

List of Publications

Comparison of Polysomnography, Single-Channel Electroencephalogram, Fitbit, and Sleep Logs in Patients With Psychiatric Disorders: Cross-Sectional Study

Keita Kawai; Kunihiro Iwamoto; Seiko Miyata; Ipppei Okada; Hiroshige Fujishiro; Akiko Noda; Kazuyuki Nakagome; Norio Ozaki; Masashi Ikeda
Published on 12/13/2023 in Vol 25 (2023), DOI: <https://doi.org/10.2196/preprints.51336>
Nagoya University Graduate School of Medicine, Nagoya, Japan
Chubu University Graduate School of Life and Health Sciences, Kasugai, Japan
National Center of Neurology and Psychiatry, Kodaira, Japan

Behavioral Treatment of Insomnia with Concurrent Nocturia

Shachi Tyagi, Becky Clarkson, Subashan Perera, Kandy Newell, Neil Resnick, Daniel Buysse
APSS Abstract 0344, 2023
University of Pittsburgh Medical Center

Cardiopulmonary Coupling as An Alternative to Classic Home Sleep Apnea Testing: Head to Head Assessment

Jerald Simmons, Robert Thomas, Keri Gregory, Cole Feuquay, Chris Mann
APSS Abstract 0457, 2023
Comprehensive Sleep Medicine Associates
Beth Israel Deaconess Medical Center

Individuals with Persistent Low Back Pain Have Less Time in Deep Sleep Stage Than Asymptomatic Controls

Xuewen Wang, Erin Kishman, John Gilliam, Jennifer Vendemia, Sheri Silfies
APSS Abstract 0845, 2023
University of South Carolina

The Effects of Acute Sleep Curtailment on Salt Taste Measures and Relationships with Energy-Corrected Sodium Intake: A Randomized Cross-Over Trial with Methodology Validation

Chen Du, Russell Keast, Sze-Yen Tan and Robin M. Tucker
Int J Environ Res Public Health, 2023 Feb 25;20(5):4140. <https://pubmed.ncbi.nlm.nih.gov/36901152/>
Michigan State University
Deakin University

Re-evaluating two popular EEG-based mobile sleep-monitoring devices for home use

Emily Wood , James K Westphal , Itamar Lerner
Journal of Sleep Research, 25 January 2023, <https://doi.org/10.1111/jsr.13824>
The University of Texas at San Antonio

Circadian acclimatization of performance, sleep, and 6-sulfatoxymelatonin using multiple phase shifting stimuli

Shawn D. Youngstedt, Jeffrey Elliott, Salma Patel, et al
Frontiers in Endocrinology, published 16 November 2022, DOI 10.3389/fendo.2022.964681
Arizona State University
University of Arizona
University of California San Diego
California State University
University of Nevada
Johns Hopkins University

Daily Relations Between Stress and Electroencephalography-Assessed Sleep: A 15-Day Intensive Longitudinal Design With Ecological Momentary Assessments

Yang Yap, Natasha Yan Chi Tung, Jorja Collins, Andrew Phillips, Bei Bei, Joshua F. Wiley
Annals of Behavioral Medicine, 2022, kaac017, <https://doi.org/10.1093/abm/kaac017>
Monash University

Effects of Limiting Recreational Screen Media Use on Physical Activity and Sleep in Families With Children: A Cluster Randomized Clinical Trial

Jesper Pedersen, Martin Gillies Banke Rasmussen, Sarah Overgaard Sørensen, Sofie Rath Mortensen, Line Grønholt Olesen, Jan Christian Brønd, Søren Brage, Peter Lund Kristensen, Anders Grøntved
JAMA Pediatrics, Published online May 23, 2022. doi:10.1001/jamapediatrics.2022.1519
University of Southern Denmark
University of Cambridge

A Model For a Chronic Napping in Older Adults at Risk for Alzheimer’s Disease

Shawn Youngstedt, Siddhartha Angadi, Megan Petrov, Salma Patel
APSS Abstract 0098, 2022
Arizona State University
University of Virginia
University of Arizona

Impact of daily caffeine intake and timing on electroencephalogram-measured sleep in adolescents

Jessica R. Lunsford-Avery, Scott H. Kollins, Sujay Kansagra, Ke Will Wang, Matthew M. Engelhard
J Clin Sleep Med. 2022;18(3):877–884. Published Online:March 1, 2022 <https://doi.org/10.5664/jcsm.9736>
Duke University School of Medicine
Duke University

