

Dr. Deborah E. Giaschi Publication Record

A) Journals

1. Meier K, Giaschi D. (2019) The effect of stimulus area on global motion thresholds in children and adults. *Vision* 3(10):1-11
2. Partanen M, Siegel L, Giaschi D. (2019) Longitudinal outcomes of an individualized and intensive reading intervention for third grade students. *Dyslexia* in press
3. Kugathasan L, Partanen M, Chu V, Lyons C, Giaschi D. (2019) Reading ability of children treated for amblyopia. *Vision Research* 156:28-38
4. Partanen M, Siegel L, Giaschi D. (2018) Effect of reading intervention and task difficulty on orthographic and phonological reading systems in the brain. *Neuropsychologia* in press
5. Meier K, Partanen M, Giaschi D. (2018) Neural correlates of speed-tuned motion perception in healthy adults. *Perception* 47:660-683
6. Chow A, Giaschi D, Thompson B. (2018) Dichoptic attentive motion tracking is biased toward the nonamblyopic eye in strabismic amblyopia. *Investigative Ophthalmology & Visual Science* 59(11):4572-4580
7. Meier K, Giaschi D. (2017) Unilateral amblyopia affects two eyes: Fellow eye deficits in amblyopia. *Investigative Ophthalmology & Visual Science* 58:1779-1800
8. Meier K, Giaschi D. (2017) Effect of spatial and temporal stimulus parameters on the maturation of global motion perception. *Vision Research* 135:1-9
9. Wilcox L, Hartle B, McKenzie K, Solski A, Giaschi D. (2017) Disparity configuration influences depth discrimination in naïve adults, but not children. *Vision Research* 131:106-119
10. Meier K, Sum B, Giaschi D. (2016) Global motion perception in children with amblyopia as a function of spatial and temporal stimulus parameters. *Vision Research* 127:18-27
11. Giaschi D, Chapman C, Meier K, Narasimhan S, Regan D. (2015) The effect of occlusion therapy on motion perception deficits in amblyopia. *Vision Research* 114:122-134
12. Kaneko S, Giaschi D, Anstis S. (2015) Flicker adaptation or superimposition raises the apparent spatial frequency of coarse test gratings. *Vision Research* 108:85-92
13. Meier K, Giaschi D. (2014) The maturation of global motion perception depends on the spatial and temporal offsets of the stimulus. *Vision Research* 95:61-67
14. Giaschi D, Lo R, Narasimhan S, Lyons C, Wilcox L. (2013) Sparing of coarse stereopsis in stereodeficient children with a history of amblyopia. *Journal of Vision* 13(10): 17
15. Giaschi D, Narasimhan S, Solski A, Harrison E, Wilcox L. (2013) On the typical development of stereopsis: fine and coarse processing. *Vision Research* 88: 65-71
16. Partanen M, Fitzpatrick K, Madler B, Edgell D, Bjornson B, Giaschi D. (2012) Cortical basis for dichotic pitch perception in developmental dyslexia. *Brain and Language* 123:104-112
17. Narasimhan S, Harrison E, Giaschi D. (2012) Quantitative measurement of interocular suppression in children with amblyopia. *Vision Research* 66:1-10
18. Narasimhan S, Giaschi D. (2012) The effect of dot speed and density on the development of global motion perception. *Vision Research* 62:102-107
19. Secen J, Culham J, Ho C, Giaschi D. (2011) Neural correlates of the multiple-object tracking deficit in amblyopia. *Vision Research* 51:2517-2527
20. Hayward J, Truong G, Partanen M, Giaschi D. (2011) Effects of speed, age and amblyopia on the perception of motion-defined form. *Vision Research* 51:2216-23
21. Ho C, Giaschi D (2009) Low- and high-level motion perception deficits in anisometric

