CURRICULUM VITAE of Dr. LUIGI CATTANEO, MD,PhD

Born in MONTEVIDEO (URUGUAY) on 24/04/1974. **I**talian citizenship.
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Spoken languages: Italian (mother tongue); English, French, Spanish and Dutch.

1. Background

Education:

- 15/10/1997: Degree in Medicine and Surgery (University of Pavia)
- 20/11/2002: Specialization in Neurology (University of Parma)
- 10/03/2007: PhD in Neuroscience (University of Parma) – Supervisor: Professor Giovanni Pavesi

Work experience:

- October 2008 – August 2010: Research fellow at the University of Trento – Center for Mind/Brain Sciences.
- September 2010-December 2015: Assistant professor at Trento University; Center for Mind/Brain Sciences.
- December 2015-now: Senior Assistant professor (tenure track) at the University of Verona, Department of Neurosciences, Biomedicine and Movement.

Research Fellowships:

- 2004: Six months at the Institute of Neurology, Sobell Department of Motor Neurosciences, London (UK), as a training fellow of the Marie-Curie EU project (supervisor Prof. Roger N Lemon).
- 2007: 2 months as a visiting fellow at the Neuroimaging center of the Psychology Department at the University of California, Santa Barbara (supervisor: Prof. Scott T. Grafton)

2. Research activity:

2.1. Research interests: I have been conducting research in the field of systems physiology and cognitive neuroscience for many years. The main theme of my research is to understand the biological and physiological correlates of behavior in humans, especially regarding the control of movement. The topics of my research are: sensorimotor transformations for movements of the upper limb and face. Particular attention is given to how complex categories such as the geometry of objects, the vision of biological movement, language and numerical quantities are represented in the motor system. Recently, I directed my attention to the ability of the human brain to establish flexible sensorimotor associations, based on abstract rules. In my research activity I have never lost sight of my clinical neurologist training and I text my psychophysiological hypotheses also on groups of patients. My research activity is carried out in complete autonomy in all its phases, including the conception and execution of experiments and the interpretation of scientific data. Given my clinical background I am extremely motivated to test the theoretical models developed with my basic research in a clinical setting. I am convinced of the importance of reconciling the basic physiology with the clinical disciplines of neurosurgery, neurology, neuroradiology and clinical neurophysiology.

2.2. Research tools: I have mainly used Transcranial Magnetic Stimulation (TMS), of which I have deep knowledge. I am familiar with and have used also other methods of non-invasive brain stimulation (tDCS), the study of motion kinematics, the spectral analysis of EEG and event-related evoked potentials and structural neuroimaging (tractography) and functional (fMRI) techniques.

2.3. Active research collaborations with national and international partners:

2.4. Università degli Studi di Parma, Dipartimento di Neuroscienze, Sezione di Fisiologia. Prof. Giacomo Rizzolatti e Prof. Vittorio Gallese.