The complicated impact of media use before bed on sleep: Results from a combination of objective EEG sleep measurement and media diaries

Morgan E. Ellithorpe, Ezgi Ulusoy, Allison Eden, Lindsay Hahn, Chia-Lun Yang, Robin M. Tucker
Journal of Sleep Research, 08 February 2022; <https://doi.org/10.1111/jsr.13551>
University of Delaware
Michigan State University

Feasibility of two screen media reduction interventions: Results from the SCREENS pilot trial

Rasmussen MGB, Pedersen J, Olesen LG, Kristensen PL, Brønd JC, Grøntved A
LoS ONE 2021 16(11): e0259657. <https://doi.org/10.1371/journal.pone.0259657>
Centre of Research in Childhood Health, Research Unit for Exercise Epidemiology, Department of Sports Science and Clinical Biomechanics
University of Southern Denmark

Manual Annotation of Time in Bed Using Free-Living Recordings of Accelerometry Data

Esben Lykke Skovgaard, Jesper Pedersen, Niels Christian Møller, Anders Grøntved and Jan Christian Brønd
Sensors 2021, 21, 8442. <https://doi.org/10.3390/s21248442>
Centre of Research in Childhood Health, Research Unit for Exercise Epidemiology, Department of Sports Science and Clinical Biomechanics
University of Southern Denmark

How much does sleep vary from night-to-night? A quantitative summary of intraindividual variability in sleep by age, gender, and racial/ethnic identity across eight-pooled datasets

Brett A. Messman, Joshua F. Wiley, Yang Yap, Natasha Yan Chi Tung, Isamar M. Almeida, Jessica R. Dietch, Daniel J. Taylor, Danica C. Slavish
This research was supported by National Institute of Allergy and Infectious Diseases grant 1R01AI128359-01 and the 2021 International Collaborative Research Award sponsored by the Society for Health Psychology (SfHP)
University of North Texas
Monash University
University of Arizona

FLUID study: study protocol for an open-label, single-centre pilot study to investigate the effect of Lemborexant on sleep management in Japanese sUbjects aged 50 years and older with Insomnia Disorder

Ippei Okada, Kunihiro Iwamoto, Seiko Miyata, Akihiro Fujimoto, Masaki Tanaka, Manabu Amano, Nao Matsuyama, Toshiaki Taoka, Shinji Naganawa, Norio Ozaki

BMJ Open (2021) 11:e054885; <https://bmjopen.bmj.com/content/11/11/e054885>

Nagoya University
Eisai Co Ltd

Napping on the night shift and its impact on blood pressure and heart rate variability among emergency medical services workers: study protocol for a randomized crossover trial

P. Daniel Patterson, Leonard S. Weiss, Matthew D. Weaver, David D. Salcido, Samantha E. Opitz, Tiffany S. Okerman, Tanner T. Smida, Sarah E. Martin, Francis X. Guyette, Christian Martin-Gill, and Clifton W. Callaway

Trials (2021) 22:212; <https://doi.org/10.1186/s13063-021-05161-4>

University of Pittsburgh

Sleep quality and glycaemic variability in a real-life setting in adults with type 1 diabetes

Rachel Brandt, Minsun Park, Kristen Wroblewski, Laretta Quinn, Esra Tasali, Ali Cinar

Diabetologia, 64:2159–2169, 2021

Illinois Institute of Technology

University of Illinois at Chicago

University of Chicago

Beneficial effects of a high protein breakfast on fullness disappear after a night of short sleep in nonobese, premenopausal women

Chia-Lun Yang, Robin M. Tucker

Physiology & Behavior, Volume 229, 1 February 2021, 113269

Michigan State University

Evaluation of the Consensus Sleep Diary in a community sample: comparison with single-channel EEG, actigraphy, and retrospective questionnaire

Jessica R. Dietch and Daniel J. Taylor

Journal of Clinical Sleep Medicine, Published Online: March 5, 2021; <https://doi.org/10.5664/jcsm.9200>

Stanford University School of Medicine

University of Arizona

Self-administered electroencephalography based sleep assessment: compliance and perceived feasibility in children and adults

Jesper Pedersen, Martin Gillies Banke Rasmussen, Line Grønholt Olesen, Peter Lund Kristensen, and Anders Grøntved

Sleep Science Practice 5, 8 (2021); <https://doi.org/10.1186/s41606-021-00059-1>

University of Southern Denmark

Associations between daily affect and sleep vary by sleep assessment type: What can ambulatory EEG add to the picture?