- and strabismic amblyopia: evidence from fMRI. *Vision Research* 49: 2891-901
22. Lanyon L, Giaschi D, Au Young S, Fitzpatrick K, Diao L, Bjornson B, Barton J (2009) Combined functional MRI & diffusion tensor imaging analysis of visual motion pathways. *Journal of Neuro-Ophthalmology* 29:96-103
 23. Ho C, Giaschi D (2009) Low- and high-level first-order random-dot kinematograms: evidence from fMRI. *Vision Research* 49:1814-24
 24. Boden C, Giaschi D (2009) The role of low-spatial frequencies in lexical decision and masked priming. *Brain and Cognition* 69:580-91
 25. Iaria G, Lanyon L, Fox C, Giaschi D, Barton J (2008) Navigational skills correlate with hippocampal fractional anisotropy in humans. *Hippocampus* 18:335-9
 26. Wang J, Ho C, Giaschi D (2007) Deficient motion-defined and texture-defined figure-ground segregation in amblyopic children. *Journal of Pediatric Ophthalmology and Strabismus* 44:363-71
 27. Ho C, Giaschi D (2007) Stereopsis-dependent deficits in maximum motion displacement in strabismic and anisometropic amblyopia. *Vision Research* 47:2778-85
 28. Giaschi D, Zwicker A, Au Young S, Bjornson B (2007) The role of cortical area V5/MT+ in speed-tuned directional anisotropies in global motion perception. *Vision Research* 47:887-98
 29. Boden C, Giaschi D (2007) M-stream deficits and reading-related visual processes in developmental dyslexia. *Psychological Bulletin* 133:346-66
 30. Ho C, Giaschi D (2006) Deficient maximum motion displacement in amblyopia. *Vision Research* 46:4595-603
 31. Ho C, Paul P, Asirvatham A, Cavanagh P, Cline R, Giaschi D (2006) Abnormal spatial selection and tracking in children with amblyopia. *Vision Research* 46:3274-83
 32. Zwicker A, Hoag R, Edwards V, Boden C, Giaschi D (2006) The effects of optical blur on motion and texture perception. *Optometry and Vision Science* 83:382-90
 33. Ho C, Giaschi D, Boden C, Dougherty R, Cline R, Lyons C (2005) Deficient motion perception in the fellow eye of amblyopic children. *Vision Research* 45:1615-27
 34. Edwards V, Giaschi D, Low P, Edgell D (2005) Sensory and non-sensory influences on children's performance of dichotic pitch perception tasks. *Journal of the Acoustical Society of America* 117:3157-64
 35. Parrish E, Giaschi D, Boden C, Dougherty R (2005) The maturation of form and motion perception in school age children. *Vision Research* 45:827-37
 36. Chapman C, Hoag R, Giaschi D (2004) The effect of disrupting the human magnocellular pathway on global motion perception *Vision Research* 44:2551-7
 37. Visser T, Boden C, Giaschi D (2004) Children with dyslexia: evidence for temporal processing deficits. *Vision Research* 44:2521-35
 38. Tata M, Giaschi D (2004) Warning: Attending to a mask may be hazardous to your perception. *Psychonomic Bulletin & Review* 11:262-8
 39. Edwards V, Giaschi D, Dougherty R, Edgell D, Bjornson B, Lyons C, Douglas R (2004) Psychophysical indices of temporal processing abnormalities in children with dyslexia. *Developmental Neuropsychology* 25:321-54
 40. Giaschi D, Jan J, Bjornson B, Au Young S, Tata M, Good W, Lyons C, Wong P (2003) Conscious visual abilities in a patient with early bilateral occipital damage. *Developmental Medicine & Child Neurology* 45:772-81
 41. Dougherty R, Cynader M, Bjornson B, Edgell D, Giaschi D (1998) Dichotic pitch revisited: A new stimulus distinguishes normal and dyslexic auditory function. *Neuroreport* 9:3001-5

