

# Donel M Martin

## List of Publications by Year in descending order

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115  
papers

4,500  
citations

101543

36  
h-index

114465

63  
g-index

128  
all docs

128  
docs citations

128  
times ranked

4080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcranial direct current stimulation for depression: 3-week, randomised, sham-controlled trial. <i>British Journal of Psychiatry</i> , 2012, 200, 52-59.	2.8	385
2	A double-blind, sham-controlled trial of transcranial direct current stimulation for the treatment of depression. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 61.	2.1	229
3	Use of transcranial direct current stimulation (tDCS) to enhance cognitive training: effect of timing of stimulation. <i>Experimental Brain Research</i> , 2014, 232, 3345-3351.	1.5	203
4	Can transcranial direct current stimulation enhance outcomes from cognitive training? A randomized controlled trial in healthy participants. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1927-1936.	2.1	176
5	Daily transcranial direct current stimulation (tDCS) leads to greater increases in cortical excitability than second daily transcranial direct current stimulation. <i>Brain Stimulation</i> , 2012, 5, 208-213.	1.6	174
6	International randomized-controlled trial of transcranial Direct Current Stimulation in depression. <i>Brain Stimulation</i> , 2018, 11, 125-133.	1.6	151
7	A Systematic Review and Meta-Analysis of Brief Versus Ultrabrief Right Unilateral Electroconvulsive Therapy for Depression. <i>Journal of Clinical Psychiatry</i> , 2015, 76, e1092-e1098.	2.2	150
8	Neuroplasticity in Depressed Individuals Compared with Healthy Controls. <i>Neuropsychopharmacology</i> , 2013, 38, 2101-2108.	5.4	149
9	Focalised stimulation using high definition transcranial direct current stimulation (HD-tDCS) to investigate declarative verbal learning and memory functioning. <i>NeuroImage</i> , 2015, 117, 11-19.	4.2	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. <i>Depression and Anxiety</i> , 2017, 34, 1029-1039.	4.1	117
11	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
12	Fronto-extracerebral transcranial direct current stimulation as a treatment for major depression: An open-label pilot study. <i>Journal of Affective Disorders</i> , 2011, 134, 459-463.	4.1	94
13	Safety of repeated sessions of transcranial direct current stimulation: A systematic review. <i>Brain Stimulation</i> , 2018, 11, 278-288.	1.6	87
14	Pilot Randomized Controlled Trial of Titrated Subcutaneous Ketamine in Older Patients with Treatment-Resistant Depression. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 1199-1209.	1.2	85
15	Avoiding skin burns with transcranial direct current stimulation: preliminary considerations. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 425-426.	2.1	81
16	Effects of TDCS dosage on working memory in healthy participants. <i>Brain Stimulation</i> , 2018, 11, 518-527.	1.6	78
17	A systematic review of transcranial electrical stimulation combined with cognitive training. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 263-278.	0.7	74
18	Continuation transcranial direct current stimulation for the prevention of relapse in major depression. <i>Journal of Affective Disorders</i> , 2013, 144, 274-278.	4.1	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. <i>Journal of Affective Disorders</i> , 2021, 284, 1-8.	4.1	71
20	Pilot trial of home-administered transcranial direct current stimulation for the treatment of depression. <i>Journal of Affective Disorders</i> , 2019, 252, 475-483.	4.1	70
21	Predicting tDCS treatment outcomes of patients with major depressive disorder using automated EEG classification. <i>Journal of Affective Disorders</i> , 2017, 208, 597-603.	4.1	69
22	Repeated intranasal ketamine for treatment-resistant depression – the way to go? Results from a pilot randomised controlled trial. <i>Journal of Psychopharmacology</i> , 2018, 32, 397-407.	4.0	66
23	Cognitive Effects of Transcranial Direct Current Stimulation in Healthy and Clinical Populations. <i>Journal of ECT</i> , 2018, 34, e25-e35.	0.6	59
24	Change in Mean Frequency of Resting-State Electroencephalography after Transcranial Direct Current Stimulation. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 270.	2.0	57
25	Increase in PAS-induced neuroplasticity after a treatment course of transcranial direct current stimulation for depression. <i>Journal of Affective Disorders</i> , 2014, 167, 140-147.	4.1	55
26	Hypomania Induction in a Patient With Bipolar II Disorder by Transcranial Direct Current Stimulation (tDCS). <i>Journal of ECT</i> , 2011, 27, 256-258.	0.6	53
27	Testosterone and cognitive function in ageing men: Data from the Florey Adelaide Male Ageing Study (FAMAS). <i>Maturitas</i> , 2007, 57, 182-194.	2.4	51
28	Predicting Retrograde Autobiographical Memory Changes Following Electroconvulsive Therapy: Relationships between Individual, Treatment, and Early Clinical Factors. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv067.	2.1	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. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 137-145.	6.1	51
30	Combined effect of prefrontal transcranial direct current stimulation and a working memory task on heart rate variability. <i>PLoS ONE</i> , 2017, 12, e0181833.	2.5	49
31	Transcranial direct current stimulation treatment protocols: should stimulus intensity be constant or incremental over multiple sessions?. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 13-21.	2.1	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. <i>Neuropsychology Review</i> , 2016, 26, 295-309.	4.9	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. <i>European Psychiatry</i> , 2015, 30, 950-958.	0.2	46
34	Neuromodulation Therapies for Geriatric Depression. <i>Current Psychiatry Reports</i> , 2015, 17, 59.	4.5	44
35	The Clinical Alliance and Research in Electroconvulsive Therapy Network. <i>Journal of ECT</i> , 2018, 34, 7-13.	0.6	40
36	Transcranial Direct Current Stimulation in the Acute Depressive Episode. <i>Journal of ECT</i> , 2018, 34, 153-163.	0.6	40

