
39. Smith, J., Mould, D. & **Daley, M.** (2011). The impact of constructural encodings on the creative richness of music composition tools. *Digital Creativity*, vol. Accepted, 2011.
40. Kaping, D., Vinck, M., **Everling, S.** & Womelsdorf, T. (2011). Specific contributions of ventromedial frontal, anterior cingulate and lateral prefrontal cortex for attentional selection and stimulus valuation. *PLOS Biology*, 9(12):e1001224.
41. Koval, M.J., **Lomber, S.G.** & **Everling, S.** (2011). Prefrontal cortex deactivation in macaques alters activity in the superior colliculus and impairs voluntary control of saccades. *Journal of Neuroscience*, 31, 8659-8668.
42. Hutchison, R.M., Leung, L.S., Mirsattaril, S.M., Gati, J.S., **Menon, R.S.** & **Everling, S.** (2011). Resting-state networks in the macaque at 7 T. *Neuroimage*, 56, 1546-1555.
43. Phillips, J.M., Johnston, K. & **Everling, S.** (2011). Effects of anterior cingulate microstimulation on pro- and anti-saccades in nonhuman primates. *Journal of Cognitive Neuroscience*, 23, 481-490.
44. Johnston, K. & **Everling, S.** (2011). Frontal cortex and flexible saccade control. *The Oxford Handbook of Eye Movements* (Liversedge, S., Gilchrist, I.D. & Everling, S. eds). Oxford University Press.
45. Johnston, K. & **Everling, S.** (2011). An approach to understanding the neural circuitry of saccade control in the cerebral cortex using antidromic identification in the awake behaving macaque monkey model. *Contemporary animal models of movement disorders* (Dunnell, S. & Lane, E.). Springer Humana Press.
46. Buckingham, G., Ranger, N.S., & **Goodale, M.A.** (2011). The role of vision in detecting and correcting fingertip force errors during object lifting. *Journal of Vision*, 11, 4, 1-13.
47. Buckingham, G., Ranger, N.S., & **Goodale, M.A.** (2011). The material-weight illusion induced by expectations alone. *Attention, Perception, and Psychophysics*, 73, 36-41.
48. Cant, J.S. & **Goodale, M.A.** (2011). Scratching beneath the surface: new insights into the functional properties of the lateral occipital area and parahippocampal place area. *The Journal of Neuroscience*, 31, 8248-8258.
49. **Goodale, M.A.** (2011). Transforming vision into action. *Vision Research*, 51, 1567-1587.
50. Rossit, S., Fraser, J.A., Teasell, R., Malhotra, P.A., & **Goodale, M.A.** (2011). Impaired delayed but preserved immediate grasping in a neglect patient with parieto-occipital lesions. *Neuropsychologia*, 49, 2498-2504.

51. Sedda, A., Monaco, S., Bottini, G., & **Goodale, M.A.** (2011). Integration of visual and auditory information for hand actions: preliminary evidence for the contribution of natural sounds to grasping. *Experimental Brain Research*, 209, 365-374.
52. Striemer, C.L., Chouinard, P.A., & **Goodale, M.A.** (2011). Programs for action in superior parietal cortex: A triple-pulse TMS investigation. *Neuropsychologia*, 49, 2391-2399.
53. Thaler, L. & **Goodale, M.A.** (2011). Reaction times for allocentric movements are 35 ms slower than reaction times for target-directed movements. *Experimental Brain Research*, 211, 313-328.
54. Thaler, L., & **Goodale, M.A.** (2011). The role of online visual feedback for the control of target-directed and allocentric hand movements. *Journal of Neurophysiology*, 105, 846-859.
55. Thaler, L. & **Goodale, M.A.** (2011). Neural substrates of visual spatial coding and visual feedback control for hand movements in allocentric and target-directed tasks. *Frontiers in Human Neuroscience*, 5, 92.
56. Westwood, D.A. & **Goodale, M.A.** (2011). Converging evidence for diverging pathways: Neuropsychology and psychophysics tell the same story. *Vision Research*, 51, 804-811.
57. Whitwell, R.L., Striemer, C.L., Nicolle, D.A., & **Goodale, M.A.** (2011). Grasping the non-conscious: Preserved grip scaling to unseen objects for immediate but not delayed grasping following a unilateral lesion to primary visual cortex. *Vision Research*, 51, 908-924.