42. Giaschi D, Regan D (1997) The development of motion-defined figure-ground segregation in preschool and older children, using a letter-identification task. *Optometry and Vision Science* 74:761-7
43. Giaschi D, Lang A, Regan D (1997) Reversible dissociation of sensitivity to dynamic stimuli in Parkinson's disease: is magnocellular function essential to reading motion-defined letters? *Vision Research* 37:3531-4
44. Giaschi D, Trope G, Kothe A, Hong X-H (1996) Loss of sensitivity to motion-defined form in patients with primary open angle glaucoma and ocular hypertension. *Journal of the Optical Society of America A* 13:707-16
45. Giaschi D, Douglas R, Marlin S, Cynader M (1993) The time course of direction-selective adaptation in simple and complex cells in cat striate cortex. *Journal of Neurophysiology* 70:2024-34
46. Regan D, Giaschi D, Fresco B (1993) Measurement of glare sensitivity in cataract patients using low-contrast letter charts. *Ophthalmic and Physiological Optics* 13:115-23
47. Giaschi D, Regan D, Kraft S, Kothe A (1993) Crowding and contrast in amblyopia. *Optometry & Vision Science* 70:192-7
48. Regan D, Giaschi D, Fresco B (1993) Measurement of glare-susceptibility using low-contrast letters. *Optometry & Vision Science* 70:969-75
49. Regan D, Giaschi D, Kraft S, Kothe A (1992) Method for identifying amblyopes whose reduced line acuity is caused by defective selection and/or control of gaze. *Ophthalmic and Physiological Optics* 12:425-32
50. Giaschi D, Regan D, Kraft S, Hong X-H (1992) Defective processing of motion-defined form in the fellow eye of unilateral amblyopes. *Investigative Ophthalmology & Visual Science* 33:2483-9
51. Regan D, Giaschi D, Sharpe J, Hong X-H (1992) Visual processing of motion-defined form: selective failure in patients with parieto-temporal lesions. *Journal of Neuroscience* 12:2198-210
52. Giaschi D, Regan D, Kothe A, Hong X-H, Sharpe J (1992) Motion-defined letter detection and recognition in patients with multiple sclerosis. *Annals of Neurology* 31:621-8
53. Giaschi D, Anstis S (1989) The less you see it, the faster it moves: Shortening the "on" time speeds up apparent motion. *Vision Research* 29:335-47
54. Howard IP, Giaschi D, Murasugi CM (1989) Suppression of OKN and VOR by afterimages and imaginary objects. *Experimental Brain Research* 75:139-4534
55. Anstis S, Giaschi D, Cogan A (1985) Adaptation to apparent motion. *Vision Research* 25:1051-62

B) Conference Proceedings

1. Meier K, Spering M, Giaschi D. (2019) Fixation stability is not related to global motion deficits in amblyopia. *Association for Research in Vision & Ophthalmology*, accepted
2. Shahin Y, Meier K, Giaschi D. (2019) The effect of visual field location and speed on global motion perception in children and adults. *Association for Research in Vision & Ophthalmology*, accepted
3. Ho C, Shahin Y, Reis H, Grenier S, Giaschi D. (2019) Binocular treatment for amblyopia in adults and children with low-pass filtering when occlusion therapy fails. *Association for Research in Vision & Ophthalmology*, accepted

4. Chakraborty A, Tran T, Giaschi D, Thompson B. (2018) Continuous theta burst TMS of area MT impairs attentive motion tracking. *Canadian Society for Neuroscience Satellite Symposium, Perception and Action in Self and Other*, abstract
5. Meier K, Spering M, Giaschi D. (2018) Fixation stability during global motion discrimination tasks. *Canadian Society for Neuroscience Satellite Symposium, Perception and Action in Self and Other*, abstract
6. Chang K, Meier K, Giaschi D. (2018) The effect of stimulus area on global motion thresholds in children and adults. *Canadian Society for Neuroscience Satellite Symposium, Perception and Action in Self and Other*, abstract
7. Kugathasan L, Partanen M, Chu V, Lyons C, Giaschi D. (2018) Reading ability of children treated for amblyopia. *Canadian Society for Neuroscience Satellite Symposium, Perception and Action in Self and Other*, abstract
8. Shahin Y, Meier K, Giaschi D. (2018) The effect of visual hemifield on global motion perception: A developmental study. *Canadian Society for Neuroscience Satellite Symposium, Perception and Action in Self and Other*, abstract
9. Giaschi D, Meier M, Chu V, Bryden P, Niechwiej-Szwedo E. (2018) Maturation of visuomotor coordination and motion-defined form perception in typically-developing children. *Journal of Vision 18(10):779*.
10. Tardif J, Kugathasan L, Gosselin F, Giaschi D. (2018) Developmental of the contrast sensitivity function. *Journal of Vision 18(10):778*.
11. Meier K, Giaschi D, Spering M. (2018) Fixation stability during global motion discrimination tasks. *Journal of Vision 18(10):1281*.
12. Tran T, Chakraborty A, Giaschi D, Thompson T. (2018) Continuous theta burst TMS of area MT impairs attentive motion tracking. *Journal of Vision 18(10):985*.
13. Birch E, Jost R, Wang Y-Z, Kelly K, Giaschi D. (2018) Impaired fellow eye motion perception in amblyopic children is alleviated by binocular treatment. *Invest. Ophthalmol. Vis. Sci.* 59(9):5959.
14. Chow A, Giaschi D, Thompson B. (2018) Attention is biased towards the fellow eye in strabismic amblyopia. *Invest. Ophthalmol. Vis. Sci.* 59(9):5958.
15. Birch E, Jost R, Wang Y-Z, Kelly K, Giaschi D. (2018) Impaired motion perception in the fellow eye of children with amblyopia is related to binocular function. *American Association for Pediatric Ophthalmology and Strabismus* abstract
16. Ye XC, Shyr C, Roslin N, Giaschi D, Patel MS, Wasserman WW. (2017) Linkage analysis and whole genome sequencing analysis in familial isolated strabismus. *American Society of Human Genetics* abstract
17. Meier K, Giaschi D, Spering M (2017) Global motion discrimination and fixation stability in amblyopia. *Gordon Research Seminar* abstract
18. Meier K, Giaschi D, Spering M (2017) Global motion discrimination and fixation stability in amblyopia. *Gordon Eye Movement Conference* abstract
19. Partanen M, Williams L, Kim HC, Kwan K, Siegel LS, Giaschi D. (2017) Resting state connectivity following intervention for reading disabilities. *Organization for Human Brain Mapping* abstract
20. Giaschi D, Partanen M, Kugathasan L, Chu V, Lyons C. (2017) Reading ability of children treated for amblyopia. *Journal of Vision 17(10):635*.
21. Meier K, Javadian F, Chang K, Giaschi D. (2017) The effect of stimulus area on global motion thresholds in children and adults. *Journal of Vision 17(10):435*.

