

Colleen A Hanlon

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

3,359
citations

147566

31
h-index

161609

54
g-index

87
all docs

87
docs citations

87
times ranked

3815
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 118-140.	2.9	198
2	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. <i>NeuroImage: Clinical</i> , 2014, 5, 245-255.	1.4	179
3	Repetitive Transcranial Magnetic Stimulation of the Dorsolateral Prefrontal Cortex Reduces Nicotine Cue Craving. <i>Biological Psychiatry</i> , 2013, 73, 714-720.	0.7	174
4	What goes up, can come down: Novel brain stimulation paradigms may attenuate craving and craving-related neural circuitry in substance dependent individuals. <i>Brain Research</i> , 2015, 1628, 199-209.	1.1	138
5	Poor decision-making by chronic marijuana users is associated with decreased functional responsiveness to negative consequences. <i>Psychiatry Research - Neuroimaging</i> , 2011, 191, 51-59.	0.9	122
6	Noninvasive brain stimulation treatments for addiction and major depression. <i>Annals of the New York Academy of Sciences</i> , 2017, 1394, 31-54.	1.8	114
7	Visual cortex activation to drug cues: A meta-analysis of functional neuroimaging papers in addiction and substance abuse literature. <i>Drug and Alcohol Dependence</i> , 2014, 143, 206-212.	1.6	112
8	Acute and persistent pain modulation of attention-related anterior cingulate fMRI activations. <i>Pain</i> , 2005, 113, 172-184.	2.0	94
9	Left frontal pole theta burst stimulation decreases orbitofrontal and insula activity in cocaine users and alcohol users. <i>Drug and Alcohol Dependence</i> , 2017, 178, 310-317.	1.6	94
10	Individualized real-time fMRI neurofeedback to attenuate craving in nicotine-dependent smokers. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 48-55.	1.4	84
11	Reduction of cue-induced craving through realtime neurofeedback in nicotine users: The role of region of interest selection and multiple visits. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 79-81.	0.9	81
12	Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. <i>Brain Stimulation</i> , 2020, 13, 1124-1149.	0.7	78
13	Low frequency repetitive transcranial magnetic stimulation of the left dorsolateral prefrontal cortex transiently increases cue-induced craving for methamphetamine: A preliminary study. <i>Drug and Alcohol Dependence</i> , 2013, 133, 641-646.	1.6	77
14	Parallel studies of cocaine-related neural and cognitive impairment in humans and monkeys. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 3257-3266.	1.8	76
15	Elevated gray and white matter densities in cocaine abstainers compared to current users. <i>Psychopharmacology</i> , 2011, 218, 681-692.	1.5	75
16	Naloxone-Reversible Modulation of Pain Circuitry by Left Prefrontal rTMS. <i>Neuropsychopharmacology</i> , 2013, 38, 1189-1197.	2.8	74
17	Modulating Neural Circuits with Transcranial Magnetic Stimulation: Implications for Addiction Treatment Development. <i>Pharmacological Reviews</i> , 2018, 70, 661-683.	7.1	73
18	Sustained Reduction of Nicotine Craving With Real-Time Neurofeedback: Exploring the Role of Severity of Dependence. <i>Nicotine and Tobacco Research</i> , 2013, 15, 2120-2124.	1.4	70

