Abraham Zangen

List of Publications by Year
in descending order

112 papers	5,895 citations	108046 37 h-index	93651 72 g-index
115 all docs	115 docs citations	115 times ranked	6106 citing authors

#	Article	IF	Citations
1	Efficacy and Safety of Deep Transcranial Magnetic Stimulation for Obsessive-Compulsive Disorder: A Prospective Multicenter Randomized Double-Blind Placebo-Controlled Trial. Focus (American) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		
2	Repetitive Transcranial Magnetic Stimulation inÂAlcohol Dependence: A Randomized, Double-Blind, Sham-Controlled Proof-of-Concept Trial Targeting the Medial Prefrontal andÂAnterior Cingulate Cortices. Biological Psychiatry, 2022, 91, 1061-1069.	0.7	48
3	Efficacy of Deep TMS with the H1 Coil for Anxious Depression. Journal of Clinical Medicine, 2022, 11, 1015.	1.0	12
4	Preliminary Report of the Safety and Tolerability of 1ÂHz Repetitive Transcranial Magnetic Stimulation in Temporal Lobe Epilepsy. Journal of Central Nervous System Disease, 2022, 14, 117957352210885.	0.7	1
5	Repetitive Transcranial Magnetic Stimulation With H-Coil Coupled With Cycling for Improving Lower Limb Motor Function After Stroke: An Exploratory Study. Neuromodulation, 2021, 24, 916-922.	0.4	7
6	Real-world efficacy of deep TMS for obsessive-compulsive disorder: Post-marketing data collected from twenty-two clinical sites. Journal of Psychiatric Research, 2021, 137, 667-672.	1.5	31
7	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. Clinical Neurophysiology, 2021, 132, 269-306.	0.7	553
8	Application of transcranial magnetic stimulation for major depression: Coil design and neuroanatomical variability considerations. European Neuropsychopharmacology, 2021, 45, 73-88.	0.3	27
9	Comments on "Cortico-cortical connectivity: the road from basic neurophysiological interactions to therapeutic applications" (Koch, Exp Brain Res., 2020). Experimental Brain Research, 2021, 239, 2357-2358.	0.7	2
10	Deep Transcranial Magnetic Stimulation Combined With Brief Exposure for Posttraumatic Stress Disorder: A Prospective Multisite Randomized Trial. Biological Psychiatry, 2021, 90, 721-728.	0.7	37
11	Repetitive transcranial magnetic stimulation for smoking cessation: aÂpivotal multicenter doubleâ€blind randomized controlled trial. World Psychiatry, 2021, 20, 397-404.	4.8	97
12	A functional magnetic resonance imaging investigation of prefrontal cortex deep transcranial magnetic stimulation efficacy in adults with attention deficit/hyperactive disorder: A double blind, randomized clinical trial. NeuroImage: Clinical, 2021, 30, 102670.	1.4	10
13	Electrical field measurements and simulations of the H7 and D-B80 coils: Non-equivalence of the TMS coils for obsessive compulsive disorder. Brain Stimulation, 2021, 14, 1525-1527.	0.7	8
14	Emergence of Sexual Dreams and Emission Following Deep Transcranial Magnetic Stimulation over the Medial Prefrontal and Cingulate Cortices. CNS and Neurological Disorders - Drug Targets, 2021, 20, 310-311.	0.8	0
15	Increased relapse to cocaineâ€seeking in a genetic model for depression. Addiction Biology, 2020, 25, e12756.	1.4	2
16	Repetitive transcranial magnetic stimulation targeting the insular cortex for reduction of heavy drinking in treatment-seeking alcohol-dependent subjects: a randomized controlled trial. Neuropsychopharmacology, 2020, 45, 842-850.	2.8	42
17	Prisoners of Addictive Cues: Biobehavioral Markers of Overweight and Obese Adults with Food Addiction. Nutrients, 2020, 12, 3563.	1.7	4
18	Do comorbid OCD-MDD patients need two separate dTMS protocols?. Brain Stimulation, 2020, 13, 1000-1001.	0.7	5

