

Top 25 Hottest Articles

Clinical Neurophysiology

April to June 2011



1. 

Brain-computer interfaces for communication and control • Review article
Clinical Neurophysiology, Volume 113, Issue 6, June 2002, Pages 767-791
Wolpaw, J.R.; Birbaumer, N.; McFarland, D.J.; Pfurtscheller, G.; Vaughan, T.M.
[Cited by SciVerse Scopus \(1340\)](#)

2. 

Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research • Review article
Clinical Neurophysiology, Volume 120, Issue 12, December 2009, Pages 2008-2039
The Safety of TMS Consensus Group; Rossi, S.; Hallett, M.; Rossini, P.M.; Pascual-Leone, A.
[Cited by SciVerse Scopus \(116\)](#)

3. 

Event-related EEG/MEG synchronization and desynchronization: basic principles • Review article
Clinical Neurophysiology, Volume 110, Issue 11, November 1999, Pages 1842-1857
Pfurtscheller, G.; Lopes da Silva, F.H.
[Cited by SciVerse Scopus \(1111\)](#)

4. 

Updating P300: An integrative theory of P3a and P3b • Review article
Clinical Neurophysiology, Volume 118, Issue 10, October 2007, Pages 2128-2148
Polich, J.
[Cited by SciVerse Scopus \(403\)](#)

5. 

Neurofeedback in children with ADHD: Specific event-related potential findings of a randomized controlled trial
Clinical Neurophysiology, Volume 122, Issue 5, May 2011, Pages 942-950
Wangler, S.; Gevensleben, H.; Albrecht, B.; Studer, P.; Rothenberger, A.; Moll, G.H.; Heinrich, H.
[Cited by SciVerse Scopus \(4\)](#)

6. 

Validation of the Karolinska sleepiness scale against performance and EEG variables
Clinical Neurophysiology, Volume 117, Issue 7, July 2006, Pages 1574-1581
Kaida, K.; Takahashi, M.; Akerstedt, T.; Nakata, A.; Otsuka, Y.; Haratani, T.; Fukasawa, K.
[Cited by SciVerse Scopus \(42\)](#)

7. 

Event-related potentials in clinical research: Guidelines for eliciting, recording, and quantifying mismatch negativity, P300, and N400 • Review article
Clinical Neurophysiology, Volume 120, Issue 11, November 2009, Pages 1883-1908
Duncan, C.C.; Barry, R.J.; Connolly, J.F.; Fischer, C.; Michie, P.T.; Naatanen, R.; Polich, J.; Reinvang, I.; Van

Petten, C.

 Cited by SciVerse Scopus (31)

8. 

The influence of Mozart's music on brain activity in the process of learning

Clinical Neurophysiology, Volume 117, Issue 12, December 2006, Pages 2703-2714

Jausovec, N.; Jausovec, K.; Gerlic, I.

 Cited by SciVerse Scopus (16)

9. 

Current status on electrodiagnostic standards and guidelines in neuromuscular disorders • Review article

Clinical Neurophysiology, Volume 122, Issue 3, March 2011, Pages 440-455

Fuglsang-Frederiksen, A.; Pugdahl, K.

 Cited by SciVerse Scopus (1)

10. 

Nonlinear dynamical analysis of EEG and MEG: Review of an emerging field • Review article

Clinical Neurophysiology, Volume 116, Issue 10, October 2005, Pages 2266-2301

Stam, C.J.

 Cited by SciVerse Scopus (233)

11. 

The use of conventional EEG for the assessment of hypoxic ischaemic encephalopathy in the newborn: A review • Review article

Clinical Neurophysiology, Volume 122, Issue 7, July 2011, Pages 1284-1294

Walsh, B.H.; Murray, D.M.; Boylan, G.B.

12. 

Electrodiagnostic criteria for diagnosis of ALS • Review article

Clinical Neurophysiology, Volume 119, Issue 3, March 2008, Pages 497-503

de Carvalho, M.; Dengler, R.; Eisen, A.; England, J.D.; Kaji, R.; Kimura, J.; Mills, K.; Mitsumoto, H.; Nodera, H.; Shefner, J.; Swash, M.

 Cited by SciVerse Scopus (69)

13. 

