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Digitimer DS7xx High Voltage Constant Current Stimulator

Product References

1. Albermann M, 2008. Reaktion des somatosensiblen Systems auf Stimuli unterschiedlicher Länge. deposit.ddb.de. Available at: http://deposit.ddb.de/cgi-bin/dokserv?idn=990177866&dok_var=d1&dok_ext=pdf&filename=990177866.pdf.

2. Alexander C, McMullan M, Harrison P. What is the effect of taping along or across a muscle on motoneurone excitability? A study …. *Manual Therapy*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1356689X06001457.

3. Allen GM, Gandevia AS, Middleton J. Quantitative assessments of elbow flexor muscle performance using twitch interpolation in post-polio patients: no evidence for deterioration. *Brain*. 1997;120(4):663-672. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/120/4/663.

4. Andersen LL, Andersen JL, Magnusson SP, et al. Changes in the human muscle force-velocity relationship in response to resistance training and subsequent detraining. *Journal of Applied Physiology*. 2005;99(1):87-94. Available at: http://jap.physiology.org/cgi/content/abstract/99/1/87.

5. Aymanns M, Yekta S, Ellrich J. Homotopic long-term depression of trigeminal pain and blink reflex within one side of the …. *Clinical Neurophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245709005483.

6. Baas J, Mol N, Kenemans J, Prinssen E. Validating a human model for anxiety using startle potentiated by cue and context: the …. *Psychopharmacology*. 2009. Available at: http://www.springerlink.com/index/906p045606524034.pdf.

7. Babault N, Desbrosses K, Fabre MS, Michaut A, Pousson M. Neuromuscular fatigue development during maximal concentric and isometric knee extensions. *Journal of Applied Physiology*. 2006;100(3):780-785. Available at: http://jap.physiology.org/cgi/content/abstract/100/3/780.

8. Babault N, Pousson M, Ballay Y, Van Hoecke J. Activation of human quadriceps femoris during isometric, concentric, and eccentric contractions. *Journal of Applied Physiology*. 2001;91(6):2628-2634. Available at: http://jap.physiology.org/cgi/content/abstract/91/6/2628.

9. Babault N, Pousson M, Michaut A, Van Hoecke J. Effect of quadriceps femoris muscle length on neural activation during isometric and concentric contractions. *Journal of Applied Physiology*. 2003;94(3):983-990. Available at: http://jap.physiology.org/cgi/content/abstract/94/3/983.

10. Baker MR, Baker SN. The effect of diazepam on motor cortical oscillations and corticomuscular coherence studied in man. *Journal of Physiology*. 2003;546(3):931-942. Available at: http://jp.physoc.org/cgi/content/abstract/546/3/931.

11. Balnave CD, Thompson MW. Effect of training on eccentric exercise-induced muscle damage. *Journal of Applied Physiology*. 1993;75(4):1545-1551. Available at: http://jap.physiology.org/cgi/content/abstract/75/4/1545.

12. Barzi Y, Zehr E. Rhythmic arm cycling suppresses hyperactive soleus H-reflex amplitude after stroke. *Clinical Neurophysiology*. 2008. Available at:

http://linkinghub.elsevier.com/retrieve/pii/S138824570800165X.

13. Beekhuizen K, Field-Fote E. Sensory stimulation augments the effects of massed practice training in persons with …. *Archives of Physical Medicine and Rehabilitation*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S000399930701814X.

14. Behm DG, St-Pierre DM, Perez D. Muscle inactivation: assessment of interpolated twitch technique. *Journal of Applied Physiology*. 1996;81(5):2267-2273. Available at: http://jap.physiology.org/cgi/content/abstract/81/5/2267.

15. Beltman JGM, Sargeant AJ, Mechelen W van, Haan A de. Voluntary activation level and muscle fiber recruitment of human quadriceps during lengthening contractions. *Journal of Applied Physiology*. 2004;97(2):619-626. Available at: http://jap.physiology.org/cgi/content/abstract/97/2/619.

16. Bhadra N, Gustafson K, Bruns T, 2009. System and Method of Bladder and Sphincter Control. *freepatentsonline.com*. Available at: http://www.freepatentsonline.com/y2009/0254144.html.

17. Bikmullina R, Bäumer T, Zittel S, Münchau A. Sensory afferent inhibition within and between limbs in humans. *Clinical Neurophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245708012753.

18. Bikmullina R, Kičić D, Carlson S, Nikulin V. Electrophysiological correlates of short-latency afferent inhibition: a combined EEG and TMS …. *Experimental Brain Research*. 2009. Available at: http://www.springerlink.com/index/P5705N7207835412.pdf.

19. Bilodeau M, Henderson TK, Nolta BE, Pursley PJ, Sandfort GL. Effect of aging on fatigue characteristics of elbow flexor muscles during sustained submaximal contraction. *Journal of applied physiology (Bethesda, Md. : 1985)*. 2001;91(6):2654-64. Available at: http://www.ncbi.nlm.nih.gov/pubmed/11717231.

20. Blankenburg F, Ruff CC, Bestmann S, et al. Interhemispheric effect of parietal TMS on somatosensory response confirmed directly with concurrent TMS-fMRI. *Journal of Neuroscience*. 2008;28(49):13202. Available at: http://neuro.cjb.net/cgi/content/abstract/28/49/13202.

21. Blankenburg F, Ruff CC, Deichmann R, Rees G, Driver J. The cutaneous rabbit illusion affects human primary sensory cortex somatotopically. *PLoS biology*. 2006;4(3):e69. Available at: http://www.ncbi.nlm.nih.gov/pubmed/16494530.

22. Blouin J, Walsh L, Nickolls P, Gandevia S. High-frequency submaximal stimulation over muscle evokes centrally generated forces in …. *Journal of Applied Physiology*. 2009. Available at: http://jap.physiology.org/cgi/content/abstract/106/2/370.

23. Booth J, McKenna MJ, Ruell PA, et al. Impaired calcium pump function does not slow relaxation in human skeletal muscle after prolonged exercise. *J.Appl.Physiol*. 1997;83(2):511-521. Available at: file://N:\Docs\Company\Papers\DS7\00283 Booth 1997.pdf .

24. Brookes M, Vrba J, Mullinger K. Source localisation in concurrent EEG/fMRI: applications at 7T. *NeuroImage*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1053811908011609.

25. Brozzoli C, Pavani F, Urquizar C, Cardinali L. Grasping actions remap peripersonal space. *NeuroReport*. 2009. Available at: http://journals.lww.com/neuroreport/Abstract/2009/07010/Grasping_actions_remap_peripersonal_space.4.aspx.

26. Brozzoli C, Ishihara M, Göbel SM, et al. Touch perception reveals the dominance of spatial over digital representation of numbers. *Proceedings of the National Academy of Sciences of the United States of America*. 2008;105(14):5644-8. Available at: http://www.ncbi.nlm.nih.gov/pubmed/18385382.

27. Bruns T, Bhadra N, Gustafson K. Proximal bursting stimuli improves voiding. *Journal of Neural Engineering*. 2009. Available at: http://www.iop.org/EJ/abstract/1741-2552/6/6/066006.

28. Burne JA, Lippold OCJ. Reflex inhibition following electrical stimulation over muscle tendons in man. *Brain*. 1996;119(4):1107-1114. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/119/4/1107.

29. Bäumer T, Demiralay C, Hidding U, et al. Abnormal plasticity of the sensorimotor cortex to slow repetitive transcranial magnetic stimulation in patients with writer's cramp. *Movement disorders : official journal of the Movement Disorder Society*. 2007;22(1):81-90. Available at: http://www.ncbi.nlm.nih.gov/pubmed/17089385.

30. Campbell C, France C, Robinson M. Ethnic differences in diffuse noxious inhibitory controls. *Journal of Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1526590008005026.

31. Carroll T, Lee M, Hsu M, Sayde J. Unilateral practice of a ballistic movement causes bilateral increases in performance and …. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/104/6/1656.

32. Chee C, Arshad S, Singh S, Mistry S, Hamdy S. The Influence of Chemical Gustatory Stimuli and Oral Anaesthesia on Healthy Human Pharyngeal Swallowing. *Chemical Senses*. 2005;30(5):393-400. Available at: http://chemse.oxfordjournals.org/cgi/content/abstract/30/5/393.

33. Chizh BA, Dusch M, Puthawala M, et al. The Effect of Intravenous Infusion of Adenosine on Electrically Evoked Hyperalgesia in a Healthy Volunteer Model of Central Sensitization. *Anesthesia & Analgesia*. 2004;99(3):816-822. Available at: http://www.anesthesia-analgesia.org/cgi/content/abstract/99/3/816.