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19	Deep transcranial magnetic stimulation for obsessive-compulsive disorder is efficacious even in patients who failed multiple medications and CBT. Psychiatry Research, 2020, 290, 113179.	1.7	10
20	Rotational field TMS: Comparison with conventional TMS based on motor evoked potentials and thresholds in the hand and leg motor cortices. Brain Stimulation, 2020, 13, 900-907.	0.7	11
21	Alleviation of ADHD symptoms by non-invasive right prefrontal stimulation is correlated with EEG activity. NeuroImage: Clinical, 2020, 26, 102206.	1.4	27
22	Bilateral Repetitive Transcranial Magnetic Stimulation With the H-Coil in Parkinson's Disease: A Randomized, Sham-Controlled Study. Frontiers in Neurology, 2020, 11, 584713.	1.1	13
23	Repetitive Transcranial Magnetic Stimulation With H-Coil in Alzheimer's Disease: A Double-Blind, Placebo-Controlled Pilot Study. Frontiers in Neurology, 2020, 11, 614351.	1.1	10
24	Comment on â€œTranscranial magnetic stimulation of the medial prefrontal cortex for psychiatric disorders: a systematic reviewâ€• Revista Brasileira De Psiquiatria, 2020, 42, 109-110.	0.9	0
25	Transcranial electrical and magnetic stimulation (tES and TMS) for addiction medicine: A consensus paper on the present state of the science and the road ahead. Neuroscience and Biobehavioral Reviews, 2019, 104, 118-140.	2.9	198
26	Clinical and electrophysiological effects of two dTMS protocols in ADHD. Brain Stimulation, 2019, 12, e129.	0.7	0
27	A Method to Provoke Obsessive Compulsive Symptoms for Basic Research and Clinical Interventions. Frontiers in Psychiatry, 2019, 10, 814.	1.3	16
28	O7. Deep Transcranial Magnetic Stimulation Over the Medial Prefrontal and Anterior Cingulate Cortices Alters Brain Connectivity and Reduces Relapse to Alcohol Use. Biological Psychiatry, 2019, 85, S108.	0.7	2
29	The Insula: A Brain Stimulation Target for the Treatment of Addiction. Frontiers in Pharmacology, 2019, 10, 720.	1.6	69
30	Efficacy and Safety of Deep Transcranial Magnetic Stimulation for Obsessive-Compulsive Disorder: A Prospective Multicenter Randomized Double-Blind Placebo-Controlled Trial. American Journal of Psychiatry, 2019, 176, 931-938.	4.0	250
31	Interhemispheric cortico-cortical paired associative stimulation of the prefrontal cortex jointly modulates frontal asymmetry and emotional reactivity. Brain Stimulation, 2019, 12, 139-147.	0.7	26
32	O14. Deep TMS of the Medial Prefrontal and Anterior Cingulate Cortices for OCD: A Double-Blinded Multi-Center Study. Biological Psychiatry, 2018, 83, S113-S114.	0.7	2
33	Add-on high frequency deep transcranial magnetic stimulation (dTMS) to bilateral prefrontal cortex in depressive episodes of patients with major depressive disorder, bipolar disorder I, and major depressive with alcohol use disorders. Neuroscience Letters, 2018, 671, 128-132.	1.0	12
34	Repetitive Deep TMS for Parkinson Disease: A 3-Month Double-Blind, Randomized Sham-Controlled Study. Journal of Clinical Neurophysiology, 2018, 35, 159-165.	0.9	32
35	Safety and preliminary efficacy of deep transcranial magnetic stimulation in MS-related fatigue. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e423.	3.1	52
36	Bi-hemispheric repetitive transcranial magnetic stimulation for upper limb motor recovery in chronic stroke: A feasibility study. Brain Stimulation, 2018, 11, 932-934.	0.7	4