2.5. Università degli Studi di Parma, Dipartimento di Neuroscienze, Sezione di Neurologia. Prof. Giovanni Pavesi.

2.6. Université de la Mediterranée, Marseille, Mediterranean Institute for Cognitive Neuroscience: Dr. Thomas Brochier.

2.7. Università degli Studi di Bologna – Prof. Elisabetta Làdavas.

2.8. Università degli Studi di Parma, Dipartimento di Neuroscienze, Sezione di Neurologia. Prof. Luca Bonini.

2.9. Univeristà di Grenoble – Prof. Marc Sato

2.10. Arizona State Univerity – Prof. Arthur Glenberg

2.11. University of Salzburg – Dr. Guido Barchiesi.

2.12. University of Birmingham – Prof. Uta Noppeney

2.13. University of Westminster (London) – Prof. Juha Silvanto

3. <u>Meetings and Congresses.</u>

- I communicate my scientific achievements in several occasions per year at national and international scientific meetings with contributions as posters or oral communications.
- I received several ad-hoc invitations to national and international meetings:
  a) "New approaches to the study of action observation using transcranial magnetic stimulation (TMS)" presented at the ***Trieste Symposium on Perception and Cognition*** **-** October 28, 2010 in Trieste (Italy).
  b) "Transcranial Magnetic Stimulation approaches to action understanding" presented at the ***Italy-Israel Dialogue on Cognitive and Affective Neuroscience.*** November 7-8, 2011 at the Inter-disciplinary college of Herzliya, (Israel).
  c) "Motor mirroring meets motor performance" presented at the ***16th world congress of psychophysiology.*** September 13-17, 2012 in Pisa (Italy).
  d) "Early and Late Motor responses to Action Observation" presented at the meeting ***Mirror neurons: new frontiers 20 years after their discovery.*** September 2, 2012 at Erice (Italy).
  e) "Motor resonance meets motor performance" as an ***Institute of Movement Neuroscience Symposium.*** May 7, 2013 at the Sobell Department of Movement Neuroscience – UCL – London (UK).
  f) "Bottom-up and Top-down responses to action observation" Seminar at the ***Facoltà di Psicologia, Università di Bologna.*** May 30, 2013.
  g) "Motor mirroring meets motor performance" – ***Formal Donders DCC lecture.*** October 8, 2013 at the Radboud Universiteit - Nijmengen (NL).
  h) "Le basi neurali delle scelte di azione" – semiar held the ***Scuola di Dottorato di Scienze della Vita e della Salute***, University of Verona. December 17, 2014
  i) "Motor representations in the brain" seminar at the ***Interdisciplinary workshop on Practical Reasoning and Motor Representation*** at the University of Warwick (UK). June 2, 2015.
  j) Lectio magistralis at the ***National congress of the Italian Psychophysiological society,*** Novmber 20, 2015 in Lucca (Italy).
  k) "Mapping sensorimotor functions in the human premotor cortex" presented at the international neuropsychological symposium (INS), Cassis (France) 30 giugno 2018.
  l) "inhibitory set-related activity in the dorsal premotor cortex" seminar held at the Centro di Neurofisiologia Traslazionale del linguaggio e della comunicazione *IIT*@UNIFE. University of Ferrara, on June 13, 2018
  m) Organizzatore del simposio "Behaviorally-committed representation of the world in the primate brain: objects agents and space" programmato al 19th World Congress of Psychophysiology (IOP2018), Lucca, 6 settembre 2018.
  n) Organizzatore del simposio "Visual and auditory praxic environment in the primate brain: space, objects and agents" programmato al XXVI Congresso Nazionale SIPF, Torino, 15-17 Novembre 2018
  o)

4. <u>Scientific Awards:</u>

- Winner of the selection for the best poster award with the work "One's motor behavior predictably modulates the understanding of others" through adaptation of premotor visuo-motor neurons "at the Magstim TMS Summer School (Oxford 2010), Oxford UK.
- Winner of the selection for the youth symposium at the XX National Congress of the Italian Society of Psychophysiology (November 2012, Venice) with the proposal "interface between executive control and automatic behavior".
- Winner of the "Award of the Italian Society of Psychophysiology 2015 for excellent research in the field of psychophysiology" (Lucca, November 2015)

5. Competitive grants:

- October 2014 - September 2016 - "Brain mapping of the cortical representation of facial movements in patients with congenital facial palsy undergoing surgical procedures of facial animation" from the Telethon foundation. Role: Coordinator.
- September 2016 - September 2018 - "BraIn Action. A New View on Real Actions: Neural Mechanisms of Visuo-Motor Transformations". Marie Sklodowska-Curie Individual Fellowships – H2020-MSCA-IF2015. Role: supervisor
- October 2018-September 2019 – "Progettazione di un'ortesi robotica per l'arto superiore con controllo mioelettrico e indirizzata a soggetti con debolezza muscolare" – European social fund grants