22. Chakraborty A, Hua K, Chan L, Giaschi D, Thompson B. (2017) Multiple object tracking in peripheral vision. *Journal of Vision* 17(10):1308.
23. Giaschi D. (2017) Neural correlates of motion perception deficits in amblyopia. *Association for Research in Vision and Ophthalmology* abstract - workshop
24. Brown-Lum M, Fitzpatrick K, Kim D, Oberlander T, Rauscher A, Giaschi D, Bjornson B, Zwicker J. (2016) White matter differences in children with developmental coordination disorder. Poster presentation. *Child Neurology Society, October 26-29*, Vancouver, BC
25. Meier K, Giaschi D, Wilcox L, Seemiller E, Candy TR. (2016) Vergence responses to fine and coarse disparities: Adult-like tuning functions at 5 years of age. *Journal of Vision* 16(12):841. doi: 10.1167/16.12.841
26. Tardif J, Watson M, Giaschi D, Gosselin F. (2016) Measuring the contrast sensitivity function in just three clicks. *Journal of Vision* 16(12):966. doi: 10.1167/16.12.966
27. Chow A, Giaschi D, Thompson B (2016) Attentive motion tracking does not utilize eye-of-origin information. *Journal of Vision* 16(12):1261. doi: 10.1167/16.12.1261
28. Meier K, Sum B, Wilcox L, Giaschi D. (2016) Sparing of coarse stereopsis in stereodeficient children depends on amblyogenic factors. *Investigative Ophthalmology & Visual Science* 57(12):3091
29. Meier K, Tahmasebi S, Giaschi D. (2015) The maturation of global motion perception in school-aged children. *Child Vision Research Society* abstract.
30. Partanen M, Kim D, Williams L, Siegel L, Giaschi D. (2015) Cerebellar grey and white matter and their relationship to reading and cognition. *Human Brain Mapping Conference* abstract
31. Giaschi D. (2015) Motion processing deficits in children with amblyopia. *Canadian Association for Neuroscience* abstract
32. Watson M, Yuskiv N, Chapman C, Stockler S, Giaschi D. (2015) The effect of pharmacological intervention on contrast sensitivity deficits in phenylketonuria. *Canadian Association for Neuroscience* abstract
33. Meier K, Sum B, Giaschi D. (2015) Global motion perception deficits in children with amblyopia as a function of spatial and temporal stimulus parameters. *Journal of Vision* 15(12):653. doi: 10.1167/15.12.653
34. Watson M, Yuskiv N, Chapman C, Stockler S, Giaschi D. (2015) The effect of pharmacological intervention on contrast sensitivity deficits in phenylketonuria. *Journal of Vision* 15(12):657. doi: 10.1167/15.12.657
35. Kaneko S, Giaschi D, Anstis S. (2014). The effect of flicker on apparent spatial frequency. *Asia-Pacific Conference on Vision/I-Perception* 5(4): 247
36. Partanen M, Siegel L, Giaschi D. (2014) Structural and functional neuroimaging of reading in children. *European Association for Research on Learning and Instruction (Neuroscience and Education)* abstract
37. Meier K, Qiao G, Wilcox L, Giaschi D. (2014) Coarse stereopsis reveals residual binocular function in children with strabismus. *Journal of Vision* 14(10):698 doi:10.1167/14.10.698
38. Giaschi D. (2014) Multiple object-tracking in amblyopia. *Association for Research in Vision and Ophthalmology* abstract- minisymposium
39. Giaschi D, Chapman C, Narasimhan S, Ho C, Lyons C, Regan D. (2013) Motion perception deficits and occlusion therapy for amblyopia. *Child Vision Research Society* abstract.
40. Meier K, Giaschi D. (2013) Resolving inconsistencies in human global motion maturation. *Child Vision Research Society* abstract.

