

# Andrea Antal

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

15,904  
citations

57758

44  
h-index

51608

86  
g-index

91  
all docs

91  
docs citations

91  
times ranked

10058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward noninvasive brain stimulation 2.0 in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2022, 75, 101555.	10.9	37
2	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
3	Basic Mechanisms of Transcranial Alternating Current and Random Noise Stimulation. , 2021, , 21-28.		1
4	Central nervous system physiology. <i>Clinical Neurophysiology</i> , 2021, 132, 3043-3083.	1.5	12
5	Transorbital alternating current stimulation modifies BOLD activity in healthy subjects and in a stroke patient with hemianopia: A 7 Tesla fMRI feasibility study. <i>International Journal of Psychophysiology</i> , 2020, 154, 80-92.	1.0	21
6	Medial prefrontal cortex involvement in aesthetic appreciation of paintings: a tDCS study. <i>Cognitive Processing</i> , 2020, 21, 65-76.	1.4	8
7	Transcranial Magnetic and Direct Current Stimulation in the Treatment of Depression: Basic Mechanisms and Challenges of Two Commonly Used Brain Stimulation Methods in Interventional Psychiatry. <i>Neuropsychobiology</i> , 2020, 79, 397-407.	1.9	16
8	Low Intensity, Transcranial, Alternating Current Stimulation Reduces Migraine Attack Burden in a Home Application Set-Up: A Double-Blinded, Randomized Feasibility Study. <i>Brain Sciences</i> , 2020, 10, 888.	2.3	10
9	Reply to "The role of primary visual cortex after transorbital alternating current stimulation in low vision patients" <i>Clinical Neurophysiology</i> , 2020, 131, 2329-2330.	1.5	1
10	Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. <i>Brain Stimulation</i> , 2020, 13, 1124-1149.	1.6	78
11	Vision modulation, plasticity and restoration using non-invasive brain stimulation " An IFCN-sponsored review. <i>Clinical Neurophysiology</i> , 2020, 131, 887-911.	1.5	48
12	<sup>1,3</sup> Cross-Frequency Transcranial Alternating Current Stimulation over the Trough Impairs Cognitive Control. <i>ENeuro</i> , 2020, 7, ENEURO.0126-20.2020.	1.9	22
13	Reversibility of visual field defects through induction of brain plasticity: vision restoration, recovery and rehabilitation using alternating current stimulation. <i>Neural Regeneration Research</i> , 2020, 15, 1799.	3.0	11
14	Transcranial Direct Current Stimulation in the Treatment of Facial Pain. <i>Progress in Neurological Surgery</i> , 2020, 35, 116-124.	1.3	3
15	Transcranial electrical stimulation nomenclature. <i>Brain Stimulation</i> , 2019, 12, 1349-1366.	1.6	84
16	Modulation of Conflict Processing by Theta-Range tACS over the Dorsolateral Prefrontal Cortex. <i>Neural Plasticity</i> , 2019, 2019, 1-13.	2.2	21
17	Blinding is compromised for transcranial direct current stimulation at 1 mA for 20 min in young healthy adults. <i>European Journal of Neuroscience</i> , 2019, 50, 3261-3268.	2.6	70
18	Personalized repetitive transcranial magnetic stimulation temporarily alters default mode network in healthy subjects. <i>Scientific Reports</i> , 2019, 9, 5631.	3.3	23

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19	Perturbation of theta-gamma coupling at the temporal lobe hinders verbal declarative memory. <i>Brain Stimulation</i> , 2018, 11, 509-517.	1.6	45
20	Physiology of Transcranial Direct Current Stimulation. <i>Journal of ECT</i> , 2018, 34, 144-152.	0.6	268
21	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 589-603.	1.5	275
22	Placebo Intervention Enhances Reward Learning in Healthy Individuals. <i>Scientific Reports</i> , 2017, 7, 41028.	3.3	15
23	Letter to the editor: A late response from a female scientist to Hoy, "gender imbalance at brain stimulation conferences: We have a problem and it is Everyone's problem". <i>Brain Stimulation</i> , 2017, 10, 855.	1.6	3
24	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 2318-2329.	1.5	276
25	New Results on Brain Stimulation in Chronic Pain. <i>Neurology International Open</i> , 2017, 01, E312-E315.	0.4	3
26	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). <i>Clinical Neurophysiology</i> , 2017, 128, 56-92.	1.5	1,213
27	5 kHz Transcranial Alternating Current Stimulation: Lack of Cortical Excitability Changes When Grouped in a Theta Burst Pattern. <i>Frontiers in Human Neuroscience</i> , 2017, 10, 683.	2.0	14
28	Anodal tDCS Over the Left DLPFC Did Not Affect the Encoding and Retrieval of Verbal Declarative Information. <i>Frontiers in Neuroscience</i> , 2017, 11, 452.	2.8	20
29	Portable qEEG and HD-tCS Device for Point-of-Injury Traumatic Brain Injury Diagnostics. <i>Studies in Health Technology and Informatics</i> , 2017, 237, 198-203.	0.3	0
30	Transcranial Alternating Current and Random Noise Stimulation: Possible Mechanisms. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	2.2	241
31	Counteracting Fatigue in Multiple Sclerosis with Right Parietal Anodal Transcranial Direct Current Stimulation. <i>Frontiers in Neurology</i> , 2016, 7, 154.	2.4	41
32	Spatial Working Memory in Humans Depends on Theta and High Gamma Synchronization in the Prefrontal Cortex. <i>Current Biology</i> , 2016, 26, 1513-1521.	3.9	241
33	Monitoring transcranial direct current stimulation induced changes in cortical excitability during the serial reaction time task. <i>Neuroscience Letters</i> , 2016, 616, 98-104.	2.1	24
34	Transcranial electrical stimulation of the occipital cortex during visual perception modifies the magnitude of BOLD activity: A combined tES-fMRI approach. <i>NeuroImage</i> , 2016, 140, 110-117.	4.2	45
35	Alternating Current Stimulation for Vision Restoration after Optic Nerve Damage: A Randomized Clinical Trial. <i>PLoS ONE</i> , 2016, 11, e0156134.	2.5	99
36	The role of the occipital face area in holistic processing involved in face detection and discrimination: A tDCS study. <i>Neuropsychology</i> , 2015, 29, 409-416.	1.3	28