6. Directive role of scientific and academic structures.

- I was responsible director and coordinator of the Neurostimulation Laboratory of the Interdepartmental Mind-Brain Center (CIMeC) of the University of Trento from 2010 to December 2015
- I was a member of the executive board (Giunta) of the Interdepartmental Mind-Brain Center (CIMeC) from September 2014 to September 2015
- I have directed a research group of mine of 1 research fellow since 2010 (post-doctoral fellows: Carola Arfeller 2010-2012 and Guido Barchiesi 2012-2016) and a variable number of PhD students. At the moment I am responsible supervisor of a Research Fellow, Simona Monaco, as part of the Marie-Sklodowska-Curie funded project "BraIn Action. A New View on Real Actions: Neural Mechanisms of Visuo-Motor Transformations "
- Member of the board of directors of the Italian Society of Psychophysiology (SIPF). November 2015-November 2017

7. Editorial activity:

- **Academic Editor** for PLOS One (since 2013)
- Member of the **Editorial Advisory Board** of the Journal of Cognitive Enhancement (since 2016)
- **Ad-hoc reviewer for:** Acta Psychologica; Annals of Clinical and Translational Neurology; Annals of Internal Medicine; Behavioral Brain Research; Brain; Brain Topography; Cerebral Cortex; Clinical Neurophysiology; Cognition; Consciousness and Cognition; Cortex; European Journal of Neurology; European Journal of Neuroscience; Frontiers in Human Neuroscience; Journal of Neurology, Neurosurgery and Psychiatry; Journal of Neurophysiology; Journal of Neuroscience; Journal of Psychiatry; JoVE - Journal of Video Experiments; Muscle and Nerve; Neuroimage; Neurology Research International; Neuropsychologia; Philosophical Transactions of the Royal Society B; PLOS One; Social Cognitive and Affective Neuroscience; Brain Stimulation

8. Membership of scientific societies: a) The Brainstem Society**; b)** Società Italiana di Neurologia (SIN)**; c)** Società Italiana di Psicofisiologia (SIPF)**;** Società Italiana di Fisiologia (SIF)

9. Reviewing activity for scientific grant agencies:

- Research Foundation Flanders (FWO) (2012)
- Marie Skłodowska-Curie actions - Research Fellowship Programme (2013)
- Manchester University; mental health and neurodegeneration research group. (2014)
- The Danish Council for Independent Research (2015).
- Italian ministry for university and research.

10. Teaching and supervising experience.

- I held courses on Clinical Neurophysiology, Behavioral Neuroscience, Neuroanatomy, Orofacial Physiology and General Physiology.
- **Student supervision:**
- 2010-2016 - board member of the PhD school in Cognitive and Brain Sciences - Language, Interaction & Computation of the University of Trento. I worked as a supervisor for 4 PhD students: Guido Barchiesi, Francesca Maule, Silvia Ubaldi and Sara Parmigiani.
- 2013-present: Supervisor of 9 Master's thesis in Psychology for students and university tutor for numerous students of the three-year degree course in Sciences and techniques of cognitive psychology
- 2017-today: member of the teaching board of the Doctoral School of "Life and Health Sciences" - neuroscience module of the University of Verona. Current supervisor of 1 PhD student.

11. Scientific production: 70 peer-reviewed publications since the year 2000. H-index=25; citations=2472 (Scopus database, May 2018). 51 publications as first or last author. 33 publications as corresponding author

PUBLICATON LIST (in chronological order):

