

Barry S Oken

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

5,698
citations

94269

37
h-index

82410

72
g-index

97
all docs

97
docs citations

97
times ranked

6967
citing authors

#	ARTICLE	IF	CITATIONS
1	Vigilance, alertness, or sustained attention: physiological basis and measurement. <i>Clinical Neurophysiology</i> , 2006, 117, 1885-1901.	0.7	620
2	The Efficacy of Ginkgo biloba on Cognitive Function in Alzheimer Disease. <i>Archives of Neurology</i> , 1998, 55, 1409.	4.9	561
3	Mind-body interventions. <i>Neurology</i> , 2008, 70, 2321-2328.	1.5	269
4	Randomized, controlled, six-month trial of yoga in healthy seniors: effects on cognition and quality of life. <i>Alternative Therapies in Health and Medicine</i> , 2006, 12, 40-7.	0.0	244
5	Exacerbated physical fatigue and mental fatigue in Parkinson's disease. <i>Movement Disorders</i> , 2001, 16, 190-196.	2.2	211
6	Statistical issues concerning computerized analysis of brainwave topography. <i>Annals of Neurology</i> , 1986, 19, 493-494.	2.8	210
7	Placebo effects: clinical aspects and neurobiology. <i>Brain</i> , 2008, 131, 2812-2823.	3.7	208
8	A systems approach to stress, stressors and resilience in humans. <i>Behavioural Brain Research</i> , 2015, 282, 144-154.	1.2	179
9	Pilot Controlled Trial of Mindfulness Meditation and Education for Dementia Caregivers. <i>Journal of Alternative and Complementary Medicine</i> , 2010, 16, 1031-1038.	2.1	168
10	Physiological and functional consequences of caregiving for relatives with dementia. <i>International Psychogeriatrics</i> , 2014, 26, 725-747.	0.6	161
11	Acupuncture for the Treatment of Peripheral Neuropathy: A Systematic Review and Meta-Analysis. <i>Journal of Alternative and Complementary Medicine</i> , 2017, 23, 164-179.	2.1	161
12	Noninvasive Brain-Computer Interfaces for Augmentative and Alternative Communication. <i>IEEE Reviews in Biomedical Engineering</i> , 2014, 7, 31-49.	13.1	133
13	Verbal Fluency Task Affects Gait in Parkinson's Disease with Motor Freezing. <i>Journal of Geriatric Psychiatry and Neurology</i> , 1998, 11, 181-185.	1.2	129
14	Effects of Gabapentin and Carbamazepine on the EEG and Cognition in Healthy Volunteers. <i>Epilepsia</i> , 2002, 43, 482-490.	2.6	126
15	Quantitative change of EEG and respiration signals during mindfulness meditation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 87.	2.4	107
16	Peak High-Frequency HRV and Peak Alpha Frequency Higher in PTSD. <i>Applied Psychophysiology Biofeedback</i> , 2013, 38, 57-69.	1.0	89
17	Stress-Related Cognitive Dysfunction in Dementia Caregivers. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2011, 24, 191-198.	1.2	87
18	RSVP keyboard: An EEG based typing interface. , 2012, , .		87