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37	A review of ultrabrief pulse width electroconvulsive therapy. <i>Therapeutic Advances in Chronic Disease</i> , 2012, 3, 69-85.	2.5	39
38	A pilot study of alternative transcranial direct current stimulation electrode montages for the treatment of major depression. <i>Journal of Affective Disorders</i> , 2014, 167, 251-258.	4.1	37
39	Transcranial direct current stimulation (tDCS) for depression: Analysis of response using a three-factor structure of the Montgomery-Åsberg depression rating scale. <i>Journal of Affective Disorders</i> , 2013, 150, 91-95.	4.1	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. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 64.	2.1	36
41	A Randomized Controlled Trial of Brief and Ultrabrief Pulse Right Unilateral Electroconvulsive Therapy. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, .	2.1	34
42	A new early cognitive screening measure to detect cognitive side-effects of electroconvulsive therapy?. <i>Journal of Psychiatric Research</i> , 2013, 47, 1967-1974.	3.1	33
43	Modulation of Cortical Activity by Transcranial Direct Current Stimulation in Patients with Affective Disorder. <i>PLoS ONE</i> , 2014, 9, e98503.	2.5	33
44	Computational models of Bitemporal, Bifrontal and Right Unilateral ECT predict differential stimulation of brain regions associated with efficacy and cognitive side effects. <i>European Psychiatry</i> , 2017, 41, 21-29.	0.2	33
45	Clinical pilot study of transcranial direct current stimulation combined with Cognitive Emotional Training for medication resistant depression. <i>Journal of Affective Disorders</i> , 2018, 232, 89-95.	4.1	33
46	Endogenous testosterone levels, mental rotation performance, and constituent abilities in middle-to-older aged men. <i>Hormones and Behavior</i> , 2008, 53, 431-441.	2.1	31
47	Effectiveness of Electroconvulsive Therapy and Associated Cognitive Change in Schizophrenia. <i>Journal of ECT</i> , 2017, 33, 272-277.	0.6	31
48	Development of the Ketamine Side Effect Tool (KSET). <i>Journal of Affective Disorders</i> , 2020, 266, 615-620.	4.1	28
49	A Pilot Double-Blind Randomized Controlled Trial of Cognitive Training Combined with Transcranial Direct Current Stimulation for Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 503-512.	2.6	27
50	Transcranial Direct Current Stimulation Priming of Therapeutic Repetitive Transcranial Magnetic Stimulation. <i>Journal of ECT</i> , 2009, 25, 256-260.	0.6	26
51	Treatment of Major Depressive Disorder by Transcranial Random Noise Stimulation: Case Report of a Novel Treatment. <i>Biological Psychiatry</i> , 2012, 72, e9-e10.	1.3	25
52	Neurocognitive effects of transcranial direct current stimulation (tDCS) in unipolar and bipolar depression: Findings from an international randomized controlled trial. <i>Depression and Anxiety</i> , 2020, 37, 261-272.	4.1	24
53	Transcranial direct current stimulation to enhance cognition in euthymic bipolar disorder. <i>Bipolar Disorders</i> , 2015, 17, 849-858.	1.9	22
54	Clinical Pilot Study and Computational Modeling of Bitemporal Transcranial Direct Current Stimulation, and Safety of Repeated Courses of Treatment, in Major Depression. <i>Journal of ECT</i> , 2015, 31, 226-233.	0.6	20