1. Cattaneo L. Fancies and Fallacies of spatial sampling with Transcranial Magnetic Stimulation (TMS). Frontiers in Psychology, (2018) in press.
2. Cattaneo L, Veroni V, Boria S, Tassinari G, Turella L. Sex Differences in Affective Facial Reactions Are Present in Childhood. Frontiers in Integrative Neuroscience (2018) in press.
3. Depisapia, S., Barchiesi, G., Jovicich, J, Cattaneo, L. The role of medial prefrontal cortex in processing emotional self-referential information: a combined TMS/fMRI study. (2018) Brain Imaging and Behavior in press.
4. Parmigiani, S., Zattera, B., Barchiesi, G., Spatial and Temporal Characteristics of Set-Related Inhibitory and Excitatory Inputs from the Dorsal Premotor Cortex to the Ipsilateral Motor Cortex Assessed by Dual-Coil Transcranial Magnetic Stimulation (2018) Brain Topography in press.
5. Scarpazza, C., Làdavas, E., Cattaneo, L. Invisible side of emotions: somato-motor responses to affective facial displays in alexithymia (2017) Experimental Brain Research in press
6. Zuanazzi, A., Cattaneo, L. The right hemisphere is independent from the left hemisphere in allocating visuospatial attention (2017) Neuropsychologia 102,pp. 197-205
7. Mazzoni, N., Jacobs, C., Venuti, P., Silvanto, J., Cattaneo, L. State-dependent TMS reveals representation of affective body movements in the anterior intraparietal cortex (2017) Journal of Neuroscience 37(30), pp. 7231-7239
8. Papadelis, C., Arfeller, C., Erla, S., Nollo, G., Cattaneo, L., Braun, C. Inferior frontal gyrus links visual and motor cortices during a visuomotor precision grip force task (2016) Brain Research, 1650, pp. 252-266.
9. Cattaneo, L. Transcranial magnetic stimulation in the study of brain lateralization (2017) in “Lateralized brain functions” Neuromethods, Volume 122 eds. Rogers L., Vallortigara G. Springer.
10. Messina, I., Cattaneo, L., Venuti, P., de Pisapia, N., Serra, M., Esposito, G., Rigo, P., Farneti, A., Bornstein, M.H. Sex-specific automatic responses to infant cries: TMS reveals greater excitability in females than males in motor evoked potentials (2016) Frontiers in Psychology, 6 (JAN), art. no. 1909.