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19	Sensitivity to mental effort and test-retest reliability of heart rate variability measures in healthy seniors. <i>Clinical Neurophysiology</i> , 2011, 122, 2059-66.	0.7	83
20	Salivary Cortisol Lower in Posttraumatic Stress Disorder. <i>Journal of Traumatic Stress</i> , 2013, 26, 241-248.	1.0	82
21	Group, One-on-One, or Internet? Preferences for Mindfulness Meditation Delivery Format and their Predictors. <i>Open Medicine Journal</i> , 2014, 1, 66-74.	0.5	82
22	The Effects of Mind-Body Interventions on Sleep Quality: A Systematic Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-17.	0.5	73
23	Assessment of CNS Effects of Antiepileptic Drugs by Using Quantitative EEG Measures. <i>Epilepsia</i> , 2003, 44, 1042-1050.	2.6	72
24	Mechanistic Pathways of Mindfulness Meditation in Combat Veterans With Posttraumatic Stress Disorder. <i>Journal of Clinical Psychology</i> , 2016, 72, 365-383.	1.0	72
25	Brain-Computer Interface With Language Model Electroencephalography Fusion for Locked-In Syndrome. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 387-394.	1.4	69
26	Expectancy effect: Impact of pill administration on cognitive performance in healthy seniors. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2008, 30, 7-17.	0.8	66
27	Salivary Cortisol Awakening Response in Mild Alzheimer Disease, Caregivers, and Noncaregivers. <i>Alzheimer Disease and Associated Disorders</i> , 2008, 22, 181-183.	0.6	64
28	Alertness and Attention. <i>Journal of Clinical Neurophysiology</i> , 1992, 9, 480-494.	0.9	56
29	Nicotine effects on alertness and spatial attention in non-smokers. <i>Nicotine and Tobacco Research</i> , 2002, 4, 185-194.	1.4	56
30	Mindful Awareness and Non-judging in Relation to Posttraumatic Stress Disorder Symptoms. <i>Mindfulness</i> , 2011, 2, 219-227.	1.6	55
31	Adherence to Practice of Mindfulness in Novice Meditators: Practices Chosen, Amount of Time Practiced, and Long-Term Effects Following a Mindfulness-Based Intervention. <i>Mindfulness</i> , 2018, 9, 401-411.	1.6	55
32	Modulation of the age at onset of Parkinson's disease by apolipoprotein E genotypes. <i>Annals of Neurology</i> , 1997, 42, 655-658.	2.8	52
33	Increased Sleep Disturbances and Pain in Veterans With Comorbid Traumatic Brain Injury and Posttraumatic Stress Disorder. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 1865-1878.	1.4	48
34	Methylphenidate Increases the Motor Effects of L-Dopa in Parkinson's Disease: A Pilot Study. <i>Clinical Neuropharmacology</i> , 2001, 24, 208-213.	0.2	45
35	Meditation in Stressed Older Adults: Improvements in Self-Rated Mental Health Not Paralleled by Improvements in Cognitive Function or Physiological Measures. <i>Mindfulness</i> , 2017, 8, 627-638.	1.6	45
36	Pharmacologically induced changes in arousal: effects on behavioral and electrophysiologic measures of alertness and attention. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 359-371.	0.3	43

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37	Assessing Sleep Architecture in Dementia Caregivers at Home Using an Ambulatory Polysomnographic System. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2011, 24, 50-59.	1.2	43
38	Attention deficit in Alzheimer's disease is not simulated by an anticholinergic/antihistaminergic drug and is distinct from deficits in healthy aging. <i>Neurology</i> , 1994, 44, 657-657.	1.5	43
39	One-on-One Mindfulness Meditation Trainings in a Research Setting. <i>Mindfulness</i> , 2014, 5, 88-99.	1.6	41
40	Internet Mindfulness Meditation Intervention for the General Public: Pilot Randomized Controlled Trial. <i>JMIR Mental Health</i> , 2016, 3, e37.	1.7	35
41	Topiramate effects on the EEG and alertness in healthy volunteers: A different profile of antiepileptic drug neurotoxicity. <i>Epilepsy and Behavior</i> , 2007, 10, 463-469.	0.9	32
42	Cognition and fatigue in multiple sclerosis: Potential effects of medications with central nervous system activity. <i>Journal of Rehabilitation Research and Development</i> , 2006, 43, 83.	1.6	31
43	Phase I randomized trial of liothyronine for remyelination in multiple sclerosis: A dose-ranging study with assessment of reliability of visual outcomes. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 41, 102015.	0.9	31
44	One Method for Objective Adherence Measurement in Mindâ€œBody Medicine. <i>Journal of Alternative and Complementary Medicine</i> , 2011, 17, 175-177.	2.1	27
45	Fusion with language models improves spelling accuracy for ERP-based brain computer interface spellers. , 2011, 2011, 5774-7.		27
46	Hypnosis Intervention Effects on Sleep Outcomes: A Systematic Review. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 271-283.	1.4	27
47	Change in physiological signals during mindfulness meditation. , 2013, , 1738-1381.		26
48	Impulsivity and Stress Response in Nondependent Smokers (Tobacco Chippers) in Comparison to Heavy Smokers and Nonsmokers. <i>Nicotine and Tobacco Research</i> , 2016, 18, 547-556.	1.4	26
49	Treatment of experimental autoimmune encephalomyelitis with alpha lipoic acid and associative conditioning. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 538-543.	2.0	25
50	Soliciting BCI user experience feedback from people with severe speech and physical impairments. <i>Brain-Computer Interfaces</i> , 2016, 3, 47-58.	0.9	25
51	Aroma Effects on Physiologic and Cognitive Function Following Acute Stress: A Mechanism Investigation. <i>Journal of Alternative and Complementary Medicine</i> , 2016, 22, 713-721.	2.1	23
52	EEG Frequency Changes Prior to Making Errors in an Easy Stroop Task. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 521.	1.0	22
53	Internet-based Mindfulness Meditation for Cognition and Mood in Older Adults: A Pilot Study. <i>Alternative Therapies in Health and Medicine</i> , 2016, 22, 44-53.	0.0	20
54	Age-Related Differences in Visual Search Task Performance: Relative Stability of Parallel but not Serial Search. <i>Journal of Geriatric Psychiatry and Neurology</i> , 1994, 7, 163-168.	1.2	19