The mismatch negativity (MMN) in basic research of central auditory processing: A review • Review article

Clinical Neurophysiology, Volume 118, Issue 12, December 2007, Pages 2544-2590

Naatanen, R.; Paavilainen, P.; Rinne, T.; Alho, K.

 Cited by SciVerse Scopus (226)

14. 

Vestibular evoked myogenic potentials: Past, present and future • Review article

Clinical Neurophysiology, Volume 121, Issue 5, May 2010, Pages 636-651

Rosengren, S.M.; Welgampola, M.S.; Colebatch, J.G.

 Cited by SciVerse Scopus (24)

15. 

Clinical neurophysiology of visual and auditory processing in dyslexia: A review • Review article

Clinical Neurophysiology, Volume 121, Issue 11, November 2010, Pages 1794-1809

Schulte-Korne, G.; Bruder, J.

 Cited by SciVerse Scopus (6)

16. 

Waiting to perceive: Reward or punishment? • Review article

Clinical Neurophysiology, Volume 122, Issue 5, May 2011, Pages 858-868

Brunia, C.H.M.; Hackley, S.A.; van Boxtel, G.J.M.; Kotani, Y.; Ohgami, Y.

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17.  **Evaluation and management of peripheral nerve injury** • Review article
Clinical Neurophysiology, Volume 119, Issue 9, September 2008, Pages 1951-1965
Campbell, W.W.
[Cited by SciVerse Scopus \(27\)](#)
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18.  **Peripheral electrical stimulation to induce cortical plasticity: A systematic review of stimulus parameters** • Review article
Clinical Neurophysiology, Volume 122, Issue 3, March 2011, Pages 456-463
Chipchase, L.S.; Schabrun, S.M.; Hodges, P.W.
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19.  **EEG source imaging** • Review article
Clinical Neurophysiology, Volume 115, Issue 10, October 2004, Pages 2195-2222
Michel, C.M.; Murray, M.M.; Lantz, G.; Gonzalez, S.; Spinelli, L.; Grave de Peralta, R.
[Cited by SciVerse Scopus \(366\)](#)
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20.  **Transcranial DC stimulation (tDCS): A tool for double-blind sham-controlled clinical studies in brain stimulation**
Clinical Neurophysiology, Volume 117, Issue 4, April 2006, Pages 845-850
Gandiga, P.C.; Hummel, F.C.; Cohen, L.G.
[Cited by SciVerse Scopus \(133\)](#)
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21.  **EEG and MEG in mesial temporal lobe epilepsy: Where do the spikes really come from?**
Clinical Neurophysiology, Volume 122, Issue 7, July 2011, Pages 1295-1313
Wennberg, R.; Valiante, T.; Cheyne, D.
[Cited by SciVerse Scopus \(1\)](#)
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22.  **The clinical diagnostic utility of transcranial magnetic stimulation: Report of an IFCN committee** • Review article
Clinical Neurophysiology, Volume 119, Issue 3, March 2008, Pages 504-532
Chen, R.; Cros, D.; Curra, A.; Di Lazzaro, V.; Lefaucheur, J.P.; Magistris, M.R.; Mills, K.; Rosler, K.M.; Triggs, W.J.; Ugawa, Y.; Ziemann, U.
[Cited by SciVerse Scopus \(76\)](#)
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23.  **Determination of awareness in patients with severe brain injury using EEG power spectral analysis**
Clinical Neurophysiology
Goldfine, A.M.; Victor, J.D.; Conte, M.M.; Bardin, J.C.; Schiff, N.D.
-
24.  **Fatigue in multiple sclerosis: Mechanisms and management** • Review article
Clinical Neurophysiology, Volume 121, Issue 6, June 2010, Pages 809-817
Vucic, S.; Burke, D.; Kiernan, M.C.
[Cited by SciVerse Scopus \(9\)](#)
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25.  **The application of graph theoretical analysis to complex networks in the brain** • Review article
Clinical Neurophysiology, Volume 118, Issue 11, November 2007, Pages 2317-2331
Reijneveld, J.C.; Ponten, S.C.; Berendse, H.W.; Stam, C.J.
[Cited by SciVerse Scopus \(66\)](#)