

# Sarah Hollingsworth Lisanby

## List of Publications by Year in descending order

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286  
papers

25,712  
citations

9264

74  
h-index

7348

152  
g-index

313  
all docs

313  
docs citations

313  
times ranked

16320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. <i>Clinical Neurophysiology</i> , 2009, 120, 2008-2039.	1.5	4,364
2	Daily Left Prefrontal Transcranial Magnetic Stimulation Therapy for Major Depressive Disorder. <i>Archives of General Psychiatry</i> , 2010, 67, 507.	12.3	835
3	Electric field depthâ€“focality tradeoff in transcranial magnetic stimulation: Simulation comparison of 50 coil designs. <i>Brain Stimulation</i> , 2013, 6, 1-13.	1.6	771
4	A Prospective, Randomized, Double-blind Comparison of Bilateral and Right Unilateral Electroconvulsive Therapy at Different Stimulus Intensities. <i>Archives of General Psychiatry</i> , 2000, 57, 425.	12.3	718
5	Lateral prefrontal cortex and self-control in intertemporal choice. <i>Nature Neuroscience</i> , 2010, 13, 538-539.	14.8	567
6	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306.	1.5	553
7	Therapeutic application of repetitive transcranial magnetic stimulation: a review. <i>Clinical Neurophysiology</i> , 2001, 112, 1367-1377.	1.5	548
8	Parietal cortex and representation of the mental Self. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6827-6832.	7.1	510
9	Transcranial Magnetic Stimulation. <i>Archives of General Psychiatry</i> , 1999, 56, 300.	12.3	452
10	Effects of pulse width and electrode placement on the efficacy and cognitive effects of electroconvulsive therapy. <i>Brain Stimulation</i> , 2008, 1, 71-83.	1.6	449
11	Neuropsychiatric applications of transcranial magnetic stimulation: a meta analysis. <i>International Journal of Neuropsychopharmacology</i> , 2002, 5, 73-103.	2.1	427
12	Electroconvulsive Therapy for Depression. <i>New England Journal of Medicine</i> , 2007, 357, 1939-1945.	27.0	426
13	Antidepressant-Induced Neurogenesis in the Hippocampus of Adult Nonhuman Primates. <i>Journal of Neuroscience</i> , 2007, 27, 4894-4901.	3.6	401
14	Vagus nerve stimulation: a new tool for brain research and therapyâ€“. <i>Biological Psychiatry</i> , 2000, 47, 287-295.	1.3	389
15	Consensus Recommendations for the Clinical Application of Repetitive Transcranial Magnetic Stimulation (rTMS) in the Treatment of Depression. <i>Journal of Clinical Psychiatry</i> , 2018, 79, 35-48.	2.2	388
16	Enhancement of human cognitive performance using transcranial magnetic stimulation (TMS). <i>NeuroImage</i> , 2014, 85, 961-970.	4.2	383
17	Sham TMS: intracerebral measurement of the induced electrical field and the induction of motor-evoked potentials. <i>Biological Psychiatry</i> , 2001, 49, 460-463.	1.3	382
18	Subcallosal cingulate deep brain stimulation for treatment-resistant depression: a multisite, randomised, sham-controlled trial. <i>Lancet Psychiatry</i> , 2017, 4, 839-849.	7.4	382