34. Christmann C, Koeppe C, Braus DF, Ruf M, Flor H. A simultaneous EEG-fMRI study of painful electric stimulation. *NeuroImage*. 2007;34(4):1428-37. Available at: http://www.ncbi.nlm.nih.gov/pubmed/17178235.

35. Christmann C, Ruf M, Braus DF, Flor H. Simultaneous electroencephalography and functional magnetic resonance imaging of primary and secondary somatosensory cortex in humans after electrical stimulation. *Neurosci.Lett.* 2002;333(1):69-73. Available at: file://N:\Docs\Company\Papers\DS7\00074 Christmann_2002.pdf .

36. Clair J, Okuma Y, Misiaszek J, Collins D. Reflex pathways connect receptors in the human lower leg to the erector spinae muscles of …. *Experimental Brain Research*. 2009. Available at: http://www.springerlink.com/index/c705h66x30052721.pdf.

37. Cook CS, McDonagh MJ. Force responses to controlled stretches of electrically stimulated human muscle-tendon complex. *Experimental Physiology*. 1995;80(3):477-490. Available at: http://ep.physoc.org/cgi/content/abstract/80/3/477.

38. Cook CS, McDonagh MJ. Force responses to constant-velocity shortening of electrically stimulated human muscle-tendon complex. *Journal of Applied Physiology*. 1996;81(1):384-392. Available at: http://jap.physiology.org/cgi/content/abstract/81/1/384.

39. Coppens E, Spruyt A, Vandenbulcke M. Classically conditioned fear responses are preserved

following unilateral temporal …. *Neuropsychologia*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0028393209001936.

40. Courtney C, Lewek M, Witte P. Heightened Flexor Withdrawal Responses in Subjects With Knee Osteoarthritis. *Journal of Pain*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1526590009005653.

41. Crombez G, Eccleston C, Vlieger PD. Is it better to have controlled and lost than never to have controlled at all? An experimental …. *Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395907006380.

42. Cruccu G, Truini A, Priori A. Excitability of the human trigeminal motoneuronal pool and interactions with other brainstem reflex pathways. *Journal of Physiology*. 2001;531(2):559-571. Available at: http://jp.physoc.org/cgi/content/abstract/531/2/559.

43. D'Août K, Curtin N a, Williams TL, Aerts P. Mechanical properties of red and white swimming muscles as a function of the position along the body of the eel Anguilla anguilla. *The Journal of experimental biology*. 2001;204(Pt 13):2221-30. Available at: http://www.ncbi.nlm.nih.gov/pubmed/11507106.

44. Damm L, McIntyre J. Physiological basis of limb-impedance modulation during free and constrained movements. *Journal of Neurophysiology*. 2008. Available at: http://jn.physiology.org/cgi/content/abstract/100/5/2577.

45. De Ruiter CJ, Haan A de. Similar effects of cooling and fatigue on eccentric and concentric force-velocity relationships in human muscle. *Journal of Applied Physiology*. 2001;90(6):2109-2116. Available at: http://jap.physiology.org/cgi/content/abstract/90/6/2109.

46. De Ruiter CJ, Haan A de. Shortening-induced depression of voluntary force in unfatigued and fatigued human adductor pollicis muscle. *Journal of Applied Physiology*. 2003;94(1):69-74. Available at: http://jap.physiology.org/cgi/content/abstract/94/1/69.

47. De Ruiter CJ, Haan A de, Jones DA, Sargeant AJ. Shortening-induced force depression in human adductor pollicis muscle. *Journal of Physiology*. 1998;507(2):583-591. Available at: http://jp.physoc.org/cgi/content/abstract/507/2/583.

48. De Ruiter CJ, Didden WJM, Jones DA, Haan A de. The force-velocity relationship of human adductor pollicis muscle during stretch and the effects of fatigue. *Journal of Physiology*. 2000;526(3):671-681. Available at: http://jp.physoc.org/cgi/content/abstract/526/3/671.

49. De Ruiter CJ, Jones DA, Sargeant AJ, Haan A de. Temperature effect on the rates of isometric force development and relaxation in the fresh and fatigued human adductor pollicis muscle. *Experimental Physiology*. 1999;84(6):1137-1150. Available at: http://ep.physoc.org/cgi/content/abstract/84/6/1137.

50. De Ruiter CJ, May a M, Engelen BGM van, et al. Muscle function during repetitive moderate-intensity muscle contractions in myoadenylate deaminase-deficient Dutch subjects. *Clinical science (London, England : 1979)*. 2002;102(5):531-9. Available at: http://www.ncbi.nlm.nih.gov/pubmed/11980572.

51. Diener C, Kuehner C, Brusniak W, Struve M. Effects of stressor controllability on psychophysiological, cognitive and behavioural …. *Psychological Medicine*. 2008. Available at: http://journals.cambridge.org/production/action/cjoGetFulltext?fulltextid=2942840.

52. Diener C, Struve M, Balz N, Kuehner C, Flor H. Exposure to uncontrollable stress and the postimperative negative variation (PINV): Prior …. *Biological Psychology*. 2009. Available at:

http://linkinghub.elsevier.com/retrieve/pii/S030105110800197X.

53. Diers M, Koeppe C, Yilmaz P, Thieme K. Pain ratings and somatosensory evoked responses to repetitive intramuscular and …. *Journal of Clinical Neurophysiology*. 2008. Available at: http://pdfs.journals.lww.com/clinicalneurophys/2008/06000/00005.pdf.

54. Donohue M, Murtagh-Schaffer C, Basta J. Pulse-Train Stimulation for Detecting Medial Malpositioning of Thoracic Pedicle Screws. *Spine*. 2008. Available at: http://journals.lww.com/spinejournal/Abstract/2008/05200/Pulse_Train_Stimulation_for_Detecting_Medial.20.aspx.

55. Dragert K, Zehr E. Rhythmic arm cycling modulates Hoffmann reflex excitability differentially in the ankle …. *Neuroscience Letters*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304394008015784.

56. Duclay J, Martin A. Evoked H-Reflex and V-Wave Responses During Maximal Isometric, Concentric, and Eccentric Muscle Contraction. *Journal of Neurophysiology*. 2005;94(5):3555-3562. Available at: http://jn.physiology.org/cgi/content/abstract/94/5/3555.

57. Dudley-Javoroski S, Littmann A, Iguchi M. Doublet stimulation protocol to minimize musculoskeletal stress during paralyzed …. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/104/6/1574.

58. Dunckley P, Wise RG, Aziz Q, et al. Cortical processing of visceral and somatic stimulation: differentiating pain intensity from unpleasantness. *Neuroscience*. 2005;133(0306-4522 (Print) LA - eng PT - Journal Article RN - 7782-44-7 (Oxygen) SB - IM):533-542. Available at: PM:15896917.

59. Dunckley P, Wise RG, Fairhurst M, et al. A comparison of visceral and somatic pain processing in the human brainstem using functional magnetic resonance imaging. *Journal of Neuroscience*. 2005;25(1529-2401 (Electronic) LA - eng PT - Journal Article SB - IM):7333-7341. Available at: PM:16093383.

60. Dundon J, Cirillo J, Semmler J. Low-frequency fatigue and neuromuscular performance after exercise-induced damage to …. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/105/4/1146.

61. Edwards L, Ring C, France C, McIntyre D. Effects of opioid blockade on nociceptive flexion reflex thresholds and nociceptive …. *International Journal of Psychophysiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0167876008000779.

62. Edwards L, Ring C, McIntyre D, Winer J. Cutaneous sensibility and peripheral nerve function in patients with unmedicated essential …. *Psychophysiology*. 2008. Available at: http://scholar.google.co.uk/scholar?start=100&q=Digitimer+DS7A&hl=en&as_sdt=2001&as_ylo=2008&as_vis=1#8.

63. Edwards RHT, Young A, Hosking GP, Jones DA. Human skeletal muscle function: description of tests and normal values. *Clin.Sci.Mol.Med.* 1977;52:283-290.

64. Elliott KJ, Cable NT, Reilly T. Does oral contraceptive use affect maximum force production in women? *British Journal of Sports Medicine*. 2005;39(1):15-19. Available at: http://bjsm.bmj.com/cgi/content/abstract/39/1/15.

65. Emery C, France C, Harris J, Norman G. Effects of progressive muscle relaxation training on nociceptive flexion reflex threshold in …. *Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395908000249.