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37	Randomised sham-controlled study of high-frequency bilateral deep transcranial magnetic stimulation (dTMS) to treat adult attention hyperactive disorder (ADHD): Negative results. World Journal of Biological Psychiatry, 2018, 19, 561-566.	1.3	22
38	Clinical and electrophysiological outcomes of deep TMS over the medial prefrontal and anterior cingulate cortices in OCD patients. Brain Stimulation, 2018, 11, 158-165.	0.7	164
39	Deep TMS of the insula using the H-coil modulates dopamine release: a crossover [11C] PHNO-PET pilot trial in healthy humans. Brain Imaging and Behavior, 2018, 12, 1306-1317.	1.1	41
40	Deep-TMS for ADHD: A randomized sham controlled fMRI study. Brain Stimulation, 2018, 11, e15.	0.7	0
41	EEG features following single pulses of deep TMS as biomarkers for treatment outcome in major depressive disorder. Brain Stimulation, 2018, 11, e15-e16.	0.7	0
42	Rate of inadvertently induced seizures with deep repetitive transcranial magnetic stimulation. Brain Stimulation, 2018, 11, 1410-1414.	0.7	16
43	What intensity of deep repetitive transcranial magnetic stimulation is necessary to remit treatment resistant depression. Brain Stimulation, 2018, 11, e1.	0.7	1
44	Efficacy, tolerability, and cognitive effects of deep transcranial magnetic stimulation for late-life depression: a prospective randomized controlled trial. Neuropsychopharmacology, 2018, 43, 2231-2238.	2.8	104
45	Transcranial Magnetic Stimulation of Medial Prefrontal and Cingulate Cortices Reduces Cocaine Self-Administration: A Pilot Study. Frontiers in Psychiatry, 2018, 9, 80.	1.3	52
46	Alternate day dTMS combined with SSRIs for chronic treatment resistant depression: A prospective multicenter study. Journal of Affective Disorders, 2018, 240, 130-136.	2.0	10
47	111 A Novel Dual-Channel Deep Transcranial Magnetic Stimulator for Major Depressive Disorder. CNS Spectrums, 2018, 23, 71-72.	0.7	1
48	Electric field estimation of deep transcranial magnetic stimulation clinically used for the treatment of neuropsychiatric disorders in anatomical head models. Medical Engineering and Physics, 2017, 43, 30-38.	0.8	25
49	61% of unmedicated treatment resistant depression patients who did not respond to acute TMS treatment responded after four weeks of twice weekly deep TMS in the Brainsway pivotal trial. Brain Stimulation, 2017, 10, 847-849.	0.7	69
50	Network Meta-analysis in Mental Health Research. JAMA Psychiatry, 2017, 74, 851.	6.0	2
51	How to Use the H1 Deep Transcranial Magnetic Stimulation Coil for Conditions Other than Depression. Journal of Visualized Experiments, 2017, , .	0.2	8
52	68. Interhemispheric Paired Associative Stimulation of the Prefrontal Cortex Induces Acute Cognitive and Electrophysiological Alterations. Biological Psychiatry, 2017, 81, S28.	0.7	0
53	Effects of deep transcranial magnetic stimulation of the medial PFC and ACC on relapse to alcohol use and related brain activity. Brain Stimulation, 2017, 10, e27.	0.7	1
54	Answering the missed call: Initial exploration of cognitive and electrophysiological changes associated with smartphone use and abuse. PLoS ONE, 2017, 12, e0180094.	1.1	60

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55	Modelling of the Electric Field Distribution in Deep Transcranial Magnetic Stimulation in the Adolescence, in the Adulthood, and in the Old Age. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-9.	0.7	18
56	Neuromodulation of Attentional Control in Major Depression: A Pilot DeepTMS Study. Neural Plasticity, 2016, 2016, 1-10.	1.0	21
57	Add-on high frequency deep transcranial magnetic stimulation (dTMS) to bilateral prefrontal cortex reduces cocaine craving in patients with cocaine use disorder. Neuroscience Letters, 2016, 629, 43-47.	1.0	60
58	Exposure to salient, dynamic sensory stimuli during development increases distractibility in adulthood. Scientific Reports, 2016, 6, 21129.	1.6	4
59	Add-on deep Transcranial Magnetic Stimulation (dTMS) for the treatment of chronic migraine: A preliminary study. Neuroscience Letters, 2016, 623, 7-12.	1.0	31
60	Deep transcranial magnetic stimulation (dTMS) â€“ beyond depression. Expert Review of Medical Devices, 2016, 13, 987-1000.	1.4	54
61	Bursts of high-frequency repetitive transcranial magnetic stimulation (rTMS), together with lorazepam, suppress seizures in a rat kainate status epilepticus model. Epilepsy and Behavior, 2016, 62, 136-139.	0.9	20
62	Glutamate-Mediated Blood-Brain Barrier Opening: Implications for Neuroprotection and Drug Delivery. Journal of Neuroscience, 2016, 36, 7727-7739.	1.7	129
63	Chronic cocaine administration induces longâ€term impairment in the drive to obtain natural reinforcers in highâ€but not lowâ€demanding tasks. Addiction Biology, 2016, 21, 294-303.	1.4	7
64	Repetitive deep transcranial magnetic stimulation for motor symptoms in Parkinson's disease: A feasibility study. Clinical Neurology and Neurosurgery, 2016, 140, 73-78.	0.6	14
65	Prelimbic Stimulation Ameliorates Depressive-Like Behaviors and Increases Regional BDNF Expression in a Novel Drug-Resistant Animal Model of Depression. Brain Stimulation, 2016, 9, 243-250.	0.7	28
66	Efficacy and safety of deep transcranial magnetic stimulation for major depression: a prospective multicenter randomized controlled trial. World Psychiatry, 2015, 14, 64-73.	4.8	293
67	Retrospective Evaluation of Deep Transcranial Magnetic Stimulation as Add-On Treatment for Parkinsonâ€™s Disease. Frontiers in Neurology, 2015, 6, 210.	1.1	23
68	Maintenance Deep Transcranial Magnetic Stimulation Sessions are Associated with Reduced Depressive Relapses in Patients with Unipolar or Bipolar Depression. Frontiers in Neurology, 2015, 6, 16.	1.1	38
69	Acute reduction in anxiety after deep transcranial magnetic stimulation (DTMS) in unipolar major depression- a systematic review and meta-analysis. Psychiatry Research, 2015, 230, 971-974.	1.7	21
70	Add-on deep transcranial magnetic stimulation (dTMS) in patients with dysthymic disorder comorbid with alcohol use disorder: A comparison with standard treatment. World Journal of Biological Psychiatry, 2015, 16, 66-73.	1.3	41
71	Neural correlates of clinical improvement after deep transcranial magnetic stimulation (DTMS) for treatment-resistant depression: a case report using functional magnetic resonance imaging. Neurocase, 2015, 21, 16-22.	0.2	11
72	Realistic shape head model and spherical model as methods for TMS coil characterization. Clinical Neurophysiology, 2015, 126, 1455-1456.	0.7	5