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55	Gonadal steroids and visuo-spatial abilities in adult males: Implications for generalized age-related cognitive decline. <i>Aging Male</i> , 2007, 10, 17-29.	1.9	19
56	Pre-treatment letter fluency performance predicts antidepressant response to transcranial direct current stimulation. <i>Journal of Affective Disorders</i> , 2016, 203, 130-135.	4.1	19
57	Outcomes in patients with and without capacity in electroconvulsive therapy. <i>Journal of Affective Disorders</i> , 2020, 266, 151-157.	4.1	19
58	Comparative outcomes in electroconvulsive therapy (ECT): A naturalistic comparison between outcomes in psychosis, mania, depression, psychotic depression and catatonia. <i>European Neuropsychopharmacology</i> , 2021, 51, 43-54.	0.7	19
59	The ictal EEG in ECT: A systematic review of the relationships between ictal features, ECT technique, seizure threshold and outcomes. <i>Brain Stimulation</i> , 2020, 13, 1644-1654.	1.6	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. <i>Contemporary Clinical Trials</i> , 2016, 51, 65-71.	1.8	18
61	Effects of COMT, DRD2, BDNF, and APOE Genotypic Variation on Treatment Efficacy and Cognitive Side Effects of Electroconvulsive Therapy. <i>Journal of ECT</i> , 2015, 31, 129-135.	0.6	16
62	A Brief Measure for Assessing Patient Perceptions of Cognitive Side Effects After Electroconvulsive Therapy. <i>Journal of ECT</i> , 2016, 32, 256-261.	0.6	15
63	A Critical Review and Synthesis of Clinical and Neurocognitive Effects of Noninvasive Neuromodulation Antidepressant Therapies. <i>Focus (American Psychiatric Publishing)</i> , 2019, 17, 18-29.	0.8	15
64	Chronic neuropathic pain alleviation after transcranial direct current stimulation to the dorsolateral prefrontal cortex. <i>Brain Stimulation</i> , 2009, 2, 149-151.	1.6	14
65	Rotational tunneling studies of methane films adsorbed on MgO: Crossover from two-to-three dimensions?. <i>Physica B: Condensed Matter</i> , 1996, 226, 221-223.	2.7	13
66	Effectiveness and Cognitive Changes With Ultrabrief Right Unilateral and Other Forms of Electroconvulsive Therapy in the Treatment of Mania. <i>Journal of ECT</i> , 2019, 35, 40-43.	0.6	12
67	Neurocognitive subgroups in major depressive disorder.. <i>Neuropsychology</i> , 2020, 34, 726-734.	1.3	12
68	Revisiting Frontoparietal Montage in Electroconvulsive Therapy. <i>Journal of ECT</i> , 2015, 31, e7-e13.	0.6	11
69	Pre-treatment attentional processing speed and antidepressant response to transcranial direct current stimulation: Results from an international randomized controlled trial. <i>Brain Stimulation</i> , 2018, 11, 1282-1290.	1.6	11
70	Assessing neurophysiological changes associated with combined transcranial direct current stimulation and cognitive-emotional training for treatment-resistant depression. <i>European Journal of Neuroscience</i> , 2020, 51, 2119-2133.	2.6	11
71	tDCS effects on task-related activation and working memory performance in traumatic brain injury: A within group randomized controlled trial. <i>Neuropsychological Rehabilitation</i> , 2021, 31, 814-836.	1.6	11
72	Validation of the 10-Item Orientation Questionnaire. <i>Journal of ECT</i> , 2018, 34, 21-25.	0.6	10