66. Fernandez-del-Olmo M, Alvarez-Sauco M. How repeatable are the physiological effects of TENS? *Clinical Neurophysiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245708002198.

67. Fisher JP, White MJ. The time course and direction of lower limb vascular conductance changes during voluntary and electrically evoked isometric exercise of the contralateral calf muscle in man. *Journal of Physiology*. 2003;546(1):315-323. Available at: http://jp.physoc.org/cgi/content/abstract/546/1/315.

68. Folegatti A, Vignemont F de, Pavani F, 2009. Losing One's Hand: Visual-Proprioceptive Conflict Affects Touch Perception. *pubmedcentral.nih.gov*. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2732904.

69. France C. *Nociceptive Flexion Reflex Manual*.; 2002.

70. France CR, France JL, al'Absi M, Ring C, McIntyre D. Catastrophizing is related to pain ratings, but not nociceptive flexion reflex threshold. *Pain*. 2002;99(3):459-63. Available at: http://www.ncbi.nlm.nih.gov/pubmed/12406521.

71. France C, Rhudy J, McGlone S. Using normalized EMG to define the nociceptive flexion reflex (NFR) threshold: Further …. *Pain*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395909003674.

72. Fraser C, Rothwell J, Power M, et al. Differential changes in human pharyngoesophageal motor excitability induced by swallowing, pharyngeal stimulation, and anesthesia. *Am.J.Physiol Gastrointest.Liver Physiol*. 2003;285(1):G137-G144. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12606304&dopt=Citation .

73. Freyer F, Becker R, Anami K, Curio G. Ultrahigh-frequency EEG during fMRI: Pushing the limits of imaging-artifact correction. *Neuroimage*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1053811909006375.

74. Furlong P, Hobday DI, Hobson AR, et al. Cortical processing of human gut sensation: an evoked potential study. *Gastrointestinal and Liver Physiology*. 2002;283(2):G335-G339. Available at: http://ajpgi.physiology.org/cgi/content/abstract/283/2/G335.

75. Furlong P, Hobson AR, Worthen SF, et al. Real-time imaging of human cortical activity evoked by painful esophageal stimulation. *Gastroenterology*. 2005;128(0016-5085 (Print) LA - eng PT - Journal Article SB - AIM SB - IM):610-619. Available at: file://N:\Docs\Company\Papers\DS7\00400 Hobson_2005.pdf .

76. Furlong P, Hobson AR, Sarkar S, Thompson DG, Aziz Q. A cortical evoked potential study of afferents mediating human esophageal sensation. *Gastrointestinal and Liver Physiology*. 2000;279(1):G139-G147. Available at: http://ajpgi.physiology.org/cgi/content/abstract/279/1/G139.

77. Furlong P, Sarkar S, Hobson AR, et al. Central neural mechanisms mediating human visceral hypersensitivity. *Gastrointestinal and Liver Physiology*. 2001;281(5):G1196-G1202. Available at: http://ajpgi.physiology.org/cgi/content/abstract/281/5/G1196.

78. Garrett M, Kerr T, Caulfield B. Phase-Dependent Inhibition of H-Reflexes During Walking in Humans Is Independent of Reduction in Knee Angular Velocity. *Journal of Neurophysiology*. 1999;82(2):747-753. Available at: http://jn.physiology.org/cgi/content/abstract/82/2/747.

79. Garrison M, Schmit B. Flexor reflex decreases during sympathetic stimulation in chronic human spinal cord injury. *Experimental Neurology*. 2009. Available at:

http://linkinghub.elsevier.com/retrieve/pii/S0014488609002696.

80. Geertsen S, Lundbye-Jensen J, Nielsen J. Increased central facilitation of antagonist reciprocal inhibition at the onset of dorsiflexion …. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/105/3/915.

81. Gerrits HL, Haan a de, Hopman MT, Woude LH van der, Sargeant a J. Influence of muscle temperature on the contractile properties of the quadriceps muscle in humans with spinal cord injury. *Clinical science (London, England : 1979)*. 2000;98(1):31-8. Available at: http://www.ncbi.nlm.nih.gov/pubmed/10600656.

82. Gerrits K, Beltman M, Koppe P. Isometric Muscle Function of Knee Extensors and the Relation With Functional Performance …. *Archives of Physical Medicine and Rehabilitation*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0003999308016766.

83. Girling KJ, Bedforth NM, Spendlove JL, Mahajan RP. Assessing Neuromuscular Block at the Larynx: The Effect of Change in Resting Cuff Pressure and a Comparison with Video Imaging in Anesthetized Humans. *Anesthesia & Analgesia*. 1999;88(2):426. Available at: http://www.anesthesia-analgesia.org/cgi/content/abstract/88/2/426.

84. Girling KJ, Spendlove JL, Quraishi MS, Mahajan RP. Video Imaging to Assess Neuromuscular Blockade at the Larynx. *Anesthesia & Analgesia*. 2001;92(1):149-153. Available at: http://www.anesthesia-analgesia.org/cgi/content/abstract/92/1/149.

85. Gondin J, Duclay J, Martin A. Soleus- and Gastrocnemii-Evoked V-Wave Responses Increase After Neuromuscular Electrical Stimulation Training. *Journal of Neurophysiology*. 2006;95(6):3328-3335. Available at: http://jn.physiology.org/cgi/content/abstract/95/6/3328.

86. Gray M, Rylander K, Harrison N, Wallin B. Following one's heart: cardiac rhythms gate central initiation of sympathetic reflexes. *Journal of Neuroscience*. 2009. Available at: http://www.jneurosci.org/cgi/content/abstract/29/6/1817.

87. Green BA, Rhudy J, Arnau R, France C. Taxometric analysis of biceps femoris EMG following electrocutaneous stimulation over the …. *International Journal of Psychophysiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0167876008000573.

88. Grey M, Klinge K, Crone C, Lorentzen J. Post-activation depression of Soleus stretch reflexes in healthy and spastic humans. *Experimental Brain Research*. 2008. Available at: http://www.springerlink.com/index/YK0H311176504J80.pdf.

89. Griffin L, Anderson N. Fatigue in high-versus low-force voluntary and evoked contractions. *Experimental Brain Research*. 2008. Available at: http://www.springerlink.com/index/U07885785V42627K.pdf.

90. Griffin L, Jun B, Covington C, Doucet B. Force output during fatigue with progressively increasing stimulation frequency. *Journal of Electromyography and Kinesiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641106001544.

91. Grosset J, Mora I, Lambertz D, Pérot C. Voluntary activation of the triceps surae in prepubertal children. *Journal of Electromyography and Kinesiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641106001775.

92. Grosset J, Piscione J, Lambertz D, Pérot C. Paired changes in electromechanical delay and musculo-tendinous stiffness after endurance …. *European journal of applied physiology*. 2009. Available at: http://www.springerlink.com/index/9Q441L8W4720GT37.pdf.

93. Gruber M, Linnamo V, Strojnik V. Excitability at the motoneuron pool and motor cortex is specifically modulated in …. *Journal of Neurophysiology*. 2009. Available at: http://jn.physiology.org/cgi/content/abstract/101/4/2030.

94. Hamdy S, Enck P, Aziz Q, et al. Laterality effects of human pudendal nerve stimulation on corticoanal pathways: evidence for functional asymmetry. *Gut*. 1999;45(1):58-63. Available at: http://gut.bmj.com/cgi/content/abstract/45/1/58.

95. Hamdy S, Rothwell JC, Aziz Q, Singh KD, Thompson DG. Long-term reorganization of human motor cortex driven by short-term sensory stimulation. *Nature neuroscience*. 1998;1(1):64-8. Available at: http://www.ncbi.nlm.nih.gov/pubmed/10195111.

96. Hamdy S, Aziz Q, Rothwell JC, Hobson A, Thompson DG. Sensorimotor modulation of human cortical swallowing pathways. *Journal of Physiology*. 1998;506(3):857-866. Available at: http://jp.physoc.org/cgi/content/abstract/506/3/857.

97. Hamdy S, Enck P, Aziz Q, et al. Spinal and pudendal nerve modulation of human corticoanal motor pathways. *Gastrointestinal and Liver Physiology*. 1998;274(2):G419-G423. Available at: http://ajpgi.physiology.org/cgi/content/abstract/274/2/G419.