58. Wood, D.K., & **Goodale, M.A.** (2011). Selection of wrist posture in conditions of motor ambiguity. *Experimental Brain Research*, 208, 607-620.
59. **Grahn, J.A.** (2011). Review of Psychology of Music: From Sound to Significance (2011), *Empirical Musicology Review*, 6, 138-140.
60. Hore, J., Debicki, D.B., **Gribble, P.L.** & Watts, S. (2011). Deliberate Utilization of Interaction Torques Brakes Elbow Extension in a Fast Throwing Motion. *Experimental Brain Research*, 211, 63-72.
61. Wong, J., Wilson, E.T. & **Gribble, P.L.** (2011). Spatially Selective Enhancement of Proprioceptive Acuity Following Motor Learning. *Journal of Neurophysiology*, 105, 2512-21.
62. Debicki, D.B., **Gribble, P.L.**, Watts, S. & Hore, J. (2011). Wrist muscle activation, interaction torque and mechanical properties in unskilled throws of different speeds. *Experimental Brain Research*, 208, 115-25.
63. Kryski, K.R., Smith, H.J., Sheikh, H.I., Singh, S.M., & **Hayden, E.P.** (2011). Assessing stress reactivity indexed via salivary cortisol in preschool-aged children. *Psychoneuroendocrinology*, 36, 1127-1136.
64. Archibald, L.M.D. & **Joanisse, M.F.** (2011). Electrophysiological responses to coarticulatory and word level miscues. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 1275-1291.

65. Welcome S.E., Paivio A., **McRae K.** & **Joanisse M.F.** (2011). An electrophysiological study of task demands on concreteness effects: evidence for dual coding theory. *Experimental Brain Research*, 212 (3):347-58.
66. Andres, A.J.D., Oram Cardy, J.D. & **Joanisse, M.F.** (2011). Congruency of Auditory Sounds and Visual Letters Modulates Mismatch Negativity and P300 Event-Related Potentials. *International Journal of Psychophysiology*, 79, 137-146.
67. Slevc, L.R., Martin R.C., Hamilton A.C. & **Joanisse, M.F.** (2011). Speech perception, rapid temporal processing, and the left hemisphere: A case study of unilateral pure word deafness. *Neuropsychologia*, 49, 216-230.
68. Archibald, L.M.D., Edmunds, A. & **Joanisse, M.F.** (2011). Specific language or working memory impairments: Are there observable differences? *Child Language and Teaching Therapy*, 27, 294-312.
69. Archibald, L.M.D. & **Joanisse, M.F.** (2011). Electrophysiological responses to coarticulatory and word level miscues. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 1275-1291.
70. Newman, R.L. & **Joanisse, M.F.** (2011). Modulation of brain regions involved in word recognition by homophonous stimuli: An fMRI study. *Brain Research*, 1387, 250-264.
71. Kielar, A. & **Joanisse, M.F.** (2011). The role of semantic and phonological factors in word recognition: An ERP cross-modal priming study of derivational morphology. *Neuropsychologia*, 49 (2), 161-177.
72. Mirkovic, J., Seidenberg, M.S. & **Joanisse, M.F.** (2011). Probabilistic nature of inflectional structure: Insights from a highly inflected language. *Cognitive Science*, 35, 638-681.
73. Davis, M.H., Ford, M.A., Kherif, F. & **Johnsrude, I.S.** (2011). Does semantic context benefit speech understanding through top-down processes? Evidence from time-resolved sparse fMRI. *Journal of Cognitive Neuroscience*, 23, 3914-32.
74. Zekveld, A.A., Rudner, M., **Johnsrude, I.S.**, Festen, J.M., van Beek, H.M. & Rönnerberg, J. (2011). The influence of semantically related and unrelated text cues on the intelligibility of sentences in noise. *Ear and Hearing*, 32, E16-E25.
75. Heinrich, A., Carlyon, R.P., Davis, M.H. & **Johnsrude, I.S.** (2011). The continuity illusion does not depend on attentional state: fMRI evidence from illusory vowels. *Journal of Cognitive Neuroscience*, 23, 2675-2689.
76. Zheng, Z.Z., MacDonald, E.N., Munhall, K.G. & **Johnsrude, I.S.** (2011). Perceiving a stranger's voice as being one's own: a 'rubber voice' illusion? *PLoS ONE* 6(4): e18655.