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73	Behavioural and neurophysiological differences in working memory function of depressed patients and healthy controls. <i>Journal of Affective Disorders</i> , 2021, 295, 559-568.	4.1	10
74	Could transcranial direct current stimulation have unexpected additional benefits in the treatment of depressed patients?. <i>Expert Review of Neurotherapeutics</i> , 2012, 12, 751-753.	2.8	9
75	Effects of High-Definition Transcranial Direct Current Stimulation and Theta Burst Stimulation for Modulating the Posterior Parietal Cortex. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 972-984.	1.8	9
76	A Retrospective Study of Cognitive Improvement Following Electroconvulsive Therapy in Schizophrenia Inpatients. <i>Journal of ECT</i> , 2019, 35, 170-177.	0.6	9
77	Comparison of Site Localization Techniques for Brain Stimulation. <i>Journal of ECT</i> , 2019, 35, 127-132.	0.6	9
78	Cognitive effects of brief and ultrabrief pulse bitemporal electroconvulsive therapy: a randomised controlled proof-of-concept trial. <i>Psychological Medicine</i> , 2020, 50, 1121-1128.	4.5	9
79	Effects of the Anaesthetic-ECT time interval and ventilation rate on seizure quality in electroconvulsive therapy: A prospective randomised trial. <i>Brain Stimulation</i> , 2020, 13, 450-456.	1.6	9
80	Transcranial Random Noise Stimulation for the Acute Treatment of Depression: A Randomized Controlled Trial. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 146-156.	2.1	9
81	Brief cognitive screening instruments for electroconvulsive therapy: Which one should I use?. <i>Australian and New Zealand Journal of Psychiatry</i> , 2020, 54, 867-873.	2.3	9
82	Digital technology for addressing cognitive impairment in recent-onset psychosis: A perspective. <i>Schizophrenia Research: Cognition</i> , 2022, 28, 100247.	1.3	8
83	The anaesthetic-ECT time interval with thiopentoneâ€™Impact on seizure quality. <i>Journal of Affective Disorders</i> , 2019, 252, 135-140.	4.1	7
84	The left anterior right temporal (LART) placement for electroconvulsive therapy: A computational modelling study. <i>Psychiatry Research - Neuroimaging</i> , 2020, 304, 111157.	1.8	7
85	Free testosterone levels, attentional control, and processing speed performance in aging men.. <i>Neuropsychology</i> , 2009, 23, 158-167.	1.3	6
86	Transcranial Direct Current Stimulation to Enhance Cognitive Remediation in Schizophrenia. <i>Brain Stimulation</i> , 2015, 8, 307-309.	1.6	6
87	The Impact of COVID-19 on Electroconvulsive Therapy. <i>Journal of ECT</i> , 2021, Publish Ahead of Print, .	0.6	6
88	Computational comparison of conventional and novel electroconvulsive therapy electrode placements for the treatment of depression. <i>European Psychiatry</i> , 2019, 60, 71-78.	0.2	5
89	Augmenting Transcranial Direct Current Stimulation With D-Cycloserine for Depression. <i>Journal of ECT</i> , 2013, 29, 196-200.	0.6	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. <i>Acta Psychiatrica Scandinavica</i> , 2019, 140, 408-425.	4.5	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. <i>Brain Stimulation</i> , 2021, 14, 1489-1497.	1.6	4
93	A Clinical Case Series of Acute and Maintenance Home Administered Transcranial Direct Current Stimulation in Treatment-Resistant Depression. <i>Journal of ECT</i> , 2022, 38, e11-e19.	0.6	4
94	Transcranial Direct Current Stimulation as a Treatment for Depression in the Hemodialysis Setting. <i>Psychosomatics</i> , 2016, 57, 305-309.	2.5	3
95	Response to Rosenman's electroconvulsive therapy stimulus titration: Not all it seems to be. <i>Australian and New Zealand Journal of Psychiatry</i> , 2018, 52, 711-712.	2.3	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. <i>Journal of Affective Disorders</i> , 2021, 285, 58-62.	4.1	3
98	Ketamine treatment for depression: A model of care. <i>Australian and New Zealand Journal of Psychiatry</i> , 2021, 55, 1134-1143.	2.3	3
99	A systematic review and meta-analysis of brief vs ultrabrief right unilateral electroconvulsive therapy for depression. <i>Brain Stimulation</i> , 2015, 8, 310.	1.6	2
100	644. Neurocognitive Effects of Transcranial Direct Current Stimulation (tDCS) in Unipolar and Bipolar Depression: Results from an International Randomized Controlled Trial. <i>Biological Psychiatry</i> , 2017, 81, S261.	1.3	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. <i>Experimental Brain Research</i> , 2022, 240, 71-80.	1.5	2
103	A Comparison of Computerized Versus Pen-and-Paper Cognitive Tests for Monitoring Electroconvulsive Therapy-Related Cognitive Side Effects. <i>Journal of ECT</i> , 2020, 36, 260-264.	0.6	2
104	The Impact of Electroconvulsive Therapy on Negative Symptoms in Schizophrenia and Their Association with Clinical Outcomes. <i>Brain Sciences</i> , 2022, 12, 545.	2.3	2
105	168. Transcranial Direct Current Stimulation (tDCS) Combined with Computerized Cognitive Training to Enhance Memory in People with Amnesic Mild Cognitive Impairment (aMCI): Preliminary Results from a Pilot Randomized Controlled Trial. <i>Biological Psychiatry</i> , 2017, 81, S69-S70.	1.3	1
106	Special Issue on Transcranial Direct Current Stimulation. <i>Journal of ECT</i> , 2018, 34, 135-136.	0.6	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.	1.1	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.	1.3	0
111	Commentary on Bennett and Colleagues. Journal of ECT, 2017, 33, 68-68.	0.6	0
112	A response to comments by Dr. Mohammad Alwardat on "Safety of repeated sessions of transcranial direct current stimulation: A systematic review". Brain Stimulation, 2018, 11, 938-941.	1.6	0
113	A reply to comments by Lee and colleagues on: Repeated intranasal ketamine for treatment resistant depression "the way to go? Results from a pilot randomised controlled trial. Journal of Psychopharmacology, 2019, 33, 260-261.	4.0	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.	1.6	0