98. Hansen N, Klein T, Magerl W, Treede RD. Psychophysical evidence for long-term potentiation of C-fiber and A&dgr;-fiber pathways in humans by analysis of pain descriptors. *Journal of Neurophysiology*. 2007:1125. Available at: http://jn.physiology.org/cgi/content/abstract/01125.2006v1.

99. Harris ML, Hobson AR, Hamdy S, et al. Neurophysiological evaluation of healthy human anorectal sensation. *Gastrointestinal and Liver Physiology*. 2006;291(5):G950-G958. Available at: http://ajpgi.physiology.org/cgi/content/abstract/291/5/G950.

100. Harris-Love ML, Perez MA, Chen R, Cohen LG. Interhemispheric inhibition in distal and proximal arm representations in the primary motor cortex. *Journal of Neurophysiology*. 2007:1331. Available at: http://jn.physiology.org/cgi/content/abstract/01331.2006v1.

101. Hassan BS, Doherty SA, Mockett S, Doherty M. Effect of pain reduction on postural sway, proprioception, and quadriceps strength in subjects with knee osteoarthritis. *Annals of the Rheumatic Diseases*. 2002;61(5):422-428. Available at: http://ard.bmj.com/cgi/content/abstract/61/5/422.

102. Hassan BS, Mockett S, Doherty M. Static postural sway, proprioception, and maximal voluntary quadriceps contraction in patients with knee osteoarthritis and normal control subjects. *Annals of the Rheumatic Diseases*. 2001;60(6):612-618. Available at: http://ard.bmj.com/cgi/content/abstract/60/6/612.

103. Herbert RD, Gandevia SC. Muscle activation in unilateral and bilateral efforts assessed by motor nerve and cortical stimulation. *Journal of Applied Physiology*. 1996;80(4):1351-1356. Available at: http://jap.physiology.org/cgi/content/abstract/80/4/1351.

104. Hidler JM, Harvey RL, Rymer WZ. Frequency Response Characteristics of Ankle Plantar Flexors in Humans Following Spinal Cord Injury: Relation to Degree of Spasticity. *Annals of Biomedical Engineering*. 2002;30(7):969-981. Available at: http://www.springerlink.com/openurl.asp?id=doi:10.1114/1.1500409.

105. Hill CA, Thompson MW, Ruell PA, Thom JM, White MJ. Sarcoplasmic reticulum function and muscle contractile character following fatiguing exercise in humans. *Journal of Physiology*. 2001;531(3):871-878. Available at: http://jp.physoc.org/cgi/content/abstract/531/3/871.

106. Holloway V, Gadian DG, Vargha-Khadem F, et al. The reorganization of sensorimotor function in children after hemispherectomy. A functional MRI and somatosensory evoked potential study. *Brain*. 2000;123 Pt 12:2432-2444. Available at: file://N:\Docs\Company\Papers\DS7\00083 Burke_2000.pdf .

107. Howell JN, Cabell KS, Chila AG, Eland DC. Stretch Reflex and Hoffmann Reflex Responses to Osteopathic Manipulative Treatment in Subjects With Achilles Tendinitis. *Journal of the American Osteopathic Association*. 2006;106(9):537-545. Available at: http://www.jaoa.org/cgi/content/abstract/106/9/537.

108. Hsu M. Effects of 8 Weeks Passive Repetitive Isokinetic Training on Reciprocal Inhibition of Soleus …. *ethesys.ncpes.edu.tw*. Available at: http://ethesys.ncpes.edu.tw/ETD-db/ETD-search/view_etd?URN=etd-0711108-151855.

109. Hunter SK, Thompson MW, Ruell PA, et al. Human skeletal sarcoplasmic reticulum Ca2+ uptake and muscle function with aging and strength training. *J.Appl.Physiol*. 1999;86(6):1858-1865. Available at: file://N:\Docs\Company\Papers\DS7\00085 Hunter_1999.pdf .

110. Iberico C, Vansteenwegen D, Vervliet B. The development of cued versus contextual conditioning in a predictable and an …. *Acta Psychologica*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0001691807000832.

111. Jakobi JM, Rice CL. Voluntary muscle activation varies with age and muscle group. *J.Appl.Physiol*. 2002;93(2):457-462. Available at: file://N:\Docs\Company\Papers\DS7\00076 Jakobi_2002.pdf .

112. Jayaram G, Stinear J. The Effects of Transcranial Stimulation on Paretic Lower Limb Motor Excitability During …. *Journal of Clinical Neurophysiology*. 2009. Available at: http://journals.lww.com/clinicalneurophys/Abstract/2009/08000/The_Effects_of_Transcranial_Stimulation_on_Paretic.9.aspx.

113. Jayaram G, Stinear J. Contralesional paired associative stimulation increases paretic lower limb motor excitability …. *Experimental Brain Research*. 2008. Available at: http://www.springerlink.com/index/K7662455934XL588.pdf.

114. Jones DA, De Ruiter CJ, Haan A de. Change in contractile properties of human muscle in relationship to the loss of power and slowing of relaxation seen with fatigue. *Journal of Physiology*. 2006;576(3):913-922. Available at: http://jp.physoc.org/cgi/content/abstract/576/3/913.

115. Jull G, Sterling M, Falla D, 2008. Whiplash, headache, and neck pain: research-based directions for physical therapies. *books.google.com*. Available at: http://books.google.co.uk/books?hl=en&lr=&id=ntCu8PsiLlAC&oi=fnd&pg=PP8&dq=Digitimer+DS7A&ots=sXXrDgX6IA&sig=Amp3qDmJmempBCVe2BHBjrD8sGM.

116. Jung K, Rottmann S, Ellrich J. Long-term depression of spinal nociception and pain in man: Influence of varying …. *European Journal of Pain*. 2009. Available at: http://scholar.google.co.uk/scholar?hl=en&q=Digitimer+DS7A&as_sdt=2001&as_ylo=2008&as_vis=1#82.

117. Kaaij N van der, Maillou P. Reproducible effects of subjectively assessed muscle fatigue on an inhibitory jaw reflex in …. *Archives of Oral Biology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0003996909001502.

118. Kalisch R, Holt B, Petrovic P, Martino BD. The NMDA Agonist D-Cycloserine Facilitates Fear Memory Consolidation in Humans. *Cerebral Cortex*. 2009. Available at:

http://cercor.oxfordjournals.org/cgi/content/abstract/19/1/187.

119. Kier WM, Curtin NA. Fast muscle in squid (Loligo pealei): contractile properties of a specialized muscle fibre type. *Journal of Experimental Biology*. 2002;205(Pt 13):1907-1916. Available at: file://N:\Docs\Company\Papers\DS7\00077 Kier_2005.pdf .

120. Klede M, Handwerker HO, Schmelz M. Central origin of secondary mechanical hyperalgesia. *J.Neurophysiol.* 2003;90(1):353-359. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12843313&dopt=Citation .

121. Klein CS, Rice CL, Marsh GD. Normalized force, activation, and coactivation in the arm muscles of young and old men. *J.Appl.Physiol*. 2001;91(3):1341-1349. Available at: file://N:\Docs\Company\Papers\DS7\00082 Klein_2001.pdf .

122. Klein T, Magerl W, Treede RD. Perceptual Correlate of Nociceptive Long-Term Potentiation (LTP) in Humans Shares the Time Course of Early-LTP. *Journal of Neurophysiology*. 2006;96(6):3551-3555. Available at: http://jn.physiology.org/cgi/content/abstract/96/6/3551.

123. Klein T, Stahn S, Magerl W, Treede R-D. The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation. *Pain*. 2008;139:507-519. Available at: http://www.ncbi.nlm.nih.gov/pubmed/18602755.

124. Klumpers F, Gerven J van, Prinssen E. Method development studies for repeatedly measuring anxiolytic drug effects in healthy …. *Journal of Psychopharmacology*. 2009. Available at: http://jop.sagepub.com/cgi/rapidpdf/0269881109103115v1.pdf.

125. Knikou M, Angeli C, Ferreira C. Flexion reflex modulation during stepping in human spinal cord injury. *Experimental Brain Research*. 2009. Available at: http://www.springerlink.com/index/GW637147U8V7330U.pdf.

126. Knikou M, Rymer WZ. Hip angle induced modulation of H reflex amplitude, latency and duration in spinal cord injured humans. *Clin.Neurophysiol.* 2002;113(11):1698-1708. Available at: file://N:\Docs\Company\Papers\DS7\00281 Knikou 2002.pdf .

127. Knikou M, Rymer Z. Effects of changes in hip joint angle on H-reflex excitability in humans. *Exp.Brain Res.* 2002;143(2):149-159. Available at: file://N:\Docs\Company\Papers\DS7\00078 Knikou_2002.pdf .

