Donel M Martin

List of Publications by Year
in descending order

115	4,500	101384	114278
papers	citations	36 h-index	63 g-index

128	128	128	4080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transcranial direct current stimulation for depression: 3-week, randomised, sham-controlled trial. British Journal of Psychiatry, 2012, 200, 52-59.	1.7	385
2	A double-blind, sham-controlled trial of transcranial direct current stimulation for the treatment of depression. International Journal of Neuropsychopharmacology, 2010, 13, 61.	1.0	229
3	Use of transcranial direct current stimulation (tDCS) to enhance cognitive training: effect of timing of stimulation. Experimental Brain Research, 2014, 232, 3345-3351.	0.7	203
4	Can transcranial direct current stimulation enhance outcomes from cognitive training? A randomized controlled trial in healthy participants. International Journal of Neuropsychopharmacology, 2013, 16, 1927-1936.	1.0	176
5	Daily transcranial direct current stimulation (tDCS) leads to greater increases in cortical excitability than second daily transcranial direct current stimulation. Brain Stimulation, 2012, 5, 208-213.	0.7	174
6	International randomized-controlled trial of transcranial Direct Current Stimulation in depression. Brain Stimulation, 2018, 11, 125-133.	0.7	151
7	A Systematic Review and Meta-Analysis of Brief Versus Ultrabrief Right Unilateral Electroconvulsive Therapy for Depression. Journal of Clinical Psychiatry, 2015, 76, e1092-e1098.	1.1	150
8	Neuroplasticity in Depressed Individuals Compared with Healthy Controls. Neuropsychopharmacology, 2013, 38, 2101-2108.	2.8	149
9	Focalised stimulation using high definition transcranial direct current stimulation (HD-tDCS) to investigate declarative verbal learning and memory functioning. NeuroImage, 2015, 117, 11-19.	2.1	132
10	Cognitive enhancing effects of rTMS administered to the prefrontal cortex in patients with depression: A systematic review and meta-analysis of individual task effects. Depression and Anxiety, 2017, 34, 1029-1039.	2.0	117
11	Efficacy and acceptability of transcranial direct current stimulation (tDCS) for major depressive disorder: An individual patient data meta-analysis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 99, 109836.	2.5	96
12	Fronto-extracephalic transcranial direct current stimulation as a treatment for major depression: An open-label pilot study. Journal of Affective Disorders, 2011, 134, 459-463.	2.0	94
13	Safety of repeated sessions of transcranial direct current stimulation: A systematic review. Brain Stimulation, 2018, 11, 278-288.	0.7	87
14	Pilot Randomized Controlled Trial of Titrated Subcutaneous Ketamine in Older Patients with Treatment-Resistant Depression. American Journal of Geriatric Psychiatry, 2017, 25, 1199-1209.	0.6	85
15	Avoiding skin burns with transcranial direct current stimulation: preliminary considerations. International Journal of Neuropsychopharmacology, 2011, 14, 425-426.	1.0	81
16	Effects of TDCS dosage on working memory in healthy participants. Brain Stimulation, 2018, 11, 518-527.	0.7	78
17	A systematic review of transcranial electrical stimulation combined with cognitive training. Restorative Neurology and Neuroscience, 2015, 33, 263-278.	0.4	74
18	Continuation transcranial direct current stimulation for the prevention of relapse in major depression. Journal of Affective Disorders, 2013, 144, 274-278.	2.0	71