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73	Mitochondrial myopathy and comorbid major depressive disorder: effectiveness of dTMS on gait and mood symptoms. General Hospital Psychiatry, 2015, 37, 274.e7-274.e9.	1.2	4
74	Deep TMS on alcoholics: effects on cortisolemia and dopamine pathway modulation. A pilot study. Canadian Journal of Physiology and Pharmacology, 2015, 93, 283-290.	0.7	117
75	Reply to â€œOn the stimulation depth of transcranial magnetic stimulation coilsâ€• Clinical Neurophysiology, 2015, 126, 844-845.	0.7	0
76	Differential Involvement of the Agranular vs Granular Insular Cortex in the Acquisition and Performance of Choice Behavior in a Rodent Gambling Task. Neuropsychopharmacology, 2015, 40, 2832-2842.	2.8	31
77	Antidepressant effectiveness of deep Transcranial Magnetic Stimulation (dTMS) in patients with Major Depressive Disorder (MDD) with or without Alcohol Use Disorders (AUDs): A 6-month, open label, follow-up study. Journal of Affective Disorders, 2015, 174, 57-63.	2.0	34
78	Inherited behaviors, BDNF expression and response to treatment in a novel multifactorial rat model for depression. International Journal of Neuropsychopharmacology, 2014, 17, 945-955.	1.0	23
79	Excitatory Deep Transcranial Magnetic Stimulation With H-Coil Over the Right Homologous Brocaâ€™s Region Improves Naming in Chronic Post-stroke Aphasia. Neurorehabilitation and Neural Repair, 2014, 28, 291-298.	1.4	27
80	Transcranial magnetic stimulation in the treatment of substance addiction. Annals of the New York Academy of Sciences, 2014, 1327, 79-93.	1.8	145
81	Induction of depressiveâ€like effects by subchronic exposure to cocaine or heroin in laboratory rats. Journal of Neurochemistry, 2014, 130, 575-582.	2.1	20
82	H-coil repetitive transcranial magnetic stimulation for treatment resistant major depressive disorder: An 18-week continuation safety and feasibility study. World Journal of Biological Psychiatry, 2014, 15, 298-306.	1.3	77
83	Effects of Deep Repetitive Transcranial Magnetic Stimulation on Brain-Derived Neurotrophic Factor Serum Concentration in Healthy Volunteers. Neuropsychobiology, 2014, 69, 112-119.	0.9	12
84	A Double-blind, Randomized Trial of Deep Repetitive Transcranial Magnetic Stimulation (rTMS) for Autism Spectrum Disorder. Brain Stimulation, 2014, 7, 206-211.	0.7	115
85	Deep Repetitive Transcranial Magnetic Stimulation With H-coil on Lower Limb Motor Function in Chronic Stroke: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1141-1147.	0.5	43
86	Motor cortex activation by H-coil and figure-8 coil at different depths. Combined motor threshold and electric field distribution study. Clinical Neurophysiology, 2014, 125, 336-343.	0.7	70
87	Augmenting antidepressants with deep transcranial magnetic stimulation (DTMS) in treatment-resistant major depression. World Journal of Biological Psychiatry, 2014, 15, 570-578.	1.3	42
88	Deep Repetitive Transcranial Magnetic Stimulation (dTMS) Treatment of Chronic Neuropathic Back Pain: Case Series. Brain Stimulation, 2014, 7, e24.	0.7	0
89	Supra Threshold Deep Repetitive Transcranial Magnetic Stimulation (dTMS): Case Series. Brain Stimulation, 2014, 7, e25.	0.7	0
90	Safety and Characterization of a Novel Multi-channel TMS Stimulator. Brain Stimulation, 2014, 7, 194-205.	0.7	30