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37	Transcranial random noise stimulation-induced plasticity is NMDA-receptor independent but sodium-channel blocker and benzodiazepines sensitive. <i>Frontiers in Neuroscience</i> , 2015, 9, 125.	2.8	90
38	Neuroplastic effects of transcranial near-infrared stimulation (tNIRS) on the motor cortex. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 147.	2.0	20
39	Bi-frontal transcranial alternating current stimulation in the ripple range reduced overnight forgetting. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 374.	3.7	19
40	Separating Recognition Processes of Declarative Memory via Anodal tDCS: Boosting Old Item Recognition by Temporal and New Item Detection by Parietal Stimulation. <i>PLoS ONE</i> , 2015, 10, e0123085.	2.5	31
41	Prophylactic treatment in menstrual migraine: A proof-of-concept study. <i>Journal of the Neurological Sciences</i> , 2015, 354, 103-109.	0.6	38
42	Right Hemisphere Advantage in Statistical Learning: Evidence From a Probabilistic Sequence Learning Task. <i>Brain Stimulation</i> , 2015, 8, 277-282.	1.6	40
43	Transcranial direct current stimulation over the left prefrontal cortex increases randomness of choice in instrumental learning. <i>Cortex</i> , 2015, 63, 145-154.	2.4	17
44	Increasing human leg motor cortex excitability by transcranial high frequency random noise stimulation. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 403-410.	0.7	32
45	Impact of transcranial direct current stimulation on fatigue in multiple sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 423-436.	0.7	72
46	Comparing the Efficacy of Excitatory Transcranial Stimulation Methods Measuring Motor Evoked Potentials. <i>Neural Plasticity</i> , 2014, 2014, 1-6.	2.2	51
47	Safety of 5ÂkHz tACS. <i>Brain Stimulation</i> , 2014, 7, 92-96.	1.6	34
48	Transcranial electrical stimulation modifies the neuronal response to psychosocial stress exposure. <i>Human Brain Mapping</i> , 2014, 35, 3750-3759.	3.6	53
49	The impact of electrical stimulation techniques on behavior. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2014, 5, 649-659.	2.8	14
50	Imaging artifacts induced by electrical stimulation during conventional fMRI of the brain. <i>NeuroImage</i> , 2014, 85, 1040-1047.	4.2	117
51	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014, 125, 2150-2206.	1.5	1,647
52	High-Frequency TRNS Reduces BOLD Activity during Visuomotor Learning. <i>PLoS ONE</i> , 2013, 8, e59669.	2.5	41
53	Transcranial alternating current stimulation (tACS). <i>Frontiers in Human Neuroscience</i> , 2013, 7, 317.	2.0	397
54	Cathodal stimulation of human MT+ leads to elevated fMRI signal: A tDCS-fMRI study. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 255-263.	0.7	44