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19	An investigation of working memory deficits in depression using the n-back task: A systematic review and meta-analysis. Journal of Affective Disorders, 2021, 284, 1-8.	2.0	71
20	Pilot trial of home-administered transcranial direct current stimulation for the treatment of depression. Journal of Affective Disorders, 2019, 252, 475-483.	2.0	70
21	Predicting tDCS treatment outcomes of patients with major depressive disorder using automated EEG classification. Journal of Affective Disorders, 2017, 208, 597-603.	2.0	69
22	Repeated intranasal ketamine for treatment-resistant depression â€“ the way to go? Results from a pilot randomised controlled trial. Journal of Psychopharmacology, 2018, 32, 397-407.	2.0	66
23	Cognitive Effects of Transcranial Direct Current Stimulation in Healthy and Clinical Populations. Journal of ECT, 2018, 34, e25-e35.	0.3	59
24	Change in Mean Frequency of Resting-State Electroencephalography after Transcranial Direct Current Stimulation. Frontiers in Human Neuroscience, 2016, 10, 270.	1.0	57
25	Increase in PAS-induced neuroplasticity after a treatment courseof transcranial direct current stimulation for depression. Journal of Affective Disorders, 2014, 167, 140-147.	2.0	55
26	Hypomania Induction in a Patient With Bipolar II Disorder by Transcranial Direct Current Stimulation (tDCS). Journal of ECT, 2011, 27, 256-258.	0.3	53
27	Testosterone and cognitive function in ageing men: Data from the Florey Adelaide Male Ageing Study (FAMAS). Maturitas, 2007, 57, 182-194.	1.0	51
28	Predicting Retrograde Autobiographical Memory Changes Following Electroconvulsive Therapy: Relationships between Individual, Treatment, and Early Clinical Factors. International Journal of Neuropsychopharmacology, 2015, 18, pyv067.	1.0	51
29	Cognitive effects of transcranial direct current stimulation treatment in patients with major depressive disorder: An individual patient data meta-analysis of randomised, sham-controlled trials. Neuroscience and Biobehavioral Reviews, 2018, 90, 137-145.	2.9	51
30	Combined effect of prefrontal transcranial direct current stimulation and a working memory task on heart rate variability. PLoS ONE, 2017, 12, e0181833.	1.1	49
31	Transcranial direct current stimulation treatment protocols: should stimulus intensity be constant or incremental over multiple sessions?. International Journal of Neuropsychopharmacology, 2013, 16, 13-21.	1.0	48
32	Does Therapeutic Repetitive Transcranial Magnetic Stimulation Cause Cognitive Enhancing Effects in Patients with Neuropsychiatric Conditions? A Systematic Review and Meta-Analysis of Randomised Controlled Trials. Neuropsychology Review, 2016, 26, 295-309.	2.5	47
33	Cognitive function and lifetime features of depression and bipolar disorder in a large population sample: Cross-sectional study of 143,828 UK Biobank participants. European Psychiatry, 2015, 30, 950-958.	0.1	46
34	Neuromodulation Therapies for Geriatric Depression. Current Psychiatry Reports, 2015, 17, 59.	2.1	44
35	The Clinical Alliance and Research in Electroconvulsive Therapy Network. Journal of ECT, 2018, 34, 7-13.	0.3	40
36	Transcranial Direct Current Stimulation in the Acute Depressive Episode. Journal of ECT, 2018, 34, 153-163.	0.3	40

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37	A review of ultrabrief pulse width electroconvulsive therapy. Therapeutic Advances in Chronic Disease, 2012, 3, 69-85.	1.1	39
38	A pilot study of alternative transcranial direct current stimulation electrode montages for the treatment of major depression. Journal of Affective Disorders, 2014, 167, 251-258.	2.0	37
39	Transcranial direct current stimulation (tDCS) for depression: Analysis of response using a three-factor structure of the Montgomeryâ€“Ã…sberg depression rating scale. Journal of Affective Disorders, 2013, 150, 91-95.	2.0	36
40	Effects of High-Definition Transcranial Direct Current Stimulation (HD-tDCS) of the Intraparietal Sulcus and Dorsolateral Prefrontal Cortex on Working Memory and Divided Attention. Frontiers in Integrative Neuroscience, 2018, 12, 64.	1.0	36
41	A Randomized Controlled Trial of Brief and Ultrabrief Pulse Right Unilateral Electroconvulsive Therapy. International Journal of Neuropsychopharmacology, 2015, 18, .	1.0	34
42	A new early cognitive screening measure to detect cognitive side-effects of electroconvulsive therapy?. Journal of Psychiatric Research, 2013, 47, 1967-1974.	1.5	33
43	Modulation of Cortical Activity by Transcranial Direct Current Stimulation in Patients with Affective Disorder. PLoS ONE, 2014, 9, e98503.	1.1	33
44	Computational models of Bitemporal, Bifrontal and Right Unilateral ECT predict differential stimulation of brain regions associated with efficacy and cognitive side effects. European Psychiatry, 2017, 41, 21-29.	0.1	33
45	Clinical pilot study of transcranial direct current stimulation combined with Cognitive Emotional Training for medication resistant depression. Journal of Affective Disorders, 2018, 232, 89-95.	2.0	33
46	Endogenous testosterone levels, mental rotation performance, and constituent abilities in middle-to-older aged men. Hormones and Behavior, 2008, 53, 431-441.	1.0	31
47	Effectiveness of Electroconvulsive Therapy and Associated Cognitive Change in Schizophrenia. Journal of ECT, 2017, 33, 272-277.	0.3	31
48	Development of the Ketamine Side Effect Tool (KSET). Journal of Affective Disorders, 2020, 266, 615-620.	2.0	28
49	A Pilot Double-Blind Randomized Controlled Trial of Cognitive Training Combined with Transcranial Direct Current Stimulation for Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2019, 71, 503-512.	1.2	27
50	Transcranial Direct Current Stimulation Priming of Therapeutic Repetitive Transcranial Magnetic Stimulation. Journal of ECT, 2009, 25, 256-260.	0.3	26
51	Treatment of Major Depressive Disorder by Transcranial Random Noise Stimulation: Case Report of a Novel Treatment. Biological Psychiatry, 2012, 72, e9-e10.	0.7	25
52	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.	2.0	24
53	Transcranial direct current stimulation to enhance cognition in euthymic bipolar disorder. Bipolar Disorders, 2015, 17, 849-858.	1.1	22
54	Clinical Pilot Study and Computational Modeling of Bitemporal Transcranial Direct Current Stimulation, and Safety of Repeated Courses of Treatment, in Major Depression. Journal of ECT, 2015, 31, 226-233.	0.3	20