41. Meier K, Partanen M, Lo R, Giaschi D. (2013) Neural correlates of speed-tuned differences in global motion and motion-defined form perception. *Journal of Vision* 13(9):360 doi: 10.1167/13.9.360
42. Wilcox L, Redwood J, Giaschi D. (2013) Does the loss of sensory fusion demarcate fine vs coarse processing? *Journal of Vision* 13(9):1178 doi: 10.1167/13.9.1178
43. Partanen M, Bjornson B, Edgell D, Giaschi D. (2013) Effect of difficulty on orthographic and phonological single-word reading activation in developmental dyslexia. *Human Brain Mapping Conference abstract*
44. Patel M, Ye X, Shyr C, Zong Z, Thomas M, Power P, Roslin N, Narasimhan S, Giaschi D, Wasserman W. (2013) Mapping a new locus for autosomal dominant comitant strabismus. *American Society of Human Genetics*
45. Giaschi D, Narasimhan S (2012) Using motion perception in the treatment of amblyopia. *International Orthoptic Congress*
46. Giaschi D, Narasimhan S, Lo R, Lyons C, Gardiner J, Aroichane M, Wilcox L. (2012) Sparing of coarse stereopsis in children with amblyopia. *Journal of Vision* 12(9):1364 doi: 10.1167/12.9.1364
47. Narasimhan S, Wilcox L, Solski A, Harrison E, Giaschi D. (2012) Fine and coarse stereopsis follow different developmental trajectories in children. *Journal of Vision* 12(9):219 doi: 10.1167/12.9.219
48. Narasimhan S, Giaschi D (2011) The effect of dot speed and density on the maturation of global motion perception. *Journal of Vision* 11(15):53 doi: 10.1167/11.15.53
49. Partanen M, Bjornson B, Edgell D, Fitzpatrick K, Giaschi D (2011) The cortical basis for the dichotic pitch deficit in developmental dyslexia. *Brain Development Conference*, pg 35
50. Partanen M, Fitzpatrick K, Edgell D, Bjornson B, Giaschi D (2011) The cortical basis for the dichotic pitch deficit in developmental dyslexia. *Cognitive Neuroscience Conference*
51. Narasimhan S, Harrison E, Giaschi D (2011) Quantitative measurement of interocular suppression in children with amblyopia. *Journal of Vision* 11(11):410 doi:10.1167/11.11.410
52. Giaschi D, Hayward J, Truong G, Partanen M (2010) The effect of speed, age and amblyopia on the perception of motion-defined form. *Journal of Vision* 10(7):465 doi:10.1167/10.7.465
53. Solski A, Giaschi D, Wilcox L (2010) Perceptual grouping leads to depth discrimination deficits in adults, not children. *Journal of Vision* 10(7):367 doi:10.1167/10.7.367
54. Partanen M, Edgell D, Bjornson B, Giaschi D (2010) Cortical systems utilized for reading and temporal processing in developmental dyslexia. *Cognitive Neuroscience Conference*
55. Secen J, Culham J, Giaschi D (2009) The cortical basis of attentive tracking deficits in amblyopia: An fMRI study. *Program No. 558.2*. Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online
56. Partanen M, Edgell D, Bjornson B, Giaschi D (2009) Overlapping cortical systems for reading and temporal processing. *Canadian Journal of Experimental Psychology* 63(4):341
57. Giaschi D, Cheema R, Ho C, Vanderbyl B, Kim D, Yau A, Secen J (2009) The effect of speed on the typical and atypical development of motion-defined form perception. *Journal of Vision* 9(8):648a doi: 10.1167/9.8.648
58. Scheel M, Lanyon L, Giaschi D, Barton J (2009) The organization of inter-hemispheric projections from areas 17 and 18 in the human splenium, studied with DTI probabilistic fiber tracking. *Journal of Vision* 9(8):772a doi: 10.1167/9.8.772

