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Neuroengineering
Brain Machine Interface
Prosthetics and Robotics
Medical Devices
Biomedical Signal Processing

	All	Since 2014
Citations	26657	11939
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TITLE	CITED BY	YEAR
Biomedical engineering handbook JD Bronzino CRC press	2149	1999
Cartographies of struggle CT Mohanty Indiana University Press	1205	1991
Applications of adaptive filtering to ECG analysis: noise cancellation and arrhythmia detection NV Thakor, YS Zhu IEEE transactions on biomedical engineering 38 (8), 785-794	905	1991
Cellular effects of deep brain stimulation: model-based analysis of activation and inhibition CC McIntyre, WM Grill, DL Sherman, NV Thakor Journal of neurophysiology 91 (4), 1457-1469	704	2004
Electric field and stimulating influence generated by deep brain stimulation of the subthalamic nucleus CC McIntyre, S Mori, DL Sherman, NV Thakor, JL Vitek Clinical neurophysiology 115 (3), 589-595	492	2004
Estimation of QRS complex power spectra for design of a QRS filter NV Thakor, JG Webster, WJ Tompkins IEEE Transactions on biomedical engineering, 702-706	480	1984
Implantable myocardial ischemia detection, indication and action technology A Natarajan, NV Thakor US Patent 6,501,983	388	2002
Detecting ventricular tachycardia and fibrillation by complexity measure XS Zhang, YS Zhu, NV Thakor, ZZ Wang IEEE Transactions on biomedical engineering 46 (5), 548-555	377	1999
Advances in quantitative electroencephalogram analysis methods NV Thakor, S Tong Annu. Rev. Biomed. Eng. 6, 453-495	292	2004
Parkin facilitates the elimination of expanded polyglutamine proteins and leads to preservation of proteasome function YC Tsai, PS Fishman, NV Thakor, GA Oyler Journal of Biological Chemistry 278 (24), 22044-22055	292	2003

TITLE	CITED BY	YEAR
Power harvesting and telemetry in CMOS for implanted devices C Sauer, M Stanacevic, G Cauwenberghs, N Thakor IEEE Transactions on Circuits and Systems I: Regular Papers 52 (12), 2605-2613	285	2005
New algorithm for QT interval analysis in 24-hour Holter ECG: performance and applications P Laguna, NV Thakor, P Caminal, R Jane, HR Yoon, A Bayes de Luna, ... Medical and Biological Engineering and Computing 28 (1), 67-73	281	1990
Decoding of individuated finger movements using surface electromyography FVG Tenore, A Ramos, A Fahmy, S Acharya, R Etienne-Cummings, ... IEEE transactions on biomedical engineering 56 (5), 1427-1434	270	2008
Ventricular tachycardia and fibrillation detection by a sequential hypothesis testing algorithm NV Thakor, YS Zhu, KY Pan IEEE Transactions on Biomedical Engineering 37 (9), 837-843	270	1990
Adaptive cancelling of physiological tremor for improved precision in microsurgery CN Riviere, RS Rader, NV Thakor IEEE Transactions on Biomedical Engineering 45 (7), 839-846	263	1998
Determination of current density distributions generated by electrical stimulation of the human cerebral cortex SS Nathan, SR Sinha, B Gordon, RP Lesser, NV Thakor Electroencephalography and clinical neurophysiology 86 (3), 183-192	229	1993
Spectral analysis methods for neurological signals J Muthuswamy, NV Thakor Journal of neuroscience methods 83 (1), 1-14	215	1998
Adaptive Fourier estimation of time-varying evoked potentials CA Vaz, NV Thakor IEEE Transactions on Biomedical Engineering 36 (4), 448-455	189	1989
Quantitative EEG analysis methods and clinical applications S Tong, NV Thakor Artech House	187	2009
Multiresolution wavelet analysis of evoked potentials NV Thakor, G Xin-Rong, S Yi-Chun, DF Hanley IEEE transactions on biomedical engineering 40 (11), 1085-1094	187	1993