128. Kooistra RD, Ruiter CJ de, Haan a de. Muscle activation and blood flow do not explain the muscle length-dependent variation in quadriceps isometric endurance. *Journal of applied physiology (Bethesda, Md. : 1985)*. 2005;98(3):810-6. Available at: http://www.ncbi.nlm.nih.gov/pubmed/15489262.

129. Kotecha R, Xiang J, Wang Y, Huo X. Time, frequency and volumetric differences of high-frequency neuromagnetic oscillation …. *International Journal of Psychophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0167876008008386.

130. Kourtis D, Seiss E, Praamstra P. Movement-related changes in cortical excitability: A steady-state SEP approach. *Brain Research*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S000689930802338X.

131. Kumari V, Das M, Taylor P, Barkataki I. Neural and behavioural responses to threat in men with a history of serious violence and …. *Schizophrenia Research*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0920996409000309.

132. Lagerquist O, Walsh L, Blouin J. Effect of a peripheral nerve block on torque produced by

repetitive electrical stimulation. *Journal of Applied Physiology*. 2009. Available at: http://jap.physiology.org/cgi/content/abstract/107/1/161.

133. Lang E, Kaltenhauser M, Neundorfer B, Seidler S. Hyperexcitability of the primary somatosensory cortex in migraine--a magnetoencephalographic study. *Brain*. 2004;127(11):2459-2469. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/127/11/2459.

134. Lang S, Kroll A, Lipinski S, Wessa M. Context conditioning and extinction in humans: differential contribution of the hippocampus, …. *The European Journal of Neuroscience*. 2009. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2695154.

135. Laudani L, Wood L, Casabona A, Giuffrida R. Effects of repeated ankle plantar-flexions on H-reflex and body sway during standing. *Journal of Electromyography and Kinesiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641107001071.

136. Lee M, Gandevia S, Carroll T. Unilateral strength training increases voluntary activation of the opposite untrained limb. *Clinical Neurophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245709000297.

137. Leong G, Gorrie C, Ng K, Rutkowski S. Electrical Perceptual Threshold Testing: A Validation Study. *The Journal of Spinal Cord Medicine*. 2009. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2678285.

138. Lepers R, Maffiuletti NA, Rochette L, Brugniaux J, Millet GY. Neuromuscular fatigue during a long-duration cycling exercise. *Journal of Applied Physiology*. 2002;92(4):1487-1493. Available at: http://jap.physiology.org/cgi/content/abstract/92/4/1487.

139. Lewis G, McNair P. Muscle inhibition following tendon stimulation is reduced in chronic stroke. *Clinical Neurophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S138824570900460X.

140. Lim J, Gorman RB, Saboisky JP, Gandevia SC, Butler JE. Optimal electrode placement for non-invasive electrical stimulation of human abdominal muscles. *Journal of Applied Physiology*. 2006:865. Available at: http://jap.physiology.org/cgi/content/abstract/00865.2006v1.

141. Lissek S, Wilimzig C, Stude P, Pleger B. Immobilization impairs tactile perception and shrinks somatosensory cortical maps. *Current Biology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0960982209009245.

142. Lobbezoo F, Sowman P, Türker K. Modulation of human exteroceptive jaw reflexes during simulated mastication. *Clinical Neurophysiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245708012480.

143. Londen A van, Herwegh M, Zee C van der. The effect of surface electric stimulation of the gluteal muscles on the interface pressure in …. *Archives of physical medicine and rehabilitation*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0003999308004309.

144. Lorenzano C, Priori MD A, Curra A, et al. Impaired EMG inhibition elicited by tendon stimulation in dystonia. *Neurology*. 2000;55(12):1789-1793. Available at: http://www.neurology.org/cgi/content/abstract/55/12/1789.

145. Luginbuhl M, Rufenacht M, Korhonen I, et al. Stimulation induced variability of pulse plethysmography does not discriminate responsiveness to intubation. *British Journal of Anaesthesia*. 2006;96(3):323-329. Available at: http://bja.oxfordjournals.org/cgi/content/abstract/96/3/323.

146. Lundbye-Jensen J, Nielsen J. Central nervous adaptations following 1 wk of wrist and hand immobilization. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/105/1/139.

147. Lundbye-Jensen J, Nielsen J. Immobilization induces changes in presynaptic control of group Ia afferents in healthy …. *The Journal of Physiology*. 2008. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2652189.

148. Lyons M, Cadden SW, Baxendale RH, Yemm R. TWITCH INTERPOLATION IN THE ASSESSMENT OF MAXIMUM FORCE-GENERATING CAPACITY OF THE JAW-CLOSING MUSCLES IN MAN. *Archs oral Biol.* 1996;41(12):1161-1168.

149. Maffiuletti NA, Pensini M, Martin A. Activation of human plantar flexor muscles increases after electromyostimulation training. *Journal of Applied Physiology*. 2002;92(4):1383-1392. Available at: http://jap.physiology.org/cgi/content/abstract/92/4/1383.

150. Magistris MR, Rosler KM, Truffert A, Landis T, Hess CW. A clinical study of motor evoked potentials using a triple stimulation technique. *Brain*. 1999;122 (Pt 2(0006-8950 (Print) LA - eng PT - Journal Article SB - AIM SB - IM):265-279. Available at: PM:10071055.

151. Manto MU, Pandolfo M, Moore J. Bilateral High-Frequency Synchronous Discharges: A New Form of Tremor in Humans. *Archives of Neurology*. 2003;60(3):416-422. Available at: http://archneur.ama-assn.org/cgi/content/abstract/60/3/416.

152. Martin PG, Marino FE, Rattey J, Kay D, Cannon J. Reduced voluntary activation of human skeletal muscle during shortening and lengthening contractions in whole body hyperthermia. *Experimental Physiology*. 2005;90(2):225-236. Available at: http://ep.physoc.org/cgi/content/abstract/90/2/225.

153. Martin PG, Smith JL, Butler JE, Gandevia SC, Taylor JL. Fatigue-Sensitive Afferents Inhibit Extensor but Not Flexor Motoneurons in Humans. *Journal of Neuroscience*. 2006;26(18):4796-4802. Available at: http://www.jneurosci.org/cgi/content/abstract/26/18/4796.

154. Martin V, Millet GY, Martin A, Deley G, Lattier G. Assessment of low-frequency fatigue with two methods of electrical stimulation. *Journal of Applied Physiology*. 2004;97(5):1923-1929. Available at: http://jap.physiology.org/cgi/content/abstract/97/5/1923.

155. Martins A, Ring C, McIntyre D, Edwards L. Effects of unpredictable stimulation on pain and nociception across the cardiac cycle. *Pain*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395909004643.

156. McConnell AK, Lomax M. The influence of inspiratory muscle work history and specific inspiratory muscle training upon human limb muscle fatigue. *Journal of Physiology*. 2006;577(1):445-457. Available at: http://jp.physoc.org/cgi/content/abstract/577/1/445.

157. McIntyre D, Kavussanu M, Ring C. Effects of arterial and cardiopulmonary baroreceptor activation on the upper limb …. *Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395907006045.

158. McKenzie DK, Allen GM, Butler JE, Gandevia SC. Task failure with lack of diaphragm fatigue during inspiratory resistive loading in human subjects. *Journal of Applied Physiology*. 1997;82(6):2011-2019. Available at: http://jap.physiology.org/cgi/content/abstract/82/6/2011.

159. Meyers BM, Cafarelli E. Caffeine increases time to fatigue by maintaining force and not by altering firing rates during submaximal isometric contractions. *Journal of Applied Physiology*. 2005;99(3):1056-1063. Available at: http://jap.physiology.org/cgi/content/abstract/99/3/1056.

160. Morrison S, Sleivert G, Neary J. Prefrontal cortex oxygenation is preserved and does not contribute to impaired …. *Applied Physiology, Nutrition, and Metabolism*. 2009. Available at: http://www.ingentaconnect.com/content/nrc/apnm/2009/00000034/00000001/art00009.

161. Morse CI, Thom JM, Reeves ND, Birch KM, Narici MV. In vivo physiological cross-sectional area and specific force are reduced in the gastrocnemius of elderly men. *Journal of Applied Physiology*. 2005;99(3):1050-1055. Available at: http://jap.physiology.org/cgi/content/abstract/99/3/1050.