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19	Lower subcortical gray matter volume in both younger smokers and established smokers relative to non-smokers. <i>Addiction Biology</i> , 2016, 21, 185-195.	1.4	68
20	Executive control circuitry differentiates degree of success in weight loss following gastric-bypass surgery. <i>Obesity</i> , 2013, 21, 2189-2196.	1.5	65
21	Right anterior insula connectivity is important for cue-induced craving in nicotine-dependent smokers. <i>Addiction Biology</i> , 2015, 20, 407-414.	1.4	65
22	Transcranial magnetic stimulation, deep brain stimulation, and other forms of neuromodulation for substance use disorders: Review of modalities and implications for treatment. <i>Journal of the Neurological Sciences</i> , 2020, 418, 117149.	0.3	59
23	Probing the Frontostriatal Loops Involved in Executive and Limbic Processing via Interleaved TMS and Functional MRI at Two Prefrontal Locations: A Pilot Study. <i>PLoS ONE</i> , 2013, 8, e67917.	1.1	58
24	Concurrent TMS-fMRI for causal network perturbation and proof of target engagement. <i>NeuroImage</i> , 2021, 237, 118093.	2.1	56
25	Mobilization of Medial and Lateral Frontal-Striatal Circuits in Cocaine Users and Controls: An Interleaved TMS/BOLD Functional Connectivity Study. <i>Neuropsychopharmacology</i> , 2016, 41, 3032-3041.	2.8	55
26	Transdiagnostic Effects of Ventromedial Prefrontal Cortex Transcranial Magnetic Stimulation on Cue Reactivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 599-609.	1.1	54
27	The association between frontal-striatal connectivity and sensorimotor control in cocaine users. <i>Drug and Alcohol Dependence</i> , 2011, 115, 240-243.	1.6	46
28	Determining the optimal pulse number for theta burst induced change in cortical excitability. <i>Scientific Reports</i> , 2021, 11, 8726.	1.6	45
29	Competing neurobehavioral decision systems theory of cocaine addiction. <i>Progress in Brain Research</i> , 2016, 223, 269-293.	0.9	38
30	Single pulse TMS to the DLPFC, compared to a matched sham control, induces a direct, causal increase in caudate, cingulate, and thalamic BOLD signal. <i>Brain Stimulation</i> , 2018, 11, 789-796.	0.7	38
31	Recovering from cocaine: Insights from clinical and preclinical investigations. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2037-2046.	2.9	36
32	Cortical substrates of cue-reactivity in multiple substance dependent populations: transdiagnostic relevance of the medial prefrontal cortex. <i>Translational Psychiatry</i> , 2018, 8, 186.	2.4	36
33	Use of imperceptible wrist vibration to modulate sensorimotor cortical activity. <i>Experimental Brain Research</i> , 2019, 237, 805-816.	0.7	35
34	A large, curated, open-source stroke neuroimaging dataset to improve lesion segmentation algorithms. <i>Scientific Data</i> , 2022, 9, .	2.4	33
35	Transcranial magnetic stimulation of the dorsal lateral prefrontal cortex inhibits medial orbitofrontal activity in smokers. <i>American Journal on Addictions</i> , 2017, 26, 788-794.	1.3	30
36	New brain networks are active after right MCA stroke when moving the ipsilesional arm. <i>Neurology</i> , 2005, 64, 114-120.	1.5	29

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37	Loss of laterality in chronic cocaine users: An fMRI investigation of sensorimotor control. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 15-23.	0.9	29
38	Loss of functional specificity in the dorsal striatum of chronic cocaine users. <i>Drug and Alcohol Dependence</i> , 2009, 102, 88-94.	1.6	28
39	Abnormal medial prefrontal cortex activity in heavy cannabis users during conscious emotional evaluation. <i>Psychopharmacology</i> , 2016, 233, 1035-1044.	1.5	28
40	Gray and white matter integrity influence TMS signal propagation: a multimodal evaluation in cocaine-dependent individuals. <i>Scientific Reports</i> , 2018, 8, 3253.	1.6	28
41	Developing Repetitive Transcranial Magnetic Stimulation (rTMS) as a Treatment Tool for Cocaine Use Disorder: a Series of Six Translational Studies. <i>Current Behavioral Neuroscience Reports</i> , 2017, 4, 341-352.	0.6	27
42	The use of brain imaging to elucidate neural circuit changes in cocaine addiction. <i>Substance Abuse and Rehabilitation</i> , 2012, 3, 115.	1.6	26
43	A methodological checklist for fMRI drug cue reactivity studies: development and expert consensus. <i>Nature Protocols</i> , 2022, 17, 567-595.	5.5	26
44	Sex/Gender as a Factor That Influences Transcranial Magnetic Stimulation Treatment Outcome: Three Potential Biological Explanations. <i>Frontiers in Psychiatry</i> , 2022, 13, 869070.	1.3	26
45	Non-invasive Brain Stimulation for Alcohol Use Disorders: State of the Art and Future Directions. <i>Neurotherapeutics</i> , 2020, 17, 116-126.	2.1	25
46	Effect of Experimental Manipulation of the Orbitofrontal Cortex on Short-Term Markers of Compulsive Behavior: A Theta Burst Stimulation Study. <i>American Journal of Psychiatry</i> , 2021, 178, 459-468.	4.0	25
47	Biomarkers for Success. <i>International Review of Neurobiology</i> , 2016, 129, 125-156.	0.9	23
48	A comprehensive study of sensorimotor cortex excitability in chronic cocaine users: Integrating TMS and functional MRI data. <i>Drug and Alcohol Dependence</i> , 2015, 157, 28-35.	1.6	22
49	State-Dependent Effects of Ventromedial Prefrontal Cortex Continuous Thetaburst Stimulation on Cocaine Cue Reactivity in Chronic Cocaine Users. <i>Frontiers in Psychiatry</i> , 2019, 10, 317.	1.3	22
50	Attenuated neural response to emotional cues in cocaine-dependence: a preliminary analysis of gender differences. <i>American Journal of Drug and Alcohol Abuse</i> , 2016, 42, 577-586.	1.1	20
51	Role of functional imaging in the development and refinement of invasive neuromodulation for psychiatric disorders. <i>World Journal of Radiology</i> , 2014, 6, 756.	0.5	18
52	Increased on-state cortico-mesencephalic functional connectivity in Parkinson disease with freezing of gait. <i>Parkinsonism and Related Disorders</i> , 2020, 72, 31-36.	1.1	16
53	Medial Prefrontal Cortex Theta Burst Stimulation Improves Treatment Outcomes in Alcohol Use Disorder: A Double-Blind, Sham-Controlled Neuroimaging Study. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 301-310.	1.0	16
54	Individual variability in the locus of prefrontal craving for nicotine: Implications for brain stimulation studies and treatments. <i>Drug and Alcohol Dependence</i> , 2012, 125, 239-243.	1.6	13