77. Hervais-Adelman, A.G., Davis, M.H., **Johnsrude, I.S.**, Taylor, K.J. & Carlyon, R.P. (2011). Generalization of perceptual learning of vocoded speech. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 283-295.

78. Rosenbaum, R.S., Carson, N., Abraham, N., Bowles, B., Kwan, D., **Köhler, S.**, Svoboda, E., Levine, B. & Richards, B. (2011). Impaired event memory and recollection in a case of developmental amnesia. *Neurocase*, 17, 394-409.
79. Bowles, B., O'Neil, E.B., Mirsattari, S.M., Poppenk, J. & **Köhler, S.** (2011). Preserved hippocampal novelty responses following anterior temporal-lobe resection that impairs familiarity but spares recollection. *Hippocampus*, 21, 847-854.
80. Martin, C.B., Bowles, B., Mirsattari, S.M. & **Köhler, S.** (2011). Selective familiarity deficits after left anterior temporal-lobe removal with hippocampal sparing are material specific. *Neuropsychologia*, 49, 1870-1878.
81. Cate, A.D., **Goodale, M.A.** & **Köhler, S.** (2011). The role of apparent size in building- and object-specific regions of ventral visual cortex. *Brain Research*, 1388, 109-122.
82. Schmidt, K.E., **Lomber, S.G.**, Payne, B.R. & Galuske, R.A. (2011). Pattern motion representation in primary visual cortex is mediated by transcortical feedback. *NeuroImage*, 54, 474-484.
83. Ponce, C., Hunter, N., Pack, C.C., **Lomber, S.G.** & Born, R.T. (2011). Contributions of indirect pathways to visual response properties in macaque area MT. *Journal of Neuroscience* 31: 3894-3903.
84. Meredith, M.A. & **Lomber, S.G.** (2011) Somatosensory and visual crossmodal plasticity in the anterior auditory field of early-deaf cats. *Hearing Research* 280: 38-47.
85. **Lomber, S.G.**, Meredith, M.A. & Kral, A. (2011). Adaptive crossmodal plasticity in deaf auditory cortex: areal and laminar contributions to supranormal vision in the deaf. *Progress in Brain Research*, 191, 251-270.
86. Meredith, M.A., Kryklywy, J., McMillan, A.J., Malhotra, S., Lum-Tai, R. & **Lomber, S.G.** (2011). Crossmodal reorganization in the early-deaf switches sensory, but not behavioral roles of auditory cortex. *Proceedings of the National Academy of Sciences (USA)*, 108, 8856-8861.
87. Carrasco, A. & **Lomber, S.G.** (2011). Neuronal activation times to simple, complex, and natural sounds in cat primary and non-primary auditory cortex. *Journal of Neurophysiology*, 106, 1166-1178.
88. **Lomber, S.G.**, Meredith, M.A. & Kral, A. (2011). Adaptive crossmodal plasticity in deaf auditory cortex: areal and laminar contributions to supranormal vision in the deaf. *Enhancing Performance for Action and Perception, Multisensory Integration, Neuroplasticity and Neuroprosthetics*. Edited by Andrea M. Green, C. Elaine Chapman, John F. Kalaska & Franco Lepore (Amsterdam, The Netherlands: Elsevier) pgs. 251-270.
89. **MacDonald, P.A.**, MacDonald, A.A., Seergobin, K.N., Tamjeedi, R., Ganjavi, H., Provost, J.-S. & Monchi, O. (2011). The effect of dopamine therapy on ventral and dorsal striatum-mediated cognition in Parkinson's disease: support from functional MRI. *Brain*, 134, 1447-63.
90. **Macdonald, P.A.** & Monchi, O. (2011). Differential effects of dopaminergic therapies on dorsal and ventral striatum in Parkinson's disease: implications for cognitive function. *Parkinson's Disease*, (March 6), 572743.

91. Ganjavi, H., Lewis, J.D., Bellec, P., **MacDonald, P.A.**, Waber, D.P., Evans, A.C. & Karama, S. (2011). Negative associations between corpus callosum midsagittal area and IQ in a representative sample of healthy children and adolescents. *PLoS One*, 6(5), e19698.
92. Niebergall, R., Khayat, P., Treue, S. & **Martinez-Trujillo, J.C.** (2011). Multifocal attention filters out targets from distracters within and beyond primate MT neurons receptive field boundaries. *Neuron* 72, 1067-1079.