162. Mouraux A, Iannetti G. Nociceptive laser-evoked brain potentials do not reflect nociceptive-specific neural activity. *Journal of Neurophysiology*. 2009. Available at: http://jn.physiology.org/cgi/content/abstract/101/6/3258.

163. Newton M, Nosaka K, Sacco P. Relationship between force and histological changes in mouse anterior crural muscles following eccentric exercise. *Basic Applied Myology*. 2000;10(225):229. Available at: file://N:\Docs\Company\Papers\DS7\00089 Newton_2000.pdf .

164. Ni Z, Gunraj C, Nelson A. Two phases of interhemispheric inhibition between motor related cortical areas and the …. *Cerebral Cortex*. 2009. Available at: http://cercor.oxfordjournals.org/cgi/content/abstract/19/7/1654.

165. Nickolls P, Collins DF, Gorman RB, Burke D, Gandevia SC. Forces consistent with plateau-like behaviour of spinal neurons evoked in patients with spinal cord injuries. *Brain*. 2004;127(3):660-670. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/127/3/660.

166. Nordez A, Gallot T, Catheline S, Guevel A. Electromechanical delay revisited using very high frame rate ultrasound. *Journal of Applied Physiology*. 2009. Available at: http://jap.physiology.org/cgi/content/abstract/106/6/1970.

167. Norton J, Bennett D, Knash M, Murray K. Changes in sensory-evoked synaptic activation of motoneurons after spinal cord injury in …. *Brain*. 2008. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/awn050.

168. O'Reilly SC, Jones A, Muir KR, Doherty M. Quadriceps weakness in knee osteoarthritis: the effect on pain and disability. *Annals of the Rheumatic Diseases*. 1998;57(10):588-594. Available at: http://ard.bmj.com/cgi/content/abstract/57/10/588.

169. Orstavik K, Weidner C, Schmidt R, et al. Pathological C-fibres in patients with a chronic painful condition. *Brain*. 2003;126(Pt 3):567-578. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12566278&dopt=Citation .

170. Oya T, Cresswell A. Evidence for reduced efficacy of the Ia-pathway during shortening plantar flexions with …. *Experimental Brain Research*. 2008. Available at: http://www.springerlink.com/index/LXT00G6P1667U077.pdf.

171. Oya T, Hoffman B, Cresswell A. Corticospinal-evoked responses in lower limb muscles during voluntary contractions at …. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/105/5/1527.

172. Petersen NT, Butler JE, Carpenter MG, Cresswell AG. Ia-afferent input to motoneurons during shortening and lengthening muscle contractions in humans. *Journal of Applied Physiology*. 2007;102(1):144-148. Available at: http://jap.physiology.org/cgi/content/abstract/102/1/144.

173. Petersen NT, Taylor JL, Gandevia SC. The effect of electrical stimulation of the corticospinal tract on motor units of the human biceps brachii. *Journal of Physiology*. 2002;544(1):277-284.

Available at: http://jp.physoc.org/cgi/content/abstract/544/1/277.

174. Petersen-Felix S, rendt-Nielsen L, Bak P, Fischer M, Zbinden AM. Psychophysical and electrophysiological responses to experimental pain may be influenced by sedation: comparison of the effects of a hypnotic (propofol) and an analgesic (alfentanil). *British Journal of Anaesthesia*. 1996;77(2):165-171. Available at: http://bja.oxfordjournals.org/cgi/content/abstract/77/2/165.

175. Petrovic P, Kalisch R, Pessiglione M. Learning affective values for faces is expressed in amygdala and fusiform gyrus. *Social cognitive and affective neuroscience*. 2008. Available at: http://scan.oxfordjournals.org/cgi/content/abstract/nsn002v1.

176. Piitulainen H, Komi P, Linnamo V, Avela J. Sarcolemmal excitability as investigated with M-waves after eccentric exercise in humans. *Journal of Electromyography and Kinesiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641107000089.

177. Pinniger GJ, Cresswell AG. Residual force enhancement after lengthening is present during submaximal plantar flexion and dorsiflexion actions in humans. *Journal of Applied Physiology*. 2007;102(1):18-25. Available at: http://jap.physiology.org/cgi/content/abstract/102/1/18.

178. Place N, Maffiuletti NA, Ballay Y, Lepers R. Twitch potentiation is greater after a fatiguing submaximal isometric contraction performed at short vs. long quadriceps muscle length. *Journal of Applied Physiology*. 2005;98(2):429-436. Available at: http://jap.physiology.org/cgi/content/abstract/98/2/429.

179. Plaghki L, Bragard D, Bars DL, Willer JC, Godfraind JM. Facilitation of a Nociceptive Flexion Reflex in Man by Nonnoxious Radiant Heat Produced by a Laser. *Journal of Neurophysiology*. 1998;79(5):2557-2567. Available at: http://jn.physiology.org/cgi/content/abstract/79/5/2557.

180. Pleger B, Blankenburg F, Ruff C, Driver J. Reward facilitates tactile judgments and modulates hemodynamic responses in human …. *Journal of Neuroscience*. 2008. Available at: http://www.jneurosci.org/cgi/content/abstract/28/33/8161.

181. Pleger B, Blankenburg F, Bestmann S, et al. Repetitive transcranial magnetic stimulation-induced changes in sensorimotor coupling parallel improvements of somatosensation in humans. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 2006;26(7):1945-52. Available at: http://www.ncbi.nlm.nih.gov/pubmed/16481426.

182. Pleger B, Ruff CC, Blankenburg F, et al. Neural Coding of Tactile Decisions in the Human Prefrontal Cortex. *Journal of Neuroscience*. 2006;26(48):12596-12601. Available at: http://www.jneurosci.org/cgi/content/abstract/26/48/12596.

183. Power M, Fraser C, Hobson A, et al. Changes in pharyngeal corticobulbar excitability and swallowing behavior after oral stimulation. *Am.J.Physiol Gastrointest.Liver Physiol*. 2004;286(0193-1857 (Print) LA - eng PT - Clinical Trial PT - Journal Article SB - IM):G45-G50. Available at: file://N:\Docs\Company\Papers\DS7\00410 Power_2004.pdf .

184. Power ML, Hamdy S, Singh S, et al. Deglutitive laryngeal closure in aspirating stroke patients. *Journal of Neurology, Neurosurgery, and Psychiatry*. 2006:jnnp. Available at: http://jnnp.bmj.com/cgi/content/abstract/jnnp.2006.101857v1.

185. Prasartwuth O, Allen TJ, Butler JE, Gandevia SC, Taylor JL. Length-dependent changes in voluntary activation, maximum voluntary torque and twitch responses after eccentric damage in humans. *Journal of Physiology*. 2006;571(1):243-252. Available at: http://jp.physoc.org/cgi/content/abstract/571/1/243.

186. Prasartwuth O, Taylor JL, Gandevia SC. Maximal force, voluntary activation and muscle soreness after eccentric damage to human elbow flexor muscles. *Journal of Physiology*. 2005;567(1):337-348. Available at: http://jp.physoc.org/cgi/content/abstract/567/1/337.

187. Priori A, Berardelli A, Inghilleri M, et al. Electrical stimulation over muscle tendons in humans. *Neuroscience*. 1998:373-380.

188. Priori A, Berardelli A, Mercuri B, Manfredi M. Physiological effects produced by botulinum toxin: Changes in reciprocal inhibition between forearm muscles. *Brain*. 1995;118(3):801-807. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/118/3/801.

189. Querry R, Pacheco F, Annaswamy T. Synchronous stimulation and monitoring of soleus H reflex during robotic body weight- …. *Journal of rehabilitation research and development*. 2008. Available at: http://scholar.google.co.uk/scholar?hl=en&q=Digitimer+DS7A&as_sdt=2001&as_ylo=2008&as_vis=1#19.

190. Rantalainen T, Heinonen A, Komi P. Neuromuscular performance and bone structural characteristics in young healthy men and …. *European Journal of Applied Physiology*. 2008. Available at: http://www.springerlink.com/index/X4M80831T638N216.pdf.

191. Reeves ND, Maganaris CN, Narici MV. Effect of strength training on human patella tendon mechanical properties of older individuals. *Journal of Physiology*. 2003;548(3):971-981. Available at: http://jp.physoc.org/cgi/content/abstract/548/3/971.

192. Reeves ND, Narici MV, Maganaris CN. Effect of resistance training on skeletal muscle-specific force in elderly humans. *Journal of Applied Physiology*. 2004;96(3):885-892. Available at: http://jap.physiology.org/cgi/content/abstract/96/3/885.