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55	BrainRuler-a free, open-access tool for calculating scalp to cortex distance. <i>Brain Stimulation</i> , 2017, 10, 1009-1010.	0.7	13
56	Regionally specific gray matter volume is lower in alcohol use disorder: Implications for noninvasive brain stimulation treatment. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1672-1683.	1.4	13
57	A Case for the Frontal Pole as an Empirically Derived Neuromodulation Treatment Target. <i>Biological Psychiatry</i> , 2019, 85, e13-e14.	0.7	12
58	Neural Architecture Influences Repetitive Transcranial Magnetic Stimulation-Induced Functional Change: A Diffusion Tensor Imaging and Functional Magnetic Resonance Imaging Study of Cue-Reactivity Modulation in Alcohol Users. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 106, 702-705.	2.3	12
59	Visual Attention Affects the Amplitude of the Transcranial Magnetic Stimulation-associated Motor-evoked Potential. <i>Journal of Psychiatric Practice</i> , 2018, 24, 220-229.	0.3	11
60	Paired inhibitory stimulation and gait training modulates supplemental motor area connectivity in freezing of gait. <i>Parkinsonism and Related Disorders</i> , 2021, 88, 28-33.	1.1	11
61	A post-processing/region of interest (ROI) method for discriminating patterns of activity in statistical maps of fMRI data. <i>Journal of Neuroscience Methods</i> , 2004, 135, 137-147.	1.3	10
62	The effect of task difficulty on motor performance and frontal-striatal connectivity in cocaine users. <i>Drug and Alcohol Dependence</i> , 2017, 173, 178-184.	1.6	10
63	Non-invasive brain stimulation as a tool to decrease chronic pain in current opiate users: A parametric evaluation of two promising cortical targets. <i>Drug and Alcohol Dependence</i> , 2021, 218, 108409.	1.6	8
64	Characterizing the corticomotor connectivity of the bilateral ankle muscles during rest and isometric contraction in healthy adults. <i>Journal of Electromyography and Kinesiology</i> , 2018, 41, 9-18.	0.7	7
65	Brain stimulation in zero gravity: transcranial magnetic stimulation (TMS) motor threshold decreases during zero gravity induced by parabolic flight. <i>Npj Microgravity</i> , 2020, 6, 26.	1.9	7
66	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , 2021, 3, fcab254.	1.5	7
67	Targeting the Salience Network: A Mini-Review on a Novel Neuromodulation Approach for Treating Alcohol Use Disorder. <i>Frontiers in Psychiatry</i> , 2022, 13, .	1.3	7
68	Brain activity associated with social exclusion overlaps with drug-related frontal-striatal circuitry in cocaine users: A pilot study. <i>Neurobiology of Stress</i> , 2019, 10, 100137.	1.9	6
69	Blunt or precise? A note about the relative precision of figure-of-eight rTMS coils. <i>Brain Stimulation</i> , 2017, 