93. Lennert, T., Cipriani, R., Jolicoeur, P., Cheyne, D. & **Martinez-Trujillo, J.C.** (2011). Attentional modulation of neuromagnetic evoked responses in early human visual cortex and parietal lobe following a rank-order rule. *The Journal of Neuroscience*, 31, 17622-17636.
94. Niebergall, R., Khayat, P., Treue, S. & **Martinez-Trujillo, J.C.** (2011). Expansion of MT neurons excitatory receptive fields during covert attentive tracking. *The Journal of Neuroscience*, 31, 15499-15510.
95. Lennert, T. & **Martinez-Trujillo, J.C.** (2011). Strength of response suppression to distracter stimuli determines the speed and accuracy of attentional filtering by prefrontal neurons. *Neuron*, 70, 141-152.
96. Mendoza, D., Schneiderman, M., Kaul, C. & **Martinez-Trujillo, J.C.** (2011). Working memory and feature-based attention simultaneously modulate the perception of visual motion direction. *Journal of Vision*, 11(1):11.
97. Sachs, A., Khayat, P., Niegerball, R. & **Martinez-Trujillo, J.C.** (2011). Contribution of spike timing to contrast and motion direction coding by single neurons in macaque area MT. *Brain Research*, 1368, 163-184.
98. **Martinez-Trujillo, J.C.** (2011). Searching for the neural mechanisms of feature-based attention in the primate brain. *Neuron*, 70, 1025-1028.
99. Cann, D.R., **McRae, K.** & Katz, A.N. (2011). False recall in the Deese-Roediger-McDermott paradigm: The roles of gist and associative strength. *The Quarterly Journal of Experimental Psychology*, 64, 1515-1542.
100. Matsuki, K., Chow, T., Hare, M., Elman, J. L., Scheepers, C. & **McRae, K.** (2011). Event-based plausibility immediately influences on-line language comprehension. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 913-934.
101. McNorgan, C., Reid, J. & **McRae, K.** (2011). Integrating conceptual knowledge within and across representational modalities. *Cognition*, 118, 211-233.
102. Pezzulo, G., Barsalou, L.W., Cangelosi, A., Fischer, M.H., **McRae, K.** & Spivey, M.J. (2011). The mechanics of embodiment: A dialogue on embodiment and computational modeling. *Frontiers in Psychology*, 2:5, 1-21.

103. Aoyama, N., Théberge, J., Drost, D.J., Manchanda, R., Northcott, S., Neufeld, R.W.J., **Menon, R.S.**, Rajakumar, N., Pavlosky, W.F., Densmore, M., Schaefer, B. & Williamson, P.C. (2011). Grey matter and social functioning correlates of glutamatergic metabolite loss in schizophrenia. *British Journal of Psychiatry*, 198, 448-456.
104. Gilbert, K.M., Curtis, A.T., Gati, J.S., Klassen, L.M. & **Menon, R.S.** (2011). A radiofrequency coil to facilitate B1+ shimming and parallel imaging acceleration in three dimensions at 7T. *NMR in Biomedicine*, 24, 815-823.
105. Racine, E., Northoff, G., **Menon, R.S.**, Kimmelman, J. & Illes, J. (2011). A Canadian Perspective on Ethics Review and Neuroimaging: Tensions and Solutions. *Canadian Journal of Neurological Sciences*, 38, 572-579.
106. Miller, J., Drost, D.J., Jensen E., Manchanda R., Northcott, S., Neufeld, R.W., **Menon, R.S.**, Rajakumar N., Pavlosky, W., Densmore, M., Schaefer, B. & Williamson, P. (2011). Progressive membrane phospholipid changes in first episode schizophrenia with high field magnetic resonance spectroscopy. *Psychiatry Research*, 201, 25-33.
107. Goldszmidt, M., **Minda, J.P.**, Devantier, S.L., Skye, A.L. & Woods, N.N. (2011). Expanding the basic science debate: The role of physics knowledge in interpreting clinical findings. *Advances in Health Sciences Education*, 17, 547-555.
108. Miles, S.J. & **Minda, J.P.** (2011). The effects of concurrent verbal and visual tasks on category learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 588-607.