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55	Perceived stress mediates the relationship between mindfulness and negative affect variability: A randomized controlled trial among middle-aged to older adults. <i>Stress and Health</i> , 2019, 35, 89-97.	1.4	18
56	Differences in stress-related ratings between research center and home environments in dementia caregivers using ecological momentary assessment. <i>International Psychogeriatrics</i> , 2012, 24, 90-98.	0.6	17
57	School-based mindfulness intervention for stress reduction in adolescents: Design and methodology of an open-label, parallel group, randomized controlled trial. <i>Contemporary Clinical Trials Communications</i> , 2016, 4, 99-104.	0.5	16
58	Immediate impact of yogic breathing on pulsatile cerebrospinal fluid dynamics. <i>Scientific Reports</i> , 2022, 12, .	1.6	16
59	A cognitive stressor for event-related potential studies: the Portland arithmetic stress task. <i>Stress</i> , 2017, 20, 277-284.	0.8	15
60	Effects of simulated visual acuity and ocular motility impairments on SSVEP brain-computer interface performance: an experiment with Shuffle Speller. <i>Brain-Computer Interfaces</i> , 2018, 5, 58-72.	0.9	15
61	SSVEP BCI and Eye Tracking Use by Individuals With Late-Stage ALS and Visual Impairments. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 595890.	1.0	15
62	Expectancy of Stress-Reducing Aromatherapy Effect and Performance on a Stress-Sensitive Cognitive Task. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	14
63	Results of a mindfulness intervention feasibility study among elder African American women: A qualitative analysis. <i>Complementary Therapies in Medicine</i> , 2020, 52, 102455.	1.3	14
64	Effect of expectancy and personality on cortical excitability in Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 1257-1262.	2.2	13
65	Expectancy, Self-Efficacy, and Placebo Effect of a Sham Supplement for Weight Loss in Obese Adults. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2014, 19, 181-188.	1.5	13
66	Teaching mindfulness meditation to adults with severe speech and physical impairments: An exploratory study. <i>Neuropsychological Rehabilitation</i> , 2015, 25, 708-732.	1.0	11
67	Vigilance state fluctuations and performance using brain-computer interface for communication. <i>Brain-Computer Interfaces</i> , 2018, 5, 146-156.	0.9	11
68	Differential Impact of Mindfulness Practices on Aggression Among Law Enforcement Officers. <i>Mindfulness</i> , 2020, 11, 734-745.	1.6	11
69	Heart rate variability analysis of effect of nicotine using periodograms. , 2004, 2006, 294-7.		10
70	Adaptive body awareness predicts fewer central sensitization-related symptoms and explains relationship between central sensitization-related symptoms and pain intensity: A cross-sectional study among individuals with chronic pain. <i>Pain Practice</i> , 2022, 22, 222-232.	0.9	10
71	Augmented Input Reveals Word Deafness in a Man with Frontotemporal Dementia. <i>Behavioural Neurology</i> , 2012, 25, 151-154.	1.1	9
72	Do psychosocial predictors affect the following days' cortisol awakening response? Expanding the temporal frame with which to explore morning cortisol. <i>Stress</i> , 2017, 20, 398-403.	0.8	9