11. Cattaneo, L., Maule, F., Tabarelli, D., Brochier, T., Barchiesi, G. Online repetitive transcranial magnetic stimulation (TMS) to the parietal operculum disrupts haptic memory for grasping (2015) Human Brain Mapping, 36 (11), pp. 4262-4271.
12. Finocchiaro, C., Capasso, R., Cattaneo, L., Zuanazzi, A., Miceli, G. Thematic role assignment in the posterior parietal cortex: A TMS study (2015) Neuropsychologia, 77, pp. 223-232.
13. Cattaneo, L., Barchiesi, G. The auditory space in the motor system (2015) Neuroscience, 304, pp. 81-89.
14. Parmigiani, S., Barchiesi, G., Cattaneo, L. The dorsal premotor cortex exerts a powerful and specific inhibitory effect on the ipsilateral corticofacial system: a dual-coil transcranial magnetic stimulation study (2015) Experimental Brain Research, 233 (11), pp. 32533260.
15. Ubaldi, S., Barchiesi, G., Cattaneo, L. Bottom-up and top-down visuomotor responses to action observation (2015) Cerebral Cortex, 25 (4), pp. 1032-1041.
16. Barchiesi, G., Cattaneo, L. Motor resonance meets motor performance (2015) Neuropsychologia, 69, pp. 93-104.
17. Cattaneo, L. Granularity within the mirror system is not informative on action perception. Comment on "Grasping synergies: A motor-control approach to the mirror neuron mechanism" by D'Ausilio et al.
18. Maule, F., Barchiesi, G., Brochier, T., Cattaneo, L. Haptic working memory for grasping: The role of the parietal operculum (2015) Cerebral Cortex, 25 (2), pp. 528-537.
19. Cattaneo, L., Pavesi, G. The facial motor system. (2014) Neuroscience and biobehavioral reviews, 38, pp. 135-159.
20. Rizzolatti, G., Cattaneo, L., Fabbri-Destro, M., Rozzi, S. Cortical mechanisms underlying the organization of goal-directed actions and mirror neuron-based action understanding (2014) Physiological Reviews, 94 (2), pp. 655-706.
21. Cattaneo, L., Maule, F., Barchiesi, G., Rizzolatti, G. The motor system resonates to the distal goal of observed actions: Testing the inverse pliers paradigm in an ecological setting (2013) Experimental Brain Research, 231 (1), pp. 37-49.
22. Cattaneo, L. Language (2013) Handbook of Clinical Neurology, 116, pp. 681691.
23. Avanzini, P., Fabbri-Destro, M., Campi, C., Pascarella, A., Barchiesi, G., Cattaneo, L., Rizzolatti, G. Spatiotemporal dynamics in understanding hand-object interactions (2013) Proceedings of the National Academy of Sciences of the United States of America, 110 (40), pp. 15878-15885.
24. Barchiesi, G., Cattaneo, L. Early and late motor responses to action observation (2013) Social Cognitive and Affective Neuroscience, 8 (6), pp. 711-719.
25. Arfeller, C., Schwarzbach, J., Ubaldi, S., Ferrari, P., Barchiesi, G., Cattaneo, L. Whole-brain haemodynamic after-effects of 1-Hz magnetic stimulation of the posterior superior temporal cortex during action observation (2013) Brain Topography, 26 (2), pp. 278-291.
26. Perini, F., Cattaneo, L., Carrasco, M., Schwarzbach, J.V. Occipital transcranial magnetic stimulation has an activity-dependent suppressive effect (2012) Journal of Neuroscience, 32 (36), pp. 12361-12365.
27. de Pisapia, N., Sandrini, M., Braver, T.S., Cattaneo, L. Integration in working memory: A magnetic stimulation study on the role of left anterior prefrontal cortex (2012) PLoS ONE, 7 (8), art. no. e43731,
28. Barchiesi, G., Wache, S., Cattaneo, L. The frames of reference of the motorvisual aftereffect (2012) PLoS ONE, 7 (7), art. no. e40892,
29. Cattaneo, L., Fasanelli, M., Andreatta, O., Bonifati, D.M., Barchiesi, G., Caruana, F. Your actions in my cerebellum: Subclinical deficits in action observation in patients with unilateral chronic cerebellar stroke (2012) Cerebellum, 11 (1), pp. 264-271.
30. Cattaneo, L., Barchiesi, G. Transcranial magnetic mapping of the short-latency modulations of corticospinal activity from the ipsilateral hemisphere during rest (2011) Frontiers in Neural Circuits, 5 (OCT), art. no. 14,
31. Cattaneo, L., Barchiesi, G., Tabarelli, D., Arfeller, C., Sato, M., Glenberg, A.M. One's motor performance predictably modulates the understanding of others' actions through adaptation of premotor visuo-motor neurons (2011) Social Cognitive and Affective Neuroscience, 6 (3), art. no. nsq099, pp. 301-310.
32. Sato, M., Grabski, K., Glenberg, A.M., Brisebois, A., Basirat, A., Ménard, L., Cattaneo, L. Articulatory bias in speech categorization: Evidence from use-induced motor plasticity (2011) Cortex, 47 (8), pp. 1001-1003.