109. **Minda, J.P.** & Smith, J.D. (2011). Prototype models of categorization: Basic formulation, predictions, and limitations. E. Pothos & A. Wills (Eds.) *Formal Approaches in Categorization* (pp 40-64) Cambridge University Press: Cambridge, UK.
110. Jesso, S., Morlog, D., Ross, S., Pell, M.D., Pasternak, S., **Mitchell, D.G.V.**, Kertesz, A. & Finger, E.C. (2011). The Effects of Oxytocin on Social Cognition and Behaviour in Frontotemporal Dementia. *Brain*, 134, 2493-2501.
111. Greening, S.G., Finger, E.C. & **Mitchell, D.G.V.** (2011). Parsing decision making processes in prefrontal cortex: Response inhibition, overcoming learned avoidance, and reversal learning. *NeuroImage*, 54, 1432-1441.
112. **Mitchell, D.G.V.** (2011). The nexus between decision making and emotion regulation: A review of convergent neurocognitive substrates. *Behavioral Brain Research*, 217, 215-231.
113. Waxer, M. & **Morton, J.B.** (2011). Multiple processes underlying Dimensional Change Card Sort Performance: an electrophysiological investigation. *Journal of Cognitive Neuroscience*, 23, 3267-3279.
114. Waxer, M., & **Morton, J.B.** (2011). The development of future-oriented control: an electrophysiological investigation. *NeuroImage*, 56, 1648-1654.

115. Waxer, M. & **Morton, J.B.** (2011). Cognitive conflict and learning. In R. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*, New Jersey: Springer.
116. **Morton, J.B.**, Ezekiel, F. & Wilk, H. A. (2011). Executive functioning: Easy to identify but hard to define. *Topics in Cognitive Science*, 3, 212-216.
117. Waxer, M. & **Morton, J.B.** (2011). Children's judgments of emotion from conflicting cues in speech: Why 6-year-olds are so inflexible. *Child Development*, 82, 1648-1660.
118. Kempton, M., Ettinger, U., Foster, R., Williams, S.C.R., Calvert, G.A., Hampshire, A., Zelaya, F.O., O'Gorman, R.L., McMorris, T., **Owen, A.M.** & Smith, M.S. (2011). Dehydration affects brain structure and function in healthy adolescents. *Human Brain Mapping*, 32, 71-79.
119. Fernandez-Espejo, D., Bekinschtein, T., Monti, M.M., Pickard, J.D., Junque, C., Coleman, M.R. & **Owen, A.M.** (2011). Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. *Neuroimage*, 54, 103-12.
120. Hampshire, A., Thompson, R., Duncan, J. & **Owen, A.M.** (2011). Lateral Prefrontal Cortex Subregions Make Dissociable Contributions during Fluid Reasoning. *Cerebral Cortex*, 21, 1-10.
121. Cruse, D., Monti, M.M. & **Owen, A.M.** (2011). Neuroimaging in disorders of consciousness: contributions to diagnosis and prognosis. *Future Neurology*, 6, 291-299.
122. Bekinschtein, T., Manes, F., Villarreal, M., **Owen, A.M.** & Della Maggiore, V. (2011). Functional imaging reveals movement preparatory activity in the vegetative state. *Frontiers in Human Neuroscience*, 5: 1-11.
123. Huntley, J., Bor, D., Hampshire, A., **Owen, A.M.** & Howard, R. (2011). Working memory task performance and chunking in early Alzheimer's disease. *The British Journal of Psychiatry*, 198, 398-403.
124. Bekinschtein, T.A., Davis, M.H., Rodd, J.M. & **Owen, A.M.** (2011). Why clowns taste funny: the relationship between humour and semantic ambiguity. *The Journal of Neuroscience*, 31, 9665-9671.
125. Bruno, M.A., Fernandez-Espejo, D., Lehenbre, R., Tshibanda, L., Vanhaudenhuyse, A., Gosseries, O., Lommers, E., Napolitani, M. Noirhomme, Q., Boly, M., Papa, M., **Owen, A.M.**, Maquet, P., Laureys, S. & **Soddu, A.** (2011). Multimodal neuroimaging in patients with disorders of consciousness showing "functional hemispherectomy". *Progress in Brain Research*, 193, 323-333.
126. Cruse, D., Chennu, S., Chatelle, C., Bekinschtein, T.A., Fernandez-Espejo, D., Pickard, D.J., Laureys, S. & **Owen, A.M.** (2011). Bedside detection of awareness in the vegetative state. *The Lancet*, 378, 2088-2094.