Brett A. Messman, Danica C. Slavish, Jessica R. Dietch, Brooke N. Jenkins, Maiaten Brink and Daniel J. Taylor

Sleep Health, Available online 14 January 2021; <https://doi.org/10.1016/j.sleh.2020.11.009>

University of North Texas

Chapman University

Stanford University

Performance of an ambulatory electroencephalogram sleep monitor in patients with psychiatric disorders

Seiko Miyata, Kunihiro Iwamoto, Masahiro Banno, Junichi Eguchi, Satoshi Kaneko, Akiko Noda, Norio Ozaki
Journal of Sleep Research, 28 December 2020; <https://doi.org/10.1111/jsr.13273>; 2020

Nagoya University
Chubu University

The KAITEKI Institute - think tank and global research institute of Mitsubishi Chemical Holdings Corporation

Feasibility of Self-Administered Electroencephalography-Based Sleep Assessment in Children and Adults: Data From The SCREENS Pilot Trial

Jesper Pedersen, Martin Gillies Banke Rasmussen, Line Grønholt Olesen, Peter Lund Kristensen and Anders Grøntved

Sleep Science and Practice, Under Review, Oct 2020
University of Southern Denmark

Ambulatory EEG-measured sleep associated with attention-deficit/hyperactivity disorder symptom severity among adolescents

J. Lunsford-Avery; S. Kollins; C. Keller; M. Engelhard

Journal of Sleep Research, Volume29, Issue S1

Special Issue: Abstracts of the 25th Congress of the European Sleep Research Society, 22-24 September 2020
Duke University Medical Center

Deep learning for automated sleep staging using instantaneous heart rate

Niranjan Sridhar, Ali Shoeb1, Philip Stephens, Alaa Kharbouch, David Ben Shimol, Joshua Burkart, Atiyeh Ghoreyshi and Lance Myers

Nature, npj Digital Medicine 3, 106 (2020)

Verily Life Sciences (aka Google Life Sciences)

Wearable Sleep-EEG Device Use in Adolescents: A Feasibility and Acceptability Study

Jessica Ruth Lunsford-Avery; Casey Keller; Scott H Kollins; Andrew D Krystal; Leah Jackson; and Matthew Morrow Engelhard

JMIR mHealth and uHealth, Accepted August 2020
Duke University

The Cycle of Daily Stress and Sleep: Sleep Measurement Matters

Danica C Slavish, PhD, Justin Asbee, MA, Kirti Veeramachaneni, Brett A Messman, BA, Bella Scott, BA, Nancy L Sin, PhD, Daniel J Taylor, PhD, Jessica R Dietch, PhD

Annals of Behavioral Medicine, kaaa053, <https://doi.org/10.1093/abm/kaaa053>; August 2020

University of North Texas

University of Arizona

Stanford University School of Medicine

Machine Learning Derived-Interpretative Algorithm Better Differentiates Sleep And Wake Epochs And Estimates Sleep Parameters From Wrist Actigraphy Data

Haghighy, S. Khoshnevis, S. Smolensky, M. H. Diller, K. R. Castriotta, R. J.

Associated Professional Sleep Societies (APSS), 2020, 34rd Annual Meeting, Sleep (43)

The University of Texas at Austin

University of Southern California

The Cycle of Daily Stress And Sleep: Sleep Measurement Matters

Slavish, D. C.1 Asbee, J.1 Veeramachaneni, K.2 Messman, B. Scott, B. Walker, J. Sin, N. L. Taylor, D. J. Dietch, J. Associated Professional Sleep Societies (APSS), 2020, 34rd Annual Meeting, Sleep (43)
University of North Texas
Louis University
University of British Columbia
The University of Arizona
Palo Alto Veterans Affairs Health Care System

Sleep Monitoring With A Single Channel EEG Recorder in Patients with Psychiatric Disorders

Miyata, S. Iwamoto, K. Banno, M. Ito, Y. Noda, A. Ozaki, N.
Associated Professional Sleep Societies (APSS), 2020, 34rd Annual Meeting, Sleep (43)
Nagoya University
Chubu University

Characteristics of Overnight Blood Glucose Levels Are Related to Sleep Quality in People with Type 1 Diabetes

Rachel Brandt, Minsun Park, Laurie T. Quinn, Minseung Chu, Youngkwan Song, Britt M. Burton-Freeman and Ali Cinar
Diabetes, American Diabetes Association, 2020 Jun; 69(Supplement 1): 776-p
Illinois Institute of Technology

Technical Performance Verification of Wearable and Home Sensor Devices Monitoring Sleep: Best Practices

Friso Postma, Zhanna Rozenberg, Nikolai Shokhirev, Kevin Urban, Udi Rubin, Daniela Brunner
Biological Psychiatry 87(9):S343, May 2020
Cohen Veterans Bioscience

Genetics, Sweet Preference, and Short Sleep: Important Players in Food Choice?