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55	Gonadal steroids and visuo-spatial abilities in adult males: Implications for generalized age-related cognitive decline. Aging Male, 2007, 10, 17-29.	0.9	19
56	Pre-treatment letter fluency performance predicts antidepressant response to transcranial direct current stimulation. Journal of Affective Disorders, 2016, 203, 130-135.	2.0	19
57	Outcomes in patients with and without capacity in electroconvulsive therapy. Journal of Affective Disorders, 2020, 266, 151-157.	2.0	19
58	Comparative outcomes in electroconvulsive therapy (ECT): A naturalistic comparison between outcomes in psychosis, mania, depression, psychotic depression and catatonia. European Neuropsychopharmacology, 2021, 51, 43-54.	0.3	19
59	The ictal EEG in ECT: A systematic review of the relationships between ictal features, ECT technique, seizure threshold and outcomes. Brain Stimulation, 2020, 13, 1644-1654.	0.7	19
60	Study design and methodology for a multicentre, randomised controlled trial of transcranial direct current stimulation as a treatment for unipolar and bipolar depression. Contemporary Clinical Trials, 2016, 51, 65-71.	0.8	18
61	Effects of COMT, DRD2, BDNF, and APOE Genotypic Variation on Treatment Efficacy and Cognitive Side Effects of Electroconvulsive Therapy. Journal of ECT, 2015, 31, 129-135.	0.3	16
62	A Brief Measure for Assessing Patient Perceptions of Cognitive Side Effects After Electroconvulsive Therapy. Journal of ECT, 2016, 32, 256-261.	0.3	15
63	A Critical Review and Synthesis of Clinical and Neurocognitive Effects of Noninvasive Neuromodulation Antidepressant Therapies. Focus (American Psychiatric Publishing), 2019, 17, 18-29.	0.4	15
64	Chronic neuropathic pain alleviation after transcranial direct current stimulation to the dorsolateral prefrontal cortex. Brain Stimulation, 2009, 2, 149-151.	0.7	14
65	Rotational tunneling studies of methane films adsorbed on MgO: Crossover from two-to-three dimensions?. Physica B: Condensed Matter, 1996, 226, 221-223.	1.3	13
66	Effectiveness and Cognitive Changes With Ultrabrief Right Unilateral and Other Forms of Electroconvulsive Therapy in the Treatment of Mania. Journal of ECT, 2019, 35, 40-43.	0.3	12
67	Neurocognitive subgroups in major depressive disorder.. Neuropsychology, 2020, 34, 726-734.	1.0	12
68	Revisiting Frontoparietal Montage in Electroconvulsive Therapy. Journal of ECT, 2015, 31, e7-e13.	0.3	11
69	Pre-treatment attentional processing speed and antidepressant response to transcranial direct current stimulation: Results from an international randomized controlled trial. Brain Stimulation, 2018, 11, 1282-1290.	0.7	11
70	Assessing neurophysiological changes associated with combined transcranial direct current stimulation and cognitiveâ€emotional training for treatmentâ€resistant depression. European Journal of Neuroscience, 2020, 51, 2119-2133.	1.2	11
71	tDCS effects on task-related activation and working memory performance in traumatic brain injury: A within group randomized controlled trial. Neuropsychological Rehabilitation, 2021, 31, 814-836.	1.0	11
72	Validation of the 10-Item Orientation Questionnaire. Journal of ECT, 2018, 34, 21-25.	0.3	10