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91	Reversal of Motor Symptoms in Parkinsonâ€™s Disease using Deep TMS with the H1 Coil: Longitudinal Case Series. Brain Stimulation, 2014, 7, e25.	0.7	1
92	Efficacy of Deep Transcranial Magnetic Stimulation (dTMS) In Long Standing Multiple Sclerosis (MS) Induced Gait Disorder: Case Report. Brain Stimulation, 2014, 7, e25.	0.7	0
93	Smoking Cessation Induced by Deep Repetitive Transcranial Magnetic Stimulation of the Prefrontal and Insular Cortices: A Prospective, Randomized Controlled Trial. Biological Psychiatry, 2014, 76, 742-749.	0.7	267
94	Deep magnetic stimulation in a progressive supranuclear palsy patient with speech involvement. Journal of Neurology, 2013, 260, 670-673.	1.8	10
95	Commentary on: Deng etÂal., Electric field depthâ€“focality tradeoff in transcranial magnetic stimulation: Simulation comparison of 50 coil designs. Brain Stimulation, 2013, 6, 14-15.	0.7	26
96	Repetitive Deep Transcranial Magnetic Stimulation Improves Verbal Fluency and Written Language in a Patient with Primary Progressive Aphasia-Logopenic Variant (LPPA). Brain Stimulation, 2013, 6, 545-553.	0.7	48
97	Altered Brain-Derived Neurotrophic Factor Expression in the Ventral Tegmental Area, but not in the Hippocampus, Is Essential for Antidepressant-Like Effects of Electroconvulsive Therapy. Biological Psychiatry, 2013, 74, 305-312.	0.7	40
98	Effectiveness of Deep Transcranial Magnetic Stimulation Combined with a Brief Exposure Procedure in Post-Traumatic Stress Disorder â€“ A Pilot Study. Brain Stimulation, 2013, 6, 377-383.	0.7	202
99	Studying Schizophrenia as a Neuroplastic Disorder. Canadian Journal of Psychiatry, 2013, 58, 84-85.	0.9	0
100	Translational Neuromodulation: Approximating Human Transcranial Magnetic Stimulation Protocols in Rats. Neuromodulation, 2012, 15, 296-305.	0.4	34
101	The role of medial prefrontal cortex in theory of mind: A deep rTMS study. Behavioural Brain Research, 2012, 228, 87-90.	1.2	60
102	Deep transcranial magnetic stimulation add-on for the treatment of auditory hallucinations: a double-blind study. Annals of General Psychiatry, 2012, 11, 13.	1.2	20
103	Cue-induced reinstatement of cocaine seeking in the rat â€œconflict modelâ€: Effect of prolonged home-cage confinement. Psychopharmacology, 2012, 219, 875-883.	1.5	27
104	Resilience to Chronic Stress Is Mediated by Hippocampal Brain-Derived Neurotrophic Factor. Journal of Neuroscience, 2011, 31, 4475-4483.	1.7	244
105	Long-Term Effects of Repetitive Transcranial Magnetic Stimulation on Markers for Neuroplasticity: Differential Outcomes in Anesthetized and Awake Animals. Journal of Neuroscience, 2011, 31, 7521-7526.	1.7	252
106	Site-Specific Antidepressant Effects of Repeated Subconvulsive Electrical Stimulation: Potential Role of Brain-Derived Neurotrophic Factor. Biological Psychiatry, 2010, 67, 125-132.	0.7	103
107	Automated behavioral analysis of limbsâ€™ activity in the forced swim test. Journal of Neuroscience Methods, 2009, 180, 82-86.	1.3	21
108	Ageâ€dependent effects of chronic stress on brain plasticity and depressive behavior. Journal of Neurochemistry, 2008, 107, 522-532.	2.1	178

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109	Dissociation between Rewarding and Psychomotor Effects of Opiates: Differential Roles for Glutamate Receptors within Anterior and Posterior Portions of the Ventral Tegmental Area. Journal of Neuroscience, 2008, 28, 8406-8416.	1.7	63
110	Repeated Electrical Stimulation of Reward-Related Brain Regions Affects Cocaine But Not â€œNaturalâ€• Reinforcement. Journal of Neuroscience, 2007, 27, 14179-14189.	1.7	130
111	A conflict rat model of cue-induced relapse to cocaine seeking. Psychopharmacology, 2007, 194, 117-125.	1.5	87
112	A Coil Design for Transcranial Magnetic Stimulation of Deep Brain Regions. Journal of Clinical Neurophysiology, 2002, 19, 361-370.	0.9	277