59. Pollock N, Lanyon L, Giaschi G, Bjornson B, Barton J (2008) A combined fMRI and DTI study of projections between V5 and thalamus: a potential substrate of blindsight. *Canadian Ophthalmology Society Meeting*.
60. Giaschi D, Mackenzie K, Boden C, Solski A, Wilcox L. (2008) The development of coarse stereopsis in school aged children. *Journal of Vision* 8(6):99a doi: 10.1167/8.6.99
61. Lanyon L, Au Young S, Fitzpatrick K, Diao L, Pollock N, Bjornson B, Giaschi D, Barton J (2007) A combined functional MRI (fMRI) and diffusion tensor imaging (DTI) analysis of extrastriate cerebral motion pathways. *Society for Neuroscience Abstracts* 33:616.15
62. Giaschi D, Boden C, Shahbazi L, Edgell D, Bjornson D, Field L (2007) Visual and auditory temporal processing in families with dyslexia. *Canadian Language and Literacy Research Network Conference*.
63. Ho C, Giaschi D (2007) Low-level and high-level maximum motion displacement: evidence from functional magnetic resonance imaging. *Canadian Journal of Experimental Psychology* 61(4):352
64. Ho C, Giaschi D (2007) Low-level and high-level maximum motion displacement: evidence from functional magnetic resonance imaging. *Centre for Vision Research Conference*.
65. Giaschi D, Zwicker A, Lee B, Au Young S, Bjornson B (2007) The role of area V5/MT+ in the centripetal bias in global motion perception. *Journal of Vision* 7(9):751a
66. Giaschi D, Ho C, Cavanagh P. (2006). Deficiencies of higher-order motion perception in children with amblyopia. *European Conference on Visual Perception/Perception* 35(S):171
67. Giaschi D, Edwards V, Au Young S, Bjornson B (2005) Asymmetrical cortical activation by global motion in children with dyslexia. *Journal of Vision* 5(8):848a
68. Zwicker A, Giaschi D (2005) Speed-tuned global motion mechanisms. *Journal of Vision* 5(8):840a
69. Ho C, Giaschi D (2005) Low-level and high-level maximum motion displacement deficits in amblyopic children. *Journal of Vision* 5(8):292a
70. Ho C, Giaschi D (2004) The effect of optical blur on maximum motion displacement. *Optometry & Vision Science* 81(12S):138
71. Zwicker A, Giaschi D (2004) Directional anisotropies for full-field and hemifield global motion processing. *Journal of Vision* 4(8):848
72. Chen C-C, Giaschi D, Bjornson B, Au Young S (2003) BOLD activation for detection and identification of motion-defined form in human brain. *Society for Neuroscience Abstracts* 29:591.18
73. Hoag R, Chapman C, Giaschi D (2003) The effect of disrupting the human magnocellular pathway on global motion perception. *Journal of Vision* 3(9):274
74. Hoag R, Boden C, Westerop K, Giaschi D (2002) The effects of optical blur on motion and form perception. *Canadian Society for Brain, Behaviour and Cognitive Science*.
75. Giaschi D, Bjornson B, Jan J, Tata M, Au Young S, Lyons CJ, Good WV, Wong PKH (2002) Conscious visual abilities in a patient with early bilateral occipital damage. *Journal of Vision* 2(7):428
76. Bjornson B, Giaschi D, Slick D, Connolly M, Au Young S (2001) Hemispheric dissociation of verb generation from verb reading: functional MRI of an adolescent with early left MCA infarction. *Neuroimage* 13:S508
77. Giaschi D, Bjornson B, Jan J, Au Young S, Tata M, Wong P (2001) fMRI activation and residual vision for rapid movement in a case of bilateral cortical blindness due to early occipital damage. *Neuroimage* 13:S886