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73	BciPy: brain-computer interface software in Python. <i>Brain-Computer Interfaces</i> , 2021, 8, 137-153.	0.9	8
74	Classroom-Based Mindfulness Training Reduces Anxiety in Adolescents: Acceptability and Effectiveness of a Cluster-Randomized Pilot Study. <i>Journal of Restorative Medicine</i> , 2020, 9, .	0.7	8
75	Effects of Mindfulness Meditation on Self-Rated Stress-related Measures: Improvements in Neuroticism and Ecological Momentary Assessment of Stress. <i>Journal of Alternative and Complementary Medicine</i> , 2014, 20, A64-A64.	2.1	7
76	The effects of an internet-based mindfulness meditation intervention on electrophysiological markers of attention. <i>International Journal of Psychophysiology</i> , 2020, 158, 103-113.	0.5	6
77	The Case for Local Needling in Successful Randomized Controlled Trials of Peripheral Neuropathy: A Follow-Up Systematic Review. <i>Medical Acupuncture</i> , 2018, 30, 179-191.	0.3	5
78	Skin Conductance Response during Laboratory Stress in Combat Veterans with Post Traumatic Stress Disorder. <i>Journal of Trauma & Treatment</i> , 2013, 02, .	0.0	4
79	24 Hour Ambulatory Research System Supporting Multiple Physiologic Sensors. , 2006, 2006, 5928-31.		3
80	Local and Systemic Analgesic Effects of Nerve-Specific Acupuncture in Healthy Adults, Measured by Quantitative Sensory Testing. <i>Pain Medicine</i> , 2020, 21, e232-e242.	0.9	3
81	Lower urinary tract symptoms are associated with musculoskeletal pain among older men: Preliminary evidence for central sensitization as a mechanism?. <i>Neurourology and Urodynamics</i> , 2021, 40, 1929-1938.	0.8	3
82	Predictors of Improvements in Mental Health From Mindfulness Meditation in Stressed Older Adults. <i>Alternative Therapies in Health and Medicine</i> , 2018, 24, 48-55.	0.0	3
83	Compassion, communication, and the perception of control: a mixed methods study to investigate patients' perspectives on clinical practices for alleviating distress and promoting empowerment during awake craniotomies. <i>British Journal of Neurosurgery</i> , 2021, , 1-12.	0.4	3
84	Methodology and preliminary data on feasibility of a neurofeedback protocol to improve visual attention to letters in mild Alzheimer's disease. <i>Contemporary Clinical Trials Communications</i> , 2022, 28, 100950.	0.5	3
85	THE PLACEBO TREATMENTS IN NEUROSCIENCES: NEW INSIGHTS FROM CLINICAL AND NEUROIMAGING STUDIES. <i>Neurology</i> , 2009, 72, 2053-2054.	1.5	2
86	Target-Related Alpha Attenuation in a Brain-Computer Interface Rapid Serial Visual Presentation Calibration. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 882557.	1.0	2
87	Negative Affect Influences Electrophysiological Markers of Visual Working Memory in Mildly Stressed Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 148.	1.7	1
88	Translation, Cross-Cultural Adaptation, and Psychometric Validation of the English Version of the Postural Awareness Scale. <i>Pain Medicine</i> , 2021, 22, 2686-2699.	0.9	1
89	Ambulatory physiologic monitoring system supporting EMA with self-administered visual evoked potential recording at randomized intervals. , 2011, , .		0
90	PL416: Mind-Body RCTS to Improve Cognitive Function in Older Adults: Contributions to Positive and Negative Results. <i>Alzheimer's and Dementia</i> , 2016, 12, P594.	0.4	0

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91	Set shifting reaction-time improves following meditation or simple breathcounting in meditators and meditation-naïve participants: Data from naturalistic, ecological momentary-assessment devices. <i>Mindfulness & Compassion</i> , 2017, 2, 82-85.	0.5	0
92	790 Adaptive Body Awareness Mediates the Relationship between Quality of Sleep and Symptoms of Central Sensitization. <i>Sleep</i> , 2021, 44, A308-A308.	0.6	0
93	Optimal modality selection using information transfer rate for event related potential driven brain computer interfaces. , 2020, , .		0
94	Mindful Nonreactivity Moderates the Relationship between Posttraumatic Stress Disorder and Depression. <i>Journal of Loss and Trauma</i> , 0, , 1-15.	0.9	0
95	24 Hour Ambulatory Research System Supporting Multiple Physiologic Sensors. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0