193. Rehberg B, Baars J, Mager R, Dankert K. Effects of Sevoflurane and Propofol on the Nociceptive Withdrawal Reflex and on the H …. *Anesthesiology*. 2009. Available at: http://journals.lww.com/anesthesiology/Abstract/2009/07000/Effects_of_Sevoflurane_and_Propofol_on_the.17.aspx.

194. Ribot-Ciscar E, Butler JE, Thomas CK. Facilitation of triceps brachii muscle contraction by tendon vibration after chronic cervical spinal cord injury. *J.Appl.Physiol*. 2003;94(6):2358-2367. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12588789&dopt=Citation .

195. Ring C, Edwards L, Kavussanu M. Effects of isometric exercise on pain are mediated by blood pressure. *Biological Psychology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S030105110800029X.

196. Ring C, France C, al'Absi M, Edwards L. Effects of naltrexone on electrocutaneous pain in patients with hypertension compared to …. *Biological psychology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0301051107001664.

197. Ristić D, Spangenberg P, Ellrich J. Analgesic and antinociceptive effects of peripheral nerve neurostimulation in an advanced …. *European Journal of Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1090380107006192.

198. Ritter P, Freyer F, Curio G, Villringer A. High-frequency (600 Hz) population spikes in human EEG delineate thalamic and cortical …. *Neuroimage*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1053811908006642.

199. Roberts L, Stinear C, Lewis G. Task-dependent modulation of propriospinal inputs to human shoulder. *Journal of Neurophysiology*. 2008. Available at:

http://jn.physiology.org/cgi/content/abstract/100/4/2109.

200. Rogasch N, Dartnall T, Cirillo J. Corticomotor plasticity and learning of a ballistic thumb training task are diminished in older …. *Journal of Applied Physiology*. 2009. Available at: http://jap.physiology.org/cgi/content/abstract/00443.2009v1.

201. Rottmann S, Jung K, Ellrich J. Electrical low-frequency stimulation induces long-term depression of sensory and affective …. *European Journal of Pain*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1090380109001244.

202. Rottmann S, Jung K, Ellrich J. Electrical low-frequency stimulation induces homotopic long-term depression of …. *Clinical Neurophysiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1388245708002149.

203. Roy F, Gorassini M. Peripheral sensory activation of cortical circuits in the leg motor cortex of man. *The Journal of Physiology*. 2008. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2652180.

204. Russ DW, Kent-Braun JA. Sex differences in human skeletal muscle fatigue are eliminated under ischemic conditions. *J.Appl.Physiol*. 2003;94(6):2414-2422. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12562681&dopt=Citation .

205. RUSS D, RUGGERI R, THOMAS J. Central Activation and Force-Frequency Responses of the Lumbar Extensor Muscles. *Medicine & Science in Sports & Exercise*. 2009. Available at: http://journals.lww.com/acsm-msse/Abstract/2009/07000/Central_Activation_and_Force_Frequency_Responses.19.aspx.

206. RUSS D, TOWSE T, WIGMORE D. Contrasting influences of age and sex on muscle fatigue. *Medicine & Science in Sports & Exercise*. 2008. Available at: http://journals.lww.com/acsm-msse/Abstract/2008/02000/Contrasting_Influences_of_Age_and_Sex_on_Muscle.7.aspx.

207. RYAN E, BECK T, HERDA T, HULL H. Do practical durations of stretching alter muscle strength? A dose-response study. *Medicine & Science in Sports & Exercise*. 2008. Available at: http://journals.lww.com/acsm-msse/Abstract/2008/08000/Do_Practical_Durations_of_Stretching_Alter_Muscle.27.aspx.

208. Sarkar S, Woolf CJ, Hobson AR, Thompson DG, Aziz Q. Perceptual wind-up in the human oesophagus is enhanced by central sensitisation. *Gut*. 2006;55(7):920-925. Available at: http://gut.bmj.com/cgi/content/abstract/55/7/920.

209. Sarri M, Blankenburg F, Driver J. Neural correlates of crossmodal visual-tactile extinction and of tactile awareness revealed by fMRI in a right-hemisphere stroke patient. *Neuropsychologia*. 2006;44(12):2398-410. Available at: http://www.ncbi.nlm.nih.gov/pubmed/16765998.

210. Sauerstein K, Klede M, Hilliges M, Schmelz M. Electrically evoked neuropeptide release and neurogenic inflammation differ between rat and human skin. *Journal of Physiology*. 2000;529(3):803-810. Available at: http://jp.physoc.org/cgi/content/abstract/529/3/803.

211. Savic G, Bergström E, Frankel H, et al. Perceptual threshold to cutaneous electrical stimulation in patients with spinal cord injury. *Spinal Cord*. 2006;44(9):560–566. Available at: http://www.nature.com/sc/journal/v44/n9/abs/3101921a.html.

212. Scaglioni G, Ferri A, Minetti AE, et al. Plantar flexor activation capacity and H reflex in older adults: adaptations to strength training. *Journal of Applied Physiology*. 2002;92(6):2292-2302. Available at: http://jap.physiology.org/cgi/content/abstract/92/6/2292.

213. Scaglioni G, Narici MV, Maffiuletti NA, Pensini M, Martin A. Effect of ageing on the electrical and mechanical properties of human soleus motor units activated by the H reflex and M wave. *Journal of Physiology*. 2003;548(2):649-661. Available at: http://jp.physoc.org/cgi/content/abstract/548/2/649.

214. Schabrun S, Stinear C, Byblow W. Normalizing Motor Cortex Representations in Focal Hand Dystonia. *Cerebral Cortex*. 2008. Available at: http://cercor.oxfordjournals.org/cgi/content/abstract/bhn224.

215. Schindler-Ivens S, Brown D, Lewis G. Soleus H-reflex excitability during pedaling post-stroke. *Experimental Brain Research*. 2008. Available at: http://www.springerlink.com/index/F1632G06N1406556.pdf.

216. Schmelz M, Schmidt R, Weidner C, et al. Chemical Response Pattern of Different Classes of C-Nociceptors to Pruritogens and Algogens. *Journal of Neurophysiology*. 2003;89(5):2441-2448. Available at: http://jn.physiology.org/cgi/content/abstract/89/5/2441.

217. Schmelz M, Schmid R, Handwerker HO, Torebjork HE. Encoding of burning pain from capsaicin-treated human skin in two categories of unmyelinated nerve fibres. *Brain*. 2000;123(3):560-571. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/123/3/560.

218. Schmidt R, Schmelz M, Weidner C, Handwerker HO, Torebjork HE. Innervation territories of mechano-insensitive C nociceptors in human skin. *J.Neurophysiol.* 2002;88(4):1859-1866. Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&cmd=Retrieve&list_uids=12364512&dopt=Citation .

219. Schubert R, Blankenburg F, Lemm S, Villringer A, Curio G. Now you feel it--now you don’t: ERP correlates of somatosensory awareness. *Psychophysiology*. 2006;43(1):31-40. Available at: http://www.ncbi.nlm.nih.gov/pubmed/16629683.

220. Seiss E, Hesse CW, Drane S, et al. Proprioception-related evoked potentials: origin and sensitivity to movement parameters. *Neuroimage*. 2002;17(1053-8119 (Print) LA - eng PT - Clinical Trial PT - Journal Article SB - IM):461-468. Available at: file://N:\Docs\Company\Papers\DS7\00406 Seiss_2002.pdf .

221. Serino A, Giovagnoli G, Làdavas E. I feel what you feel if you are similar to me. *PLoS ONE*. 2009. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2654168.

222. Simoneau E, Martin A, Van Hoecke J. Muscular Performances at the Ankle Joint in Young and Elderly Men. *Journals of Gerontology Series A: Biological and Medical Sciences*. 2005;60(4):439-447. Available at: http://biomed.gerontologyjournals.org/cgi/content/abstract/60/4/439.

223. Smith IC, Newham DJ. Fatigue and functional performance of human biceps muscle following concentric or eccentric contractions. *Journal of Applied Physiology*. 2007;102(1):207-213. Available at: http://jap.physiology.org/cgi/content/abstract/102/1/207.

224. Sogaard K, Gandevia SC, Todd G, Petersen NT, Taylor JL. The effect of sustained low-intensity contractions on supraspinal fatigue in human elbow flexor muscles. *Journal of Physiology*. 2006;573(2):511-523. Available at: http://jp.physoc.org/cgi/content/abstract/573/2/511.