127. **Owen, A.M.** (2011). Functional Magnetic Resonance Imaging, Covert Awareness, and Brain Injury. In J. Illes and B.J., Sahakian (Eds.) *Oxford Handbook of Neuroethics*. Oxford University Press. 14, 385 – 401.

128. **Owen, A.M.** (2011). When thoughts become actions: Imaging disorders of consciousness. In Dehaene (Ed.) *Characterizing Consciousness: From Cognition to the Clinic*, Springer, 99 – 108.
129. Pechmann, C., Moore, E.S., Andreasen, A.R., Connell, P.M., Freeman, D., Gardner, M.P., Heisley, D., Lefebvre, R.C., **Pirouz, D.M.** & Robin L. Soster, R.L. (2011). Navigating the central tensions in research on at-risk consumers: challenges and opportunities. *Journal of Public Policy and Marketing*, 30, 23-30.
130. Litt, A., **Pirouz, D.M.**, & Shiv. B. (2011). Neuroscience and Addictive Consumption. *Transformative Consumer Research for Personal and Collective Well Being: Reviews and Frontiers*, ed. David Mick and Cornelia (Connie) Pechmann, London, UK: Taylor & Francis.
131. **Pruszynski, J.A.**, Kurtzer, I., Nashed, J.Y., Omrani, M., Brouwer, B. & Scott, S.H. (2011). Primary motor cortex underlies multi-joint integration during fast feedback control. *Nature*, 478, 387-390.
132. **Pruszynski, J.A.**, Kurtzer, I. & Scott, S.H. (2011). Long-latency activity reflects the temporal overlap of two functionally-independent processes. *Journal of Neurophysiology*, 106, 449-459.
133. Yang, L., Michaels, J.A., **Pruszynski, J.A.** & Scott, S.H. (2011). Rapid Motor Responses Quickly Integrate Visuospatial Task Constraints. *Experimental Brain Research*, 211, 231-242.
134. Gosseries, O., Bruno, M.A., Chatelle, C., Vanhauzenhuysse, A., Schnakers, C., **Soddu, A.** & Laureys, S. (2011). Disorders of consciousness: what's in a name? *NeuroRehabilitation*, 28, 3-14.
135. **Soddu, A.**, Vanhauzenhuysse, A., Demertzi, A., Bruno, M.A., Tshibanda, L., Di, H., Boly, M., Papa, M., Laureys, S. & Noirhomme, Q. (2011). Resting state activity in patients with disorders of consciousness. *Functional Neurology*, 36, 37-43.
136. Stanziano, M., Foglia, C., **Soddu, A.**, Gargano, F. & Papa, M. (2011). Post-anoxic vegetative state: imaging and prognostic perspectives. *Functional Neurology*, 36, 45-50.
137. Demertzi, A., **Soddu, A.**, Faymonville, M.E., Bahri, M., Noirhomme, Q. & Laureys, S. (2011). The brain's found self: experimental manipulation of resting state's cerebral networks by means of hypnosis. *Progress in Brain Research*, 193, 309-322.
138. Demertzi, A., Schnakers, C., **Soddu, A.**, Bruno, M.A., Gosseries, O., Vanhauzenhuysse, A. & Laureys, S. (2011). Neural plasticity lessons from disordered states of consciousness. *Frontiers in Psychology*, 1:245.
139. Demertzi, A., Bruno, M.A., Vanhauzenhuysse, A., Gosseries, O., **Soddu, A.**, Schnakers, C., Moonen, G. & Laureys, S. (2011). Attitudes towards end-of-life issues in disorders of consciousness: a European survey. *Journal of Neurology*, 258, 1058-1065.
140. Vanhauzenhuysse, A., Demertzi, A., Schabus, M., Noirhomme, Q., **Soddu, A.**, Bredart, S., Boly, M., Phillips, C., Luxen, A., Moonen, G. & Laureys, S. (2011). Two distinct neuronal networks mediate the awareness of environment and of self. *Journal of Cognitive Neuroscience*, 23, 570-578.

141. Strother, L., Mathuranath, P.S., Aldcroft, A., Lavell, C., **Goodale, M.A.** & **Vilis, T.** (2011). Face inversion reduces the persistence of global Form and its neural correlates. *PLoS ONE* 6(4): e18705.