33. Cattaneo, L. Tuning of ventral premotor cortex neurons to distinct observed grasp types: A TMS-priming study (2010) Experimental Brain Research, 207 (3-4), pp. 165-172.
34. Cattaneo, L., Sandrini, M., Schwarzbach, J. State-dependent TMS reveals a hierarchical representation of observed acts in the temporal, parietal, and premotor cortices (2010) Cerebral Cortex, 20 (9), pp. 2252-2258.
35. Sato, M., Buccino, G., Gentilucci, M., Cattaneo, L. On the tip of the tongue: Modulation of the primary motor cortex during audiovisual speech perception (2010) Speech Communication, 52 (6), pp. 533-541.
36. Cattaneo, L., Pavesi, G. Recording the trigemino-facial inhibitory reflex:
37. Technique and normal findings (2010) Journal of Clinical Neurophysiology, 27 (2), pp. 126-129.
38. Wood, R., Gallese, V., Cattaneo, L. Visuotactile empathy within the primary somatosensory cortex revealed by short-latency afferent inhibition (2010) Neuroscience Letters, 473 (1), pp. 28-31.
39. Cattaneo, L., Saccani, E., De Giampaulis, P., Crisi, G., Pavesi, G. Central facial palsy revisited: A clinical-radiological study (2010) Annals of Neurology, 68 (3), pp. 404408.
40. Glenberg, A.M., Lopez-Mobilia, G., McBeath, M., Toma, M., Sato, M., Cattaneo, L. Knowing beans: Human mirror mechanisms revealed through motor adaptation (2010) Frontiers in Human Neuroscience, 4.
41. Buccino, G., Sato, M., Cattaneo, L., Rodà, F., Riggio, L. Broken affordances, broken objects: A TMS study (2009) Neuropsychologia, 47 (14), pp. 3074-3078.
42. Cattaneo, L., Cucurachi, L., Pavesi, G. Isolated toe paralysis caused by a small cortical infarction (2009) Journal of Neurology, Neurosurgery and Psychiatry, 80 (10), p. 1142.
43. Cattaneo, L., Caruana, F., Jezzini, A., Rizzolatti, G. Representation of goal and movements without overt motor behavior in the human motor cortex: A transcranial magnetic stimulation study (2009) Journal of Neuroscience, 29 (36), pp. 11134-11138.
44. Cucurachi, L., Cattaneo, L., Gemignani, F., Pavesi, G. Late onset generalized myasthenia gravis presenting with facial weakness and bulbar signs without extraocular muscle involvement (2009) Neurological Sciences, 30 (4), pp. 343-344.
45. Montepietra, S., Cattaneo, L., Granella, F., Maurizio, A., Sasso, E., Pavesi, G., Bortone, E. Myocardial infarction following convulsive and nonconvulsive seizures (2009) Seizure, 18 (5), pp. 379-381.
46. Boria, S., Fabbri-Destro, M., Cattaneo, L., Sparaci, L., Sinigaglia, C., Santelli, E., Cossu, G., Rizzolatti, G. Intention understanding in autism **12.2.39.** (2009) PLoS ONE, 4 (5), art. no. e5596.
47. Cattaneo, L., Rizzolatti, G. The mirror neuron system (2009) Archives of Neurology, 66 (5), pp. 557-560.
48. Rizzolatti, G., Fabbri-Destro, M., Cattaneo, L. Mirror neurons and their clinical relevance (2009) Nature Clinical Practice Neurology, 5 (1), pp. 24-34.
49. Fabbri-Destro, M., Cattaneo, L., Boria, S., Rizzolatti, G. Planning actions in autism (2009) Experimental Brain Research, 192 (3), pp. 521-525.
50. Cucurachi, L., Immovilli, P., Granella, F., Pavesi, G., Cattaneo, L. Short-latency afferent inhibition predicts verbal memory performance in patients with multiple sclerosis (2008) Journal of Neurology, 255 (12), pp. 1949-1956.
51. Glenberg, A.M., Sato, M., Cattaneo, L. Use-induced motor plasticity affects the processing of abstract and concrete language (2008) Current Biology, 18 (7),
52. Glenberg, A.M., Sato, M., Cattaneo, L., Riggio, L., Palumbo, D., Buccino, G. Processing abstract language modulates motor system activity (2008) Quarterly Journal of Experimental Psychology, 61 (6), pp. 905-919.
53. Cattaneo, L., Fabbri-Destro, M., Boria, S., Pieraccini, C., Monti, A., Cossu, G., Rizzolatti, G. Impairment of actions chains in autism and its possible role in intention understanding (2007) Proceedings of the National Academy of Sciences of the United States of America, 104 (45), pp. 17825-17830.
54. Cattaneo, L., Chierici, E., Pavone, L., Grasselli, C., Manganelli, P., Buzio, C., Pavesi, G. Peripheral neuropathy in Wegener's granulomatosis, Churg-Strauss syndrome and microscopic polyangiitis (2007) Journal of Neurology, Neurosurgery and Psychiatry, 78 (10), pp. 1119-1123.
55. Prabhu, G., Voss, M., Brochier, T., Cattaneo, L., Haggard, P., Lemon, R. Excitability of human motor cortex inputs prior to grasp (2007) Journal of Physiology, 581 (1), pp. 189-201.
56. Cattaneo, L., Macaluso, G.M., Pavesi, G. Inhibitory reflexes in human perioral facial muscles: A single-motor unit study (2007) Clinical Neurophysiology, 118 (4), pp. 794-801.