225. Sokolow S, Manto M, Gailly P, et al. Impaired neuromuscular transmission and skeletal muscle fiber necrosis in mice lacking Na/Ca exchanger 3. *Journal of Clinical Investigation*. 2004;113(2):265-273. Available at: http://www.jci.org/cgi/content/abstract/113/2/265.

226. Stammler T, Col RD, Seifert F, Maihöfner C. Functional imaging of sensory decline and gain induced by differential noxious stimulation. *Neuroimage*. 2008. Available at:

http://linkinghub.elsevier.com/retrieve/pii/S1053811908006861.

227. Sterling M, Hodkinson E, Pettiford C. Psychologic factors are related to some sensory pain thresholds but not nociceptive flexion …. *The Clinical Journal of Pain*. 2008. Available at: http://journals.lww.com/clinicalpain/Abstract/2008/02000/Psychologic_Factors_Are_Related_to_Some_Sensory.6.aspx.

228. Sterling M, Kenardy J. Physical and psychological aspects of whiplash: Important considerations for primary care …. *Manual Therapy*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1356689X07001701.

229. Stevens P, Bawa P. Refractoriness of sural nerve in humans. *Canadian Journal of Physiology and Pharmacology*. 2008. Available at: http://www.ingentaconnect.com/content/nrc/cjpp/2008/00000086/00000009/art00002.

230. Stinear JW, Hornby TG. Stimulation-induced changes in lower limb corticomotor excitability during treadmill walking in humans. *The Journal of physiology*. 2005;567(Pt 2):701-11. Available at: http://www.ncbi.nlm.nih.gov/pubmed/15975980.

231. Stowe A, Hughes-Zahner L, Stylianou A. Between-day reliability of upper extremity H-reflexes. *Journal of Neuroscience Methods*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0165027008000812.

232. Suetta C, Aagaard P, Magnusson SP, et al. Muscle size, neural activation and rapid force characteristics in elderly men and women - effects of unilateral long-term disuse due to hip-osteoarthritis. *Journal of Applied Physiology*. 2006:67. Available at: http://jap.physiology.org/cgi/content/abstract/00067.2006v1.

233. SUZUKI JUNI, TANAKA RYOI, YAN SHEN, et al. Assessment of Abdominal Muscle Contractility, Strength, and Fatigue. *American Journal of Respiratory and Critical Care Medicine*. 1999;159(4):1052-1060. Available at: http://ajrccm.atsjournals.org/cgi/content/abstract/159/4/1052.

234. Szubski C, Burtscher M, Loscher WN. The effects of short-term hypoxia on motor cortex excitability and neuromuscular activation. *Journal of Applied Physiology*. 2006;101(6):1673-1677. Available at: http://jap.physiology.org/cgi/content/abstract/101/6/1673.

235. Talmi D, Dayan P, Kiebel SJ, Frith CD, Dolan RJ. How humans integrate the prospects of pain and reward during choice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 2009;29(46):14617-26. Available at: http://www.jneurosci.org/cgi/content/full/29/46/14617.

236. Tamm A, Lagerquist O, Ley A, Collins D. Chronotype Influences Diurnal Variations in the Excitability of the Human Motor Cortex and …. *Journal of Biological Rhythms*. 2009. Available at: http://jbr.sagepub.com/cgi/content/abstract/24/3/211.

237. Tamura Y, Ueki Y, Lin P, Vorbach S, Mima T. Disordered plasticity in the primary somatosensory cortex in focal hand dystonia. *Brain*. 2009. Available at: http://brain.oxfordjournals.org/cgi/content/abstract/awn348.

238. Taylor J, Olsen H, Sjøgaard G, Søgaard K. Voluntary activation of trapezius measured with twitch interpolation. *Journal of Electromyography and Kinesiology*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641108000126.

239. Thomson R, Garry M, Summers J. Attentional influences on short-interval intracortical inhibition. *Clinical Neurophysiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S138824570700510X.

240. Todd G, Butler JE, Taylor JL, Gandevia SC. Hyperthermia: a failure of the motor cortex and the muscle. *Journal of Physiology*. 2005;563(2):621-631. Available at: http://jp.physoc.org/cgi/content/abstract/563/2/621.

241. Todd G, Taylor JL, Gandevia SC. Reproducible measurement of voluntary activation of human elbow flexors with motor cortical stimulation. *Journal of Applied Physiology*. 2004;97(1):236-242. Available at: http://jap.physiology.org/cgi/content/abstract/97/1/236.

242. Todd G, Taylor JL, Gandevia SC. Measurement of voluntary activation of fresh and fatigued human muscles using transcranial magnetic stimulation. *Journal of Physiology*. 2003;551(2):661-671. Available at: http://jp.physoc.org/cgi/content/abstract/551/2/661.

243. Tokuno C, Garland S, Carpenter M. Sway-dependent modulation of the triceps surae H-reflex during standing. *Journal of Applied Physiology*. 2008. Available at: http://jap.physiology.org/cgi/content/abstract/104/5/1359.

244. Udupa K, Ni Z, Gunraj C, Chen R. Interactions between short latency afferent inhibition and long interval intracortical inhibition. *Experimental Brain Research*. 2009. Available at: http://www.springerlink.com/index/85W830H400212176.pdf.

245. Vansteenwegen D, Iberico C, Vervliet B. Contextual fear induced by unpredictability in a human fear conditioning preparation is …. *Biological Psychology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0301051107001482.

246. Vervliet B, Kindt M, Vansteenwegen D. Fear generalization in humans: Impact of verbal instructions. *Behaviour Research and Therapy*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0005796709002198.

247. Vervliet B, Vansteenwegen D, Hermans D. Unpaired shocks during extinction weaken the contextual renewal of a conditioned …. *Learning and Motivation*. 2009. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0023969009000319.

248. Wang A, Mouraux A, Liang M, Iannetti G. The enhancement of the N1 wave elicited by sensory stimuli presented at very short inter- …. *PLoS ONE*. 2008. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2597742.

249. Weidner C, Schmelz M, Schmidt R, et al. Functional attributes discriminating mechano-insensitive and mechano-responsive C nociceptors in human skin. *Journal of Neuroscience*. 1999;19(22):10184-10190. Available at: file://N:\Docs\Company\Papers\DS7\00086 Weidner_1999.pdf .

250. Weidner C, Schmidt R, Schmelz M, et al. Time course of post-excitatory effects separates afferent human C fibre classes. *Journal of Physiology*. 2000;527(1):185-191. Available at: http://jp.physoc.org/cgi/content/abstract/527/1/185.

251. Weidner C, Schmidt R, Schmelz M, Torebjork HE, Handwerker HO. Action potential conduction in the terminal arborisation of nociceptive C-fibre afferents. *Journal of Physiology*. 2003;547(3):931-940. Available at: http://jp.physoc.org/cgi/content/abstract/547/3/931.

252. Weidner C, Schmelz M, Schmidt R, et al. Neural Signal Processing: The Underestimated Contribution of Peripheral Human C-Fibers. *Journal of Neuroscience*. 2002;22(15):6704-6712. Available at: http://www.jneurosci.org/cgi/content/abstract/22/15/6704.

253. Wiech K, Farias M, Kahane G, Shackel N. An fMRI study measuring analgesia enhanced by religion as a belief system. *Pain*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S0304395908004211.

254. Wynne MM, Burns JM, Eland DC, Conatser RR, Howell JN. Effect of Counterstrain on Stretch Reflexes, Hoffmann Reflexes, and Clinical Outcomes in Subjects With Plantar Fasciitis. *Journal of the American Osteopathic Association*. 2006;106(9):547-556. Available at: http://www.jaoa.org/cgi/content/abstract/106/9/547.

255. Xie J, Wang G, Yow L, Humayun M. PET Study of Light and Transcorneal Electrical Stimulation in Humans. *Investigative Ophtalmology and Visual Science*. 2009. Available at: http://abstracts.iovs.org/cgi/content/abstract/50/5/6215.

256. Zech A, Awiszus F, Pfeifer K. Longitudinal changes of neuromuscular quadriceps function after reconstruction of the …. *Current Orthopaedic Practice*. 2009. Available at: http://journals.lww.com/c-orthopaedicpractice/Abstract/2009/06000/Longitudinal_changes_of_neuromuscular_quadriceps.10.aspx.

257. Zech A, Witte K, Pfeifer K. Reliability and performance-dependent variations of muscle function variables during …. *Journal of Electromyography and Kinesiology*. 2008. Available at: http://linkinghub.elsevier.com/retrieve/pii/S1050641106001258.

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