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73	Behavioural and neurophysiological differences in working memory function of depressed patients and healthy controls. Journal of Affective Disorders, 2021, 295, 559-568.	2.0	10
74	Could transcranial direct current stimulation have unexpected additional benefits in the treatment of depressed patients?. Expert Review of Neurotherapeutics, 2012, 12, 751-753.	1.4	9
75	Effects of High-Definition Transcranial Direct Current Stimulation and Theta Burst Stimulation for Modulating the Posterior Parietal Cortex. Journal of the International Neuropsychological Society, 2019, 25, 972-984.	1.2	9
76	A Retrospective Study of Cognitive Improvement Following Electroconvulsive Therapy in Schizophrenia Inpatients. Journal of ECT, 2019, 35, 170-177.	0.3	9
77	Comparison of Site Localization Techniques for Brain Stimulation. Journal of ECT, 2019, 35, 127-132.	0.3	9
78	Cognitive effects of brief and ultrabrief pulse bitemporal electroconvulsive therapy: a randomised controlled proof-of-concept trial. Psychological Medicine, 2020, 50, 1121-1128.	2.7	9
79	Effects of the Anaesthetic-ECT time interval and ventilation rate on seizure quality in electroconvulsive therapy: A prospective randomised trial. Brain Stimulation, 2020, 13, 450-456.	0.7	9
80	Transcranial Random Noise Stimulation for the Acute Treatment of Depression: A Randomized Controlled Trial. International Journal of Neuropsychopharmacology, 2020, 23, 146-156.	1.0	9
81	Brief cognitive screening instruments for electroconvulsive therapy: Which one should I use?. Australian and New Zealand Journal of Psychiatry, 2020, 54, 867-873.	1.3	9
82	Digital technology for addressing cognitive impairment in recent-onset psychosis: A perspective. Schizophrenia Research: Cognition, 2022, 28, 100247.	0.7	8
83	The anaesthetic-ECT time interval with thiopentoneâ€"Impact on seizure quality. Journal of Affective Disorders, 2019, 252, 135-140.	2.0	7
84	The left anterior right temporal (LART) placement for electroconvulsive therapy: A computational modelling study. Psychiatry Research - Neuroimaging, 2020, 304, 111157.	0.9	7
85	Free testosterone levels, attentional control, and processing speed performance in aging men.. Neuropsychology, 2009, 23, 158-167.	1.0	6
86	Transcranial Direct Current Stimulation to Enhance Cognitive Remediation in Schizophrenia. Brain Stimulation, 2015, 8, 307-309.	0.7	6
87	The Impact of COVID-19 on Electroconvulsive Therapy. Journal of ECT, 2021, Publish Ahead of Print, .	0.3	6
88	Computational comparison of conventional and novel electroconvulsive therapy electrode placements for the treatment of depression. European Psychiatry, 2019, 60, 71-78.	0.1	5
89	Augmenting Transcranial Direct Current Stimulation With D-Cycloserine for Depression. Journal of ECT, 2013, 29, 196-200.	0.3	4
90	Clinical Research and Methodological Aspects for tDCS Research. , 2016, , 393-404.		4