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55	Close to threshold transcranial electrical stimulation preferentially activates inhibitory networks before switching to excitation with higher intensities. <i>Brain Stimulation</i> , 2012, 5, 505-511.	1.6	221
56	The fade-in “ Short stimulation “ Fade out approach to sham tDCS “ Reliable at 1mA for naïve and experienced subjects, but not investigators. <i>Brain Stimulation</i> , 2012, 5, 499-504.	1.6	212
57	Transcranial direct current stimulation over the primary motor cortex during fMRI. <i>NeuroImage</i> , 2011, 55, 590-596.	4.2	227
58	Electrical stimulation and visual network plasticity. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 365-374.	0.7	47
59	The enhancement of cortical excitability over the DLPFC before and during training impairs categorization in the prototype distortion task. <i>Neuropsychologia</i> , 2011, 49, 1974-1980.	1.6	47
60	A case of refractory orofacial pain treated by transcranial direct current stimulation applied over hand motor area in combination with NMDA agonist drug intake. <i>Brain Stimulation</i> , 2011, 4, 117-121.	1.6	38
61	Cathodal transcranial direct current stimulation of the visual cortex in the prophylactic treatment of migraine. <i>Cephalalgia</i> , 2011, 31, 820-828.	3.9	170
62	Simply longer is not better: reversal of theta burst after-effect with prolonged stimulation. <i>Experimental Brain Research</i> , 2010, 204, 181-187.	1.5	252
63	Anodal Transcranial Direct Current Stimulation of the Motor Cortex Ameliorates Chronic Pain and Reduces Short Intracortical Inhibition. <i>Journal of Pain and Symptom Management</i> , 2010, 39, 890-903.	1.2	288
64	Brain-derived neurotrophic factor (BDNF) gene polymorphisms shape cortical plasticity in humans. <i>Brain Stimulation</i> , 2010, 3, 230-237.	1.6	208
65	Boosting brain excitability by transcranial high frequency stimulation in the ripple range. <i>Journal of Physiology</i> , 2010, 588, 4891-4904.	2.9	142
66	Effects of transcranial theta-burst stimulation on acute pain perception. <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 477-484.	0.7	28
67	Cutaneous perception thresholds of electrical stimulation methods: Comparison of tDCS and tRNS. <i>Clinical Neurophysiology</i> , 2010, 121, 1908-1914.	1.5	147
68	Electrode-distance dependent after-effects of transcranial direct and random noise stimulation with extracephalic reference electrodes. <i>Clinical Neurophysiology</i> , 2010, 121, 2165-2171.	1.5	238
69	Comparatively weak after-effects of transcranial alternating current stimulation (tACS) on cortical excitability in humans. <i>Brain Stimulation</i> , 2008, 1, 97-105.	1.6	425
70	Transcranial direct current stimulation: State of the art 2008. <i>Brain Stimulation</i> , 2008, 1, 206-223.	1.6	2,538
71	Frequency-Dependent Electrical Stimulation of the Visual Cortex. <i>Current Biology</i> , 2008, 18, 1839-1843.	3.9	359
72	Prior state of cortical activity influences subsequent practicing of a visuomotor coordination task. <i>Neuropsychologia</i> , 2008, 46, 3157-3161.	1.6	47

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73	Homeostatic Metaplasticity of the Motor Cortex is Altered during Headache-Free Intervals in Migraine with Aura. <i>Cerebral Cortex</i> , 2008, 18, 2701-2705.	2.9	68
74	Increasing Human Brain Excitability by Transcranial High-Frequency Random Noise Stimulation. <i>Journal of Neuroscience</i> , 2008, 28, 14147-14155.	3.6	541
75	Transcranial Direct Current Stimulation and Visual Perception. <i>Perception</i> , 2008, 37, 367-374.	1.2	79
76	Safety aspects of transcranial direct current stimulation concerning healthy subjects and patients. <i>Brain Research Bulletin</i> , 2007, 72, 208-214.	3.0	900
77	Towards unravelling task-related modulations of neuroplastic changes induced in the human motor cortex. <i>European Journal of Neuroscience</i> , 2007, 26, 2687-2691.	2.6	239
78	Transcranial direct current stimulation and the visual cortex. <i>Brain Research Bulletin</i> , 2006, 68, 459-463.	3.0	121
79	Excitability Changes Induced in the Human Primary Visual Cortex by Transcranial Direct Current Stimulation: Direct Electrophysiological Evidence. , 2004, 45, 702.		339
80	Facilitation of visuo-motor learning by transcranial direct current stimulation of the motor and extrastriate visual areas in humans. <i>European Journal of Neuroscience</i> , 2004, 19, 2888-2892.	2.6	295
81	Direct Current Stimulation over V5 Enhances Visuomotor Coordination by Improving Motion Perception in Humans. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 521-527.	2.3	352
82	Direct current stimulation over MT+/V5 modulates motion aftereffect in humans. <i>NeuroReport</i> , 2004, 15, 2491-2494.	1.2	69
83	No correlation between moving phosphene and motor thresholds: a transcranial magnetic stimulation study. <i>NeuroReport</i> , 2004, 15, 297-302.	1.2	45
84	Manipulation of phosphene thresholds by transcranial direct current stimulation in man. <i>Experimental Brain Research</i> , 2003, 150, 375-378.	1.5	203
85	Modulation of moving phosphene thresholds by transcranial direct current stimulation of V1 in human. <i>Neuropsychologia</i> , 2003, 41, 1802-1807.	1.6	114
86	Pulse configuration-dependent effects of repetitive transcranial magnetic stimulation on visual perception. <i>NeuroReport</i> , 2002, 13, 2229-2223.	1.2	40
87	Electrophysiological correlates of visual categorization: evidence for cognitive dysfunctions in early Parkinson's disease. <i>Cognitive Brain Research</i> , 2002, 13, 153-158.	3.0	23
88	External modulation of visual perception in humans. <i>NeuroReport</i> , 2001, 12, 3553-3555.	1.2	214