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19	Fundamentals of transcranial electric and magnetic stimulation dose: Definition, selection, and reporting practices. <i>Brain Stimulation</i> , 2012, 5, 435-453.	1.6	339
20	Two-Year Outcome of Vagus Nerve Stimulation (VNS) for Treatment of Major Depressive Episodes. <i>Journal of Clinical Psychiatry</i> , 2005, 66, 1097-1104.	2.2	323
21	Elevated Prefrontal Cortex $\hat{I}^3$ -Aminobutyric Acid and Glutamate-Glutamine Levels in Schizophrenia Measured In Vivo With Proton Magnetic Resonance Spectroscopy. <i>Archives of General Psychiatry</i> , 2012, 69, 449.	12.3	294
22	Efficacy and safety of deep transcranial magnetic stimulation for major depression: a prospective multicenter randomized controlled trial. <i>World Psychiatry</i> , 2015, 14, 64-73.	10.4	293
23	The Effects of Electroconvulsive Therapy on Memory of Autobiographical and Public Events. <i>Archives of General Psychiatry</i> , 2000, 57, 581-590.	12.3	278
24	Repetitive transcranial magnetic stimulation (rTMS) in the treatment of obsessive-compulsive disorder (OCD) and Tourette's syndrome (TS). <i>International Journal of Neuropsychopharmacology</i> , 2006, 9, 95.	2.1	275
25	Daily Left Prefrontal Repetitive Transcranial Magnetic Stimulation in the Acute Treatment of Major Depression: Clinical Predictors of Outcome in a Multisite, Randomized Controlled Clinical Trial. <i>Neuropsychopharmacology</i> , 2009, 34, 522-534.	5.4	272
26	Vagus nerve stimulation (VNS) for major depressive episodes: one year outcomes. <i>Biological Psychiatry</i> , 2002, 51, 280-287.	1.3	262
27	Safety and Feasibility of Magnetic Seizure Therapy (MST) in Major Depression: Randomized Within-Subject Comparison with Electroconvulsive Therapy. <i>Neuropsychopharmacology</i> , 2003, 28, 1852-1865.	5.4	236
28	Coil design considerations for deep transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2014, 125, 1202-1212.	1.5	222
29	Randomized sham-controlled trial of repetitive transcranial magnetic stimulation in treatment-resistant obsessive-compulsive disorder. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 217.	2.1	217
30	Transcranial Magnetic Stimulation in the Treatment of Major Depressive Disorder. <i>Journal of Clinical Psychiatry</i> , 2008, 69, 222-232.	2.2	194
31	A Novel Strategy for Continuation ECT in Geriatric Depression: Phase 2 of the PRIDE Study. <i>American Journal of Psychiatry</i> , 2016, 173, 1110-1118.	7.2	190
32	Right Unilateral Ultrabrief Pulse ECT in Geriatric Depression: Phase 1 of the PRIDE Study. <i>American Journal of Psychiatry</i> , 2016, 173, 1101-1109.	7.2	182
33	Magnetic Seizure Therapy of Major Depression. <i>Archives of General Psychiatry</i> , 2001, 58, 303.	12.3	178
34	Evidence for Impaired Cortical Inhibition in Patients with Unipolar Major Depression. <i>Biological Psychiatry</i> , 2006, 59, 395-400.	1.3	178
35	Electroconvulsive Therapy Stimulus Parameters. <i>Journal of ECT</i> , 2010, 26, 159-174.	0.6	163
36	Electric field strength and focality in electroconvulsive therapy and magnetic seizure therapy: a finite element simulation study. <i>Journal of Neural Engineering</i> , 2011, 8, 016007.	3.5	152