57. Sato, M., Cattaneo, L., Rizzolatti, G., Gallese, V. Numbers within our hands: Modulation of corticospinal excitability of hand muscles during numerical judgment (2007) Journal of Cognitive Neuroscience, 19 (4), pp. 684-693.
58. Cattaneo, L., Cucurachi, L., Pavesi, G. Concentric needle recording of neuromuscular jitter in the temporalis muscle (2007) Neurophysiologie Clinique, 37 (1), pp. 50-51.
59. Cattaneo, L., Chierici, E., Cucurachi, L., Cobelli, R., Pavesi, G. Posterior insular stroke causing selective loss of contralateral nonpainful thermal sensation (2007) Neurology, 68 (3), p. 237.
60. Cattaneo, L., Chierici, E., Bianchi, B., Sesenna, E., Pavesi, G. The localization of facial motor impairment in sporadic Möbius syndrome (2006) Neurology, 66 (12), pp. 1907-1912
61. Cattaneo, L., Cucurachi, L., Chierici, E., Pavesi, G. Pathological yawning as a presenting symptom of brain stem ischaemia in two patients (2006) Journal of Neurology, Neurosurgery and Psychiatry, 77 (1), pp. 98-100.
62. Gentilucci, M., Cattaneo, L. Automatic audiovisual integration in speech perception (2005) Experimental Brain Research, 167 (1), pp. 66-75.
63. Cattaneo, L., Chierici, E., Pavesi, G. Bell's palsy-induced blepharospasm relieved by passive eyelid closure and responsive to apomorphine (2005) Clinical Neurophysiology, 116 (10), pp. 2348-2353
64. Aziz-Zadeh, L., Cattaneo, L., Rochat, M., Rizzolatti, G. Covert speech arrest induced by rTMS over both motor and nonmotor left hemisphere frontal sites (2005) Journal of Cognitive Neuroscience, 17 (6), pp. 928-938.
65. Cattaneo, L., Voss, M., Brochier, T., Prabhu, G., Wolpert, D.M., Lemon, R.N. A cortico-cortical mechanism mediating object-driven grasp in humans (2005) Proceedings of the National Academy of Sciences of the United States of America, 102 (3), pp. 898-903
66. Pavesi, G., Cattaneo, L., Chierici, E., Mancia, D. Trigemino-facial inhibitory reflexes in idiopathic hemifacial spasm (2003) Movement Disorders, 18 (5), pp. 587-592.
67. Pavesi, G., Cattaneo, L., Marbini, A., Gemignani, F., Mancia, D. Long-term efficacy of interferon-alpha in chronic inflammatory demyelinating polyneuropathy (2002) Journal of Neurology, 249 (6), pp. 777-779.
68. Cattaneo, L., Pavesi, G., Mancia, D. Sural nerve abnormalities in sacral perineural (Tarlov) cysts [4] (2001) Journal of Neurology, 248 (7), pp. 623-624.
69. Pavesi, G., Cattaneo, L., Tinchelli, S., Mancia, D. Masseteric repetitive nerve stimulation in the diagnosis of myasthenia gravis (2001) Clinical Neurophysiology, 112 (6), pp. 1064-1069.
70. Pavesi, G., Macaluso, G.M., Marchetti, P., Cattaneo, L., Tinchelli, S., De Laat, A., Mancia, D. Trigemino-facial reflex inhibitory responses in some lower facial muscles (2000) Muscle and Nerve, 23 (6), pp. 939-945.