78. Paul PS, Giaschi D, Cavanagh P, Cline R (2001) Attention deficits in children with anisometric amblyopia. *Journal of Vision* 1(3):80a
79. Giaschi D, Prevost D, von Grunau M (2001) The line-motion illusion in developmental dyslexia. *Investigative Ophthalmology & Visual Science* 42:S850
80. Chen C, Giaschi D (2001) The motion direction effect on motion-defined form perception. *Investigative Ophthalmology & Visual Science* 42:S724
81. Giaschi D, Bjornson B, Dougherty RF, Au Young S (2000) Cortical mechanisms of central pitch processing revealed by dichotic pitch stimuli. *Neuroimage* 11:S703
82. Giaschi D, Boden C, Dougherty RF (2000) Similarities in the maturation of motion and texture perception in children. *Investigative Ophthalmology & Visual Science* 41:S727
83. Boden C, Giaschi D (2000) The role of low spatial frequencies in reading: a masked priming study. *Investigative Ophthalmology & Visual Science* 41:S434
84. Wong PKH, Bjornson B, Connolly M, Steinbok P, Au Young S, Giaschi D, Gregory D, Smith S, Lee R, Man A, Cochrane D (1999) High resolution EEG and seizure localization. *Neuroimage* 9:S601
85. Bjornson B, Giaschi D, Cochrane D, Au Young S, Rootman D, Boden C, Connolly M, Poskitt K, Boyle C, Smith S, Akagami R, Wong PKH (1999) Non-invasive mapping of sensorimotor cortex in a child with a cavernous angioma: fMRI and high-resolution EEG compared with surgical mapping. *Neuroimage* 9:S696
86. Visser TA, Boden C, Giaschi D (1999) The attentional blink in children with developmental dyslexia. *Canadian Society for Brain, Behaviour and Cognitive Science*.
87. Giaschi DE, Boden C, Dougherty RF, Lyons CJ, Cline R (1999) Motion deficits in the fellow eye of children with amblyopia, *Investigative Ophthalmology & Visual Science* 40:S53
88. Boden C, Giaschi D (1999) Adaptation to uniform flicker elevates motion coherence thresholds, *Investigative Ophthalmology & Visual Science* 40:S424
89. Tata M, Giaschi D (1999) Selective attention to the mask modulates object substitution masking, *Investigative Ophthalmology & Visual Science* 40:S806
90. Wong PKH, Bjornson B, Connolly M, Steinbok P, Poskitt K, Giaschi D, Cochrane D (1999) High resolution EEG: preliminary results. *Clinical Neurophysiology* 110:2380-1
91. Dougherty R, Au Young S, Giaschi D, Bjornson B, Wong P (1998) Comparison of visual activation measured by fMRI and high resolution EEG. *NeuroImage* 7:S309
92. Boden C, Giaschi D, Dougherty R (1998) Maturation of motion perception in preschoolers. *Investigative Ophthalmology & Visual Science* 39:S1086
93. Dougherty R, Giaschi D (1998) Reaction time to spatial frequency measured with the point process method. *Investigative Ophthalmology & Visual Science* 39:S405
94. Tata M, DiLollo V, Giaschi D (1998) Visual attention modulates metacontrast masking. *Investigative Ophthalmology & Visual Science* 39:S632
95. Giaschi D, Simpson W, Ferdinandi A, Tata M (1997) The effect of stationary noise on global motion perception. *Investigative Ophthalmology & Visual Science* 38:S14
96. Dougherty R, Giaschi D, Bjornson B, Chamut S, Edgell D, Lyons C (1997) In search of the best psychophysical indicator of an M-stream deficit in developmental dyslexia *Investigative Ophthalmology & Visual Science* 38:S114
97. Giaschi D, Regan D (1995) Dissociated visual development in the processing of motion-defined and luminance-defined form. *Investigative Ophthalmology & Visual Science* 36:S443

98. Giaschi D, Regan D, Kothe A, Hong X-H (1993) Abnormal processing of motion-defined form in patients with primary open angle glaucoma and ocular hypertension. *Investigative Ophthalmology & Visual Science* 34:2769
99. Cynader M, Giaschi D, Douglas R (1993) Interocular transfer of direction-specific adaptation to motion in cat striate cortex. *Investigative Ophthalmology & Visual Science* 34:2386
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