Robin M. Tucker
2020 Super Summit Sweetener Systems Conference, March 24, 2020
Michigan State University

Short-term efficacy of reducing screen media use on physical activity, sleep, and physiological stress in families with children aged 4–14: study protocol for the SCREENS randomized controlled trial

Martin Gillies Banke Rasmussen, Jesper Pedersen, Line Grønholm Olesen, Søren Brage, Heidi Klakk, Peter Lund Kristensen, Jan Christian Brønd and Anders Grøntved
BMC Public Health 20:380, 2020
University of South Denmark

Multiple Dimensions of Sweet Taste Perception Altered after Sleep Curtailment

Edward J. Szczygiel, Sungeun Cho and Robin M. Tucker
Nutrients, 11(9); <https://doi.org/10.3390/nu11092015>; 2019
Michigan State University

The Effect of Sleep Curtailment on Hedonic Responses to Liquid and Solid Food

Edward J. Szczygiel, Sungeun Cho and Robin M. Tucker
Foods, 8(10), 2019
Michigan State University

Performance assessment of new-generation Fitbit technology in deriving sleep parameters and stages

Shahab Haghayegh, Sepideh Khoshnevis, Michael H. Smolensky, Kenneth R. Diller & Richard J. Castriotta
Chronobiology International; <https://doi.org/10.1080/07420528.2019.1682006>; 2019
University of Texas at Austin

When Sleep-Dependent Gist Extraction Goes Awry: False Composite Memories are Facilitated by Slow Wave Sleep

Itamar Lerner, Tony P. Kerbaj and Mark A. Gluck
The 41st Annual Meeting of the Cognitive Science Society, page 2119-2124, Montreal, Canada, July 27th, 2019
Rutgers University

Computational Sleep Behavior Analysis: A Survey

Sarah Fallmann and Liming Chen
IEEE Access, Vol 7, page 142421-142440, 2019
De Montfort University and Ulster University

Performance comparison of different interpretative algorithms utilized to derive sleep parameters from wrist actigraphy data

Shahab Haghayegh, Sepideh Khoshnevis, Michael H. Smolensky, Kenneth R. Diller & Richard J. Castriotta
Chronobiology International; <https://doi.org/10.1080/07420528.2019.1679826>; 2019
University of Texas at Austin

Anesthesiology Resident Night Float Duty Alters Sleep Patterns: An Observational Study

Lauren Dunn, Amanda Kleiman, Katherine Forkin, Allison Bechtel, Stephen Collins, Jennifer Potter, Christopher Kaperak, Siny Tsang, Julie Huffmyer and Edward Nemergut
Anesthesiology 131(2):401–409, August 2019
University of Virginia

Anesthesiology Resident Night Float Duty Alters Sleep Patterns: An Observational Study

Lauren K. Dunn, M.D., Ph.D.; Amanda M. Kleiman, M.D.; Katherine T. Forkin, M.D.; Allison J. Bechtel, M.D.; Stephen R. Collins, M.D.; et al
Anesthesiology, Newly Published on May 28, 2019; <https://doi.org/10.1097/aln.0000000000002806>; 2019
University of Virginia & Washington State University

Accuracy of PurePulse photoplethysmography technology of Fitbit Charge 2 for assessment of heart rate during sleep

Shahab Haghayegh, Sepideh Khoshnevis, Michael H. Smolensky & Kenneth R. Diller
Chronobiology International, Published online: 16 Apr 2019
University of Texas at Austin

Actigraphic sleep tracking and wearables: Historical context scientific applications and guidelines, limitations, and considerations for commercial sleep devices

Michael Grandner and Mary Rosenberger
Sleep and Health, P.147, 2019
University of Arizona
Stanford University

Differences In Sleep Duration And Quality Between Weekdays And Weekends In Japanese Adults

Seiko Miyata Kunihiro Iwamoto Motoo Ando Yuki Ito Aiko Noda Norio Ozaki
Associated Professional Sleep Societies (APSS), 2019, 33rd Annual Meeting, Sleep (42)
Nagoya University Graduate School of Medicine

Associations between chemosensory function, sweet taste preference, and the previous night's sleep in non-obese males