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37	GABA level, gamma oscillation, and working memory performance in schizophrenia. <i>NeuroImage: Clinical</i> , 2014, 4, 531-539.	2.7	151
38	International randomized-controlled trial of transcranial Direct Current Stimulation in depression. <i>Brain Stimulation</i> , 2018, 11, 125-133.	1.6	151
39	ECT in bipolar and unipolar depression: differences in speed of response. <i>Bipolar Disorders</i> , 2001, 3, 95-104.	1.9	147
40	Efficacy and Safety of Low-field Synchronized Transcranial Magnetic Stimulation (sTMS) for Treatment of Major Depression. <i>Brain Stimulation</i> , 2015, 8, 787-794.	1.6	145
41	Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. <i>Brain Stimulation</i> , 2018, 11, 465-480.	1.6	144
42	Facilitation of performance in a working memory task with rTMS stimulation of the precuneus: Frequency- and time-dependent effects. <i>Brain Research</i> , 2007, 1128, 120-129.	2.2	142
43	A Transcranial Magnetic Stimulator Inducing Near-Rectangular Pulses With Controllable Pulse Width (cTMS). <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 257-266.	4.2	142
44	Vagus Nerve Stimulation Therapy Randomized to Different Amounts of Electrical Charge for Treatment-Resistant Depression: Acute and Chronic Effects. <i>Brain Stimulation</i> , 2013, 6, 631-640.	1.6	134
45	Durability of clinical benefit with transcranial magnetic stimulation (TMS) in the treatment of pharmacoresistant major depression: assessment of relapse during a 6-month, multisite, open-label study. <i>Brain Stimulation</i> , 2010, 3, 187-199.	1.6	130
46	A randomized proof-of-mechanism trial applying the "fast-fail" approach to evaluating $\mu$ -opioid antagonism as a treatment for anhedonia. <i>Nature Medicine</i> , 2020, 26, 760-768.	30.7	129
47	Repetitive transcranial magnetic stimulation to SMA worsens complex movements in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2001, 112, 259-264.	1.5	116
48	Pulse width dependence of motor threshold and input-output curve characterized with controllable pulse parameter transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2013, 124, 1364-1372.	1.5	115
49	The Dynamic Duo: Combining noninvasive brain stimulation with cognitive interventions. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 89, 347-360.	4.8	114
50	Magnetic Seizure Therapy Improves Mood in Refractory Major Depression. <i>Neuropsychopharmacology</i> , 2003, 28, 2045-2048.	5.4	111
51	Somatic Treatments for Mood Disorders. <i>Neuropsychopharmacology</i> , 2012, 37, 102-116.	5.4	110
52	Determinants of Seizure Threshold in ECT: Benzodiazepine Use, Anesthetic Dosage, and Other Factors. <i>Journal of ECT</i> , 2000, 16, 3-18.	0.6	107
53	Transcranial Magnetic Stimulation in the Acute Treatment of Major Depressive Disorder. <i>Journal of Clinical Psychiatry</i> , 2008, 69, 441-451.	2.2	105
54	Direct injection of noise to the visual cortex decreases accuracy but increases decision confidence. <i>Journal of Neurophysiology</i> , 2012, 107, 1556-1563.	1.8	104

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55	Deliberate Seizure Induction With Repetitive Transcranial Magnetic Stimulation in Nonhuman Primates. <i>Archives of General Psychiatry</i> , 2001, 58, 199.	12.3	101
56	Applications of TMS to Therapy in Psychiatry. <i>Journal of Clinical Neurophysiology</i> , 2002, 19, 344-360.	1.7	101
57	Regional electric field induced by electroconvulsive therapy in a realistic finite element head model: Influence of white matter anisotropic conductivity. <i>NeuroImage</i> , 2012, 59, 2110-2123.	4.2	98
58	Multifactorial Determinants of the Neurocognitive Effects of Electroconvulsive Therapy. <i>Journal of ECT</i> , 2014, 30, 165-176.	0.6	98
59	Efficacy and acceptability of transcranial direct current stimulation (tDCS) for major depressive disorder: An individual patient data meta-analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 99, 109836.	4.8	96
60	Randomized controlled trial of the cognitive side-effects of magnetic seizure therapy (MST) and electroconvulsive shock (ECS). <i>International Journal of Neuropsychopharmacology</i> , 2006, 9, 1.	2.1	95
61	A magnetic resonance spectroscopic imaging study of adult nonhuman primates exposed to early-life stressors. <i>Biological Psychiatry</i> , 2003, 54, 727-735.	1.3	93
62	Prefrontal rTMS for treating depression: Location and intensity results from the OPT-TMS multi-site clinical trial. <i>Brain Stimulation</i> , 2013, 6, 108-117.	1.6	91
63	Absence of Histological Lesions in Primate Models of ECT and Magnetic Seizure Therapy. <i>American Journal of Psychiatry</i> , 2004, 161, 576-578.	7.2	90
64	Improving the antidepressant efficacy of transcranial magnetic stimulation: maximizing the number of stimulations and treatment location in treatment-resistant depression. <i>Depression and Anxiety</i> , 2011, 28, 973-980.	4.1	88
65	Animal models of the mechanisms of action of repetitive transcranial magnetic stimulation (RTMS): Comparisons with electroconvulsive shock (ECS). <i>Depression and Anxiety</i> , 2000, 12, 178-187.	4.1	87
66	Transcranial Magnetic Stimulation: A Neuroscientific Probe of Cortical Function in Schizophrenia. <i>Biological Psychiatry</i> , 2011, 70, 19-27.	1.3	86
67	Remediation of Sleep-Deprivation-Induced Working Memory Impairment with fMRI-Guided Transcranial Magnetic Stimulation. <i>Cerebral Cortex</i> , 2008, 18, 2077-2085.	2.9	85
68	Quick recovery of orientation after magnetic seizure therapy for major depressive disorder. <i>British Journal of Psychiatry</i> , 2008, 193, 152-155.	2.8	85
69	Repetitive Transcranial Magnetic Stimulation of the Supplementary Motor Area in the treatment of Tourette Syndrome: Report of two cases. <i>Clinical Neurophysiology</i> , 2007, 118, 2314-2315.	1.5	84
70	Effects of online repetitive transcranial magnetic stimulation (rTMS) on cognitive processing: A meta-analysis and recommendations for future studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 47-58.	6.1	83
71	Anesthetic Considerations for Magnetic Seizure Therapy: A Novel Therapy for Severe Depression. <i>Anesthesia and Analgesia</i> , 2006, 103, 76-80.	2.2	82
72	Modulation of motor cortex excitability in obsessive-compulsive disorder: An exploratory study on the relations of neurophysiology measures with clinical outcome. <i>Psychiatry Research</i> , 2013, 210, 1026-1032.	3.3	82