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91	A systematic review and computational modelling analysis of unilateral montages in electroconvulsive therapy. Acta Psychiatrica Scandinavica, 2019, 140, 408-425.	2.2	4
92	Effects of modifying the electrode placement and pulse width on cognitive side effects with unilateral ECT: A pilot randomised controlled study with computational modelling. Brain Stimulation, 2021, 14, 1489-1497.	0.7	4
93	A Clinical Case Series of Acute and Maintenance Home Administered Transcranial Direct Current Stimulation in Treatment-Resistant Depression. Journal of ECT, 2022, 38, e11-e19.	0.3	4
94	Transcranial Direct Current Stimulation as a Treatment for Depression in the Hemodialysis Setting. Psychosomatics, 2016, 57, 305-309.	2.5	3
95	Response to Rosenman â€˜electroconvulsive therapy stimulus titration: Not all it seemsâ€™. Australian and New Zealand Journal of Psychiatry, 2018, 52, 711-712.	1.3	3
96	Methodological Considerations for Transcranial Direct Current Stimulation in Clinical Trials. , 2019, , 347-377.		3
97	Association of Anaesthesia-ECT time interval with ECT clinical outcomes: A retrospective cohort study. Journal of Affective Disorders, 2021, 285, 58-62.	2.0	3
98	Ketamine treatment for depression: A model of care. Australian and New Zealand Journal of Psychiatry, 2021, 55, 1134-1143.	1.3	3
99	A systematic review and meta-analysis of brief vs ultrabrief right unilateral electroconvulsive therapy for depression. Brain Stimulation, 2015, 8, 310.	0.7	2
100	644. Neurocognitive Effects of Transcranial Direct Current Stimulation (tDCS) in Unipolar and Bipolar Depression: Results from an International Randomized Controlled Trial. Biological Psychiatry, 2017, 81, S261.	0.7	2
101	Finite Element Modelling Framework for Electroconvulsive Therapy and Other Transcranial Stimulations. , 2019, , 27-47.		2
102	A novel approach for targeting the left dorsolateral prefrontal cortex for transcranial magnetic stimulation using a cognitive task. Experimental Brain Research, 2022, 240, 71-80.	0.7	2
103	A Comparison of Computerized Versus Pen-and-Paper Cognitive Tests for Monitoring Electroconvulsive Therapyâ€“Related Cognitive Side Effects. Journal of ECT, 2020, 36, 260-264.	0.3	2
104	The Impact of Electroconvulsive Therapy on Negative Symptoms in Schizophrenia and Their Association with Clinical Outcomes. Brain Sciences, 2022, 12, 545.	1.1	2
105	168. Transcranial Direct Current Stimulation (tDCS) Combined with Computerized Cognitive Training to Enhance Memory in People with Amnestic Mild Cognitive Impairment (aMCI): Preliminary Results from a Pilot Randomized Controlled Trial. Biological Psychiatry, 2017, 81, S69-S70.	0.7	1
106	Special Issue on Transcranial Direct Current Stimulation. Journal of ECT, 2018, 34, 135-136.	0.3	1
107	Methodological Considerations for Selection of Transcranial Direct Current Stimulation Approach, Protocols and Devices. , 2019, , 199-223.		1
108	Clinical Research and Methodological Aspects for tDCS Research. , 2021, , 265-279.		1

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109	The backscattering instrument MUSICAL and test experiments. Journal of Neutron Research, 1996, 5, 89-96.	0.4	0
110	73. Efficacy of Transcranial Direct Current Stimulation in Unipolar and Bipolar Depression: Results from an International Randomized Controlled Trial. Biological Psychiatry, 2017, 81, S30-S31.	0.7	0
111	Commentary on Bennett and Colleagues. Journal of ECT, 2017, 33, 68-68.	0.3	0
112	A response to comments by Dr. Mohammad Alwardat on â€œSafety ofÂrepeated sessions of transcranial direct current stimulation: AÂsystematic reviewâ€• Brain Stimulation, 2018, 11, 938-941.	0.7	0
113	A reply to comments by Lee and colleagues on: Repeated intranasal ketamine for treatment resistant depression â€“ the way to go? Results from a pilot randomised controlled trial. Journal of Psychopharmacology, 2019, 33, 260-261.	2.0	0
114	Transcranial direct current stimulation (tDCS) combined with cognitive emotional training (CET) as a novel treatment for depression. , 2021, , 447-456.		0
115	Causal evidence of the roles of the prefrontal and occipital cortices in modulating the impact of color on moral judgement. Neuropsychologia, 2022, , 108267.	0.7	0