Edward J. Szczygiel, Sungeun Cho, Margaret K. Snyder, Robin M. Tucker
Food Quality and Preference, Volume 75, July 2019, Pages 105-112
Michigan State University

Do Not Disturb, Shadyside Hospital Foundation grants lead to first-ever "sleep protection" breakthrough

D'Antonio I. and Pituch D.W.
The VOICE of UPMC Shadyside Winter 2017 (available online 2019)
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Validity of survey measures of sleep duration, efficiency, and timing

Dietch, J.R. and Taylor, D.J.
Measurement and Analysis of Sleep and Circadian Dimensions Symposium
Associated Professional Sleep Societies (APSS), 2019, 33rd Annual Meeting, Sleep (42)
University of North Texas

Increased Hunger, Food Cravings, Food Reward, and Portion Size Selection after Sleep Curtailment in Women Without Obesity

Chia-Lun Yang, Jerry Schnepp and Robin M. Tucker
Nutrients Vol. 11(3), 663, 2019
Michigan State University
Bowling Green State University

Preliminary Results: Sleep Curtailment Results in Increased Portion Size Selection

Chia-Lun, Yang, Christina Cobetto, Yusi Hu, Jerry Schnepp, and Robin Tucker
Food & Nutrition Conference & Expo (FNCE), Washington D.C., Oct. 20-23, 2018
Michigan State University
Bowling Green State University

精神疾患を対象とした新規睡眠評価機器 (Zmachine) のPSGを用いた妥当性検証 Validation Using the PSG of New Sleep Evaluation Device Intended for Mental Disease (Zmachine)

Iwamoto, Kunihiro
Japanese Society of Sleep Research 43rd Annual Meeting, Sapporo, Japan, July 2018
Nagoya University

A Critical Review of Consumer Wearables, Mobile Applications and Equipment for Providing Biofeedback Monitoring Stress and Sleep in Physically Active Populations

Peake, JM, Kerr, G, and Sullivan JP
Frontiers in Physiology, June 2018 | Volume 9 | Article 743
Queensland University

Effect of Night Float on Anesthesiology Resident Sleep Patterns: An Observational Study

Dunn L., Kleiman A., Forkin K., Quigg M., Bechtel A., Huffmyer J. and Nemergut E.
International Anesthesia Research Society (IARS), 2018 Annual Meeting
University of Virginia

Daily Covariation Of Stress and EEG-Determined Sleep

Veeramachaneni K, Dietch JR, Slavish DC, Taylor DJ
Associated Professional Sleep Societies (APSS), 2018, 32st Annual Meeting, Sleep (41)
University of North Texas

General Sleep Corporation
List of Publications

Daily Positive Affect Predicts EEG-Determined REM Duration

Hale BS, Messman B, Brown A, Banzuelo H, Nguyen T, Slavish D, Taylor DJ, Dietch JR
Associated Professional Sleep Societies (APSS), 2018, 32st Annual Meeting, Sleep (41)
University of North Texas

Characterization of the Relationships Between Sleep Duration, Quality, Architecture, and Chemosensory Function in Nonobese Females

Szczygiel, EJ., Cho, S., Tucker, RM.
Chemical Senses, 2018
Advanced Access Publication Date: 7 March 2018
Michigan State University

Sleep Devices: Wearables and Nearables, Informational and Interventional, Consumer and Clinical

Bianchi, MT.
Metabolism: clinical and experimental, 2018
Advanced Access Publication Date: 8 December 2017
Harvard Medical School/Massachusetts General Hospital

Landscape Analysis of Biometric Monitoring Devices (BMDs) Utilized in Assessing Cognition, Sleep and Mobility in Alzheimer's Disease and Other Age-Related Neurological Diseases

Kern V., Rhodes J., Karlin D., Fitzer-Attas C., Ropacki M., et al
Alzheimer's Association International Conference (AAIC), 2017
Critical Path Institute, Biogen, Pfizer, CHDI Foundation, Loma Linda University, et al

Where is your (mind)fulness? It matters for sleep.

Lipsky, J., Acero, P., Cho, L., Kreidler, P., Zhu, Z., Britton, W.
Association for Psychological Science (APS), 2017, 29th Annual Meeting
Brown University

Estimation of Sleep Stages using Cardiac and Accelerometer Data from a Wrist-Worn Device

Beattie, Z., Pantelopoulos, A., Ghoreyshi, A., Oyang, Y., Statan, A., Heneghan, C.
Associated Professional Sleep Societies (APSS), 2017, 31st Annual Meeting, Sleep (40)
Fitbit, Inc.

Advances In the Management of Chronic Insomnia

Kay-Stacey M. and Attarian H.
British Medical Journal (BMJ), 2016;353:i2123
Northwestern University

Current research impacting long-duration space flight sleep and fatigue

Moomaw, R.
American Osteopathic Association (AOA), 2016, 122nd Annual Meeting
NASA - Johnson Space Center

Twenty-four Hours of Sleep, Sedentary Behavior, and Physical Activity with Nine Wearable Devices

Rosenberger, ME.¹, Buman, MP.², Haskell, WL.¹, McConnell, MV.¹, Carstensen, LL.¹
Medicine & Science in Sports & Exercise, 2016, Vol. 48(3), 457–465
¹Stanford University
²Arizona State University

Evaluation of an Automated Single-Channel Sleep Staging Algorithm

Wang, Y., Loparo, K., Kelly, M., Kaplan, R.
Nature and Science of Sleep, 2015, Vol. 7, 101-111

Performance Evaluation of an Automated Single-Channel Sleep Staging Algorithm

Wang, Y., Loparo, K., Kaplan, R.
Associated Professional Sleep Societies (APSS), 2015, 29th Annual Meeting, Sleep (38)

A Pilot Study: Delirium in the Intensive Care Unit: Utilizing the Zmachine Sleep Monitor for Assessment

Whitcomb, J. J., Edwards, S., Ethridge, E., Fogle, S.
UCLA Department of Nursing, 14th Annual Research and Evidence-Based Practice Conference, 2015
Also appears on HEHD/SOE Research Forum, Clemson University
Clemson University

Performance Evaluation of an Automated Single Channel Sleep-Wake Detection Algorithm

Kaplan, R., Wang, Y., Loparo, K., Kelly, M., Bootzin, R.
Nature and Science of Sleep, 2014, Vol. 6, 113-122

Classification of Stage-1 in a Single Channel Wake-Sleep Detection System

Kaplan, R. F., Wang, Y., Bootzin, R.R., Loparo, K.A.
Associated Professional Sleep Societies (APSS), 2009, 23rd Annual Meeting, Sleep (32)

A Single Channel Wake-Sleep Detection System

Wang, Y., Kaplan, R. F., Bootzin, R. R., and Loparo, K. A.
Associated Professional Sleep Societies (APSS), 2008, 22nd Annual Meeting, Sleep (31)

Evaluation of an automated system for in-home behavioral treatment of chronic insomnia: Part III

Kaplan, R. F., Wang, Y., Bootzin, R.R., Loparo, K.A.
Associated Professional Sleep Societies (APSS), 2007, 21st Annual Meeting, Sleep (30)

Evaluation of an automated system for in-home behavioral treatment of chronic insomnia: Part II

Kaplan, R. F., Wang, Y., Bootzin, R.R., Loparo, K.A.
Associated Professional Sleep Societies (APSS), 2006, 20th Annual Meeting, Sleep (29)

Evaluation of an automated system for in-home behavioral treatment of chronic insomnia: Part I

Kaplan, R. F., Wang, Y., Bootzin, R.R., Loparo, K.A.
Associated Professional Sleep Societies (APSS), 2006, 20th Annual Meeting, Sleep (29)

Very high frequency energy (Kappa) in human surface EEG: Correlation with behavioral state

Richardson, G.S., Kaplan, R.F., Loparo, K.A., Johnson, S.E., Roth, T.
Associated Professional Sleep Societies (APSS), 2000, 14th Annual Meeting, Sleep (23)

Enhancing fatigue assessment in aviation settings: Correlation of EEG-based DDAS with performance

Kaplan, R.F., Loparo, K. A., Nesthus, T.E., Schroeder, D.J.
Aviation, Space, and Environmental Medicine, 1998, 69(3)

Four-choice serial reaction time and visual search performance during 34 hr of sleep loss

Nesthus, T.E., Scarborough, A.L., Schroeder, D.J., Kaplan, R.F., Loparo, K.A. , and Thorne, D.
Aviation, Space, and Environmental Medicine, 1998, 69(3)

General Sleep Corporation
List of Publications

Subjective sleepiness ratings and body temperature during 34 hours of sleep deprivation
Schroeder, D.J., Nesthus, T.E., Scarborough, A., Thompson, J., Kaplan, R.F., Loparo, K.A.
Aviation, Space, and Environmental Medicine, 1998, 69(3)