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73	Randomized sham controlled trial of repetitive transcranial magnetic stimulation to the dorsolateral prefrontal cortex for the treatment of panic disorder with comorbid major depression. <i>Journal of Affective Disorders</i> , 2013, 144, 153-159.	4.1	81
74	ECT in the Treatment of Status Epilepticus. <i>Journal of ECT</i> , 2001, 17, 210-215.	0.6	78
75	Repetitive transcranial magnetic stimulator with controllable pulse parameters. <i>Journal of Neural Engineering</i> , 2011, 8, 036016.	3.5	78
76	Skilled Bimanual Training Drives Motor Cortex Plasticity in Children With Unilateral Cerebral Palsy. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 834-844.	2.9	78
77	Using neuroimaging to individualize TMS treatment for depression: Toward a new paradigm for imaging-guided intervention. <i>NeuroImage</i> , 2017, 148, 1-7.	4.2	78
78	Update on Magnetic Seizure Therapy: A Novel Form of Convulsive Therapy. <i>Journal of ECT</i> , 2002, 18, 182-188.	0.6	76
79	VAGUS NERVE STIMULATION. <i>Psychiatric Clinics of North America</i> , 2000, 23, 757-783.	1.3	70
80	Determination of motor threshold using visual observation overestimates transcranial magnetic stimulation dosage: Safety implications. <i>Clinical Neurophysiology</i> , 2014, 125, 142-147.	1.5	70
81	Transcranial magnetic stimulation: applications in basic neuroscience and neuropsychopharmacology. <i>International Journal of Neuropsychopharmacology</i> , 2000, 3, 259-273.	2.1	69
82	Electroconvulsive therapy and repetitive transcranial magnetic stimulation in children and adolescents: a review and report of two cases of epilepsy partialis continua. <i>Child and Adolescent Psychiatric Clinics of North America</i> , 2005, 14, 193-210.	1.9	67
83	A Feasibility Study of a New Method for Electrically Producing Seizures in Man: Focal Electrically Administered Seizure Therapy [FEAST]. <i>Brain Stimulation</i> , 2013, 6, 403-408.	1.6	67
84	A Novel Model Incorporating Two Variability Sources for Describing Motor Evoked Potentials. <i>Brain Stimulation</i> , 2014, 7, 541-552.	1.6	67
85	Transcranial magnetic stimulation differentially affects speed and direction judgments. <i>Experimental Brain Research</i> , 2001, 140, 397-406.	1.5	66
86	Neocortical and hippocampal neuron and glial cell numbers in the rhesus monkey. <i>Anatomical Record</i> , 2007, 290, 330-340.	1.4	65
87	Comparison of electric field strength and spatial distribution of electroconvulsive therapy and magnetic seizure therapy in a realistic human head model. <i>European Psychiatry</i> , 2016, 36, 55-64.	0.2	65
88	Repetitive Transcranial Magnetic Stimulation (rTMS) in the treatment of Panic Disorder (PD) with comorbid major depression. <i>Journal of Affective Disorders</i> , 2007, 102, 277-280.	4.1	64
89	Differential Effects of High-Dose Magnetic Seizure Therapy and Electroconvulsive Shock on Cognitive Function. <i>Biological Psychiatry</i> , 2008, 63, 1163-1170.	1.3	64
90	Focal Electrically Administered Seizure Therapy: A Novel form of ECT Illustrates the Roles of Current Directionality, Polarity, and Electrode Configuration in Seizure Induction. <i>Neuropsychopharmacology</i> , 2009, 34, 2002-2010.	5.4	64

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91	Randomized Sham Controlled Double-blind Trial of Repetitive Transcranial Magnetic Stimulation for Adults With Severe Tourette Syndrome. <i>Brain Stimulation</i> , 2015, 8, 574-581.	1.6	63
92	The State of the NIH BRAIN Initiative. <i>Journal of Neuroscience</i> , 2018, 38, 6427-6438.	3.6	62
93	Enhancement of Neuromodulation with Novel Pulse Shapes Generated by Controllable Pulse Parameter Transcranial Magnetic Stimulation. <i>Brain Stimulation</i> , 2016, 9, 39-47.	1.6	61
94	Extended Remediation of Sleep Deprived-Induced Working Memory Deficits Using fMRI-guided Transcranial Magnetic Stimulation. <i>Sleep</i> , 2013, 36, 857-871.	1.1	57
95	Ethical Challenges of Risk, Informed Consent, and Posttrial Responsibilities in Human Research With Neural Devices. <i>JAMA Neurology</i> , 2019, 76, 1506.	9.0	55
96	International Society for Transcranial Stimulation Consensus Statement: Managing the Risks of Repetitive Transcranial Stimulation. <i>CNS Spectrums</i> , 2003, 8, 489-489.	1.2	53
97	Toward Individualized Post-Electroconvulsive Therapy Care. <i>Journal of ECT</i> , 2008, 24, 179-182.	0.6	53
98	The first implementation of the NIMH FAST-FAIL approach to psychiatric drug development. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 82-84.	46.4	52
99	Transcranial magnetic stimulation. <i>Neurosurgery Clinics of North America</i> , 2003, 14, 283-301.	1.7	51
100	Selective kappa-opioid antagonism ameliorates anhedonic behavior: evidence from the Fast-fail Trial in Mood and Anxiety Spectrum Disorders (FAST-MAS). <i>Neuropsychopharmacology</i> , 2020, 45, 1656-1663.	5.4	50
101	New Developments in Electroconvulsive Therapy and Magnetic Seizure Therapy. <i>CNS Spectrums</i> , 2003, 8, 529-536.	1.2	49
102	Self-specific processing in the default network: a single-pulse TMS study. <i>Experimental Brain Research</i> , 2010, 207, 27-38.	1.5	49
103	Chapter 9 Neurophysiological characterization of magnetic seizure therapy (MST) in non-human primates. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 81-99.	2.1	48
104	LONG-TERM EFFICACY OF REPEATED DAILY PREFRONTAL TRANSCRANIAL MAGNETIC STIMULATION (TMS) IN TREATMENT-RESISTANT DEPRESSION. <i>Depression and Anxiety</i> , 2012, 29, 883-890.	4.1	48
105	The ethics of research on deep brain stimulation for depression: decisional capacity and therapeutic misconception. <i>Annals of the New York Academy of Sciences</i> , 2012, 1265, 69-79.	3.8	47
106	Frequency-specific neuromodulation of local and distant connectivity in aging and episodic memory function. <i>Human Brain Mapping</i> , 2017, 38, 5987-6004.	3.6	47
107	Online repetitive transcranial magnetic stimulation during working memory in younger and older adults: A randomized within-subject comparison. <i>PLoS ONE</i> , 2019, 14, e0213707.	2.5	45
108	Effect of Anatomical Variability on Electric Field Characteristics of Electroconvulsive Therapy and Magnetic Seizure Therapy: A Parametric Modeling Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 22-31.	4.9	44

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109	The Relative Efficiency of Altering Pulse Frequency or Train Duration When Determining Seizure Threshold. <i>Journal of ECT</i> , 1998, 14, 227-235.	0.6	42
110	Temporo-parietal junction stimulation in the treatment of depersonalization disorder. <i>Psychiatry Research</i> , 2011, 186, 138-140.	3.3	42
111	Electric Field Model of Transcranial Electric Stimulation in Nonhuman Primates: Correspondence to Individual Motor Threshold. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2095-2105.	4.2	42
112	Optimization of Golgi methods for impregnation of brain tissue from humans and monkeys. <i>Journal of Neuroscience Methods</i> , 2003, 131, 1-7.	2.5	41
113	Coil design considerations for deep-brain transcranial magnetic stimulation (dTMS). , 2008, 2008, 5675-9.		41
114	Noninvasive brain stimulation in the detection of deception: Scientific challenges and ethical consequences. <i>Behavioral Sciences and the Law</i> , 2009, 27, 191-208.	0.8	40
115	Corticomotor Excitability during Observation and Imagination of a Work of Art. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 79.	2.0	40
116	Translational development strategy for magnetic seizure therapy. <i>Experimental Neurology</i> , 2009, 219, 27-35.	4.1	39
117	Unaltered neuronal and glial counts in animal models of magnetic seizure therapy and electroconvulsive therapy. <i>Neuroscience</i> , 2009, 164, 1557-1564.	2.3	39
118	Self-enhancement processing in the default network: a single-pulse TMS study. <i>Experimental Brain Research</i> , 2012, 223, 177-187.	1.5	38
119	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021, 132, 819-837.	1.5	38
120	Decreasing procedural pain over time of left prefrontal rTMS for depression: Initial results from the open-label phase of a multisite trial (OPT-TMS). <i>Brain Stimulation</i> , 2009, 2, 88-92.	1.6	37
121	Cortical excitability in cocaine-dependent patients: a replication and extension of TMS findings. <i>Journal of Psychiatric Research</i> , 2005, 39, 295-302.	3.1	36
122	A generalized workflow for conducting electric field-optimized, fMRI-guided, transcranial magnetic stimulation. <i>Nature Protocols</i> , 2020, 15, 3595-3614.	12.0	36
123	Improvement in Quality of Life With Left Prefrontal Transcranial Magnetic Stimulation in Patients With Pharmacoresistant Major Depression: Acute and Six Month Outcomes. <i>Brain Stimulation</i> , 2014, 7, 219-225.	1.6	35
124	Participants' Perceptions of Deep Brain Stimulation Research for Treatment-Resistant Depression: Risks, Benefits, and Therapeutic Misconception. <i>American Journal of Bioethics Primary Research</i> , 2011, 2, 33-41.	1.5	34
125	rTMS strategies for the study and treatment of schizophrenia: a review. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 563-76.	2.1	33
126	The Painfulness of Active, but not Sham, Transcranial Magnetic Stimulation Decreases Rapidly Over Time: Results From the Double-Blind Phase of the OPT-TMS Trial. <i>Brain Stimulation</i> , 2013, 6, 925-928.	1.6	33



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127	Individualized Low-Amplitude Seizure Therapy: Minimizing Current for Electroconvulsive Therapy and Magnetic Seizure Therapy. <i>Neuropsychopharmacology</i> , 2015, 40, 2076-2084.	5.4	33
128	Using diffusion tensor imaging to identify corticospinal tract projection patterns in children with unilateral spastic cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 65-71.	2.1	33
129	The Efficacy of Acute Electroconvulsive Therapy in Atypical Depression. <i>Journal of Clinical Psychiatry</i> , 2008, 69, 406-411.	2.2	33
130	Elevated motor threshold in drug-free, cocaine-dependent patients assessed with transcranial magnetic stimulation. <i>Biological Psychiatry</i> , 2001, 49, 369-373.	1.3	32
131	Neuropathologic Examination After 91 ECT Treatments in a 92-Year-Old Woman With Late-Onset Depression. <i>Journal of ECT</i> , 2007, 23, 96-98.	0.6	32
132	Effects of electroconvulsive therapy on plasma vasopressin and oxytocin. <i>Biological Psychiatry</i> , 1998, 44, 610-616.	1.3	31
133	Controlling Stimulation Strength and Focality in Electroconvulsive Therapy via Current Amplitude and Electrode Size and Spacing. <i>Journal of ECT</i> , 2013, 29, 321-331.	0.6	31
134	333. Intracerebral measurement of rTMS and ECS induced voltage in vivo. <i>Biological Psychiatry</i> , 1998, 43, S100.	1.3	29
135	Functional Magnetic Resonance Imaging Guided Transcranial Magnetic Stimulation in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2010, 67, e39-e40.	1.3	29
136	Noninvasive Brain Stimulation for Depression – The Devil Is in the Dosing. <i>New England Journal of Medicine</i> , 2017, 376, 2593-2594.	27.0	29
137	Effects of continuation electroconvulsive therapy on quality of life in elderly depressed patients: A randomized clinical trial. <i>Journal of Psychiatric Research</i> , 2018, 97, 65-69.	3.1	29
138	Device-Based Modulation of Neurocircuits as a Therapeutic for Psychiatric Disorders. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 591-614.	9.4	29
139	Applications of transcranial magnetic stimulation and magnetic seizure therapy in the study and treatment of disorders related to cerebral aging. <i>Dialogues in Clinical Neuroscience</i> , 2013, 15, 87-98.	3.7	29
140	A Primate Model of Anterograde and Retrograde Amnesia Produced by Convulsive Treatment. <i>Journal of ECT</i> , 2004, 20, 26-36.	0.6	28
141	Neurocognitive Effects of Combined Electroconvulsive Therapy (ECT) and Venlafaxine in Geriatric Depression: Phase 1 of the PRIDE Study. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 304-316.	1.2	28
142	Mechanistic link between right prefrontal cortical activity and anxious arousal revealed using transcranial magnetic stimulation in healthy subjects. <i>Neuropsychopharmacology</i> , 2020, 45, 694-702.	5.4	28
143	Site-Specific Effects of Online rTMS during a Working Memory Task in Healthy Older Adults. <i>Brain Sciences</i> , 2020, 10, 255.	2.3	28
144	Effect of anatomical variability on neural stimulation strength and focality in electroconvulsive therapy (ECT) and magnetic seizure therapy (MST)., 2009, 2009, 682-8.		27

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145	Regional Cerebral Blood Flow and Metabolic Rate in Persistent Lyme Encephalopathy. Archives of General Psychiatry, 2009, 66, 554.	12.3	27
146	Lateralized effects of prefrontal repetitive transcranial magnetic stimulation on emotional working memory. Experimental Brain Research, 2013, 227, 43-52.	1.5	26
147	On the Concurrent Use of Self-System Therapy and Functional Magnetic Resonance Imagingâ€“Guided Transcranial Magnetic Stimulation as Treatment for Depression. Journal of ECT, 2018, 34, 266-273.	0.6	26
148	Accuracy of robotic coil positioning during transcranial magnetic stimulation. Journal of Neural Engineering, 2019, 16, 054003.	3.5	26
149	Low-frequency parietal repetitive transcranial magnetic stimulation reduces fear and anxiety. Translational Psychiatry, 2020, 10, 68.	4.8	26
150	Prolactin response to electroconvulsive therapy: Effects of electrode placement and stimulus dosage. Biological Psychiatry, 1998, 43, 146-155.	1.3	24
151	Impulse Noise of Transcranial Magnetic Stimulation: Measurement, Safety, and Auditory Neuromodulation. Brain Stimulation, 2015, 8, 161-163.	1.6	24
152	Neurocognitive effects of transcranial direct current stimulation (tDCS) in unipolar and bipolar depression: Findings from an international randomized controlled trial. Depression and Anxiety, 2020, 37, 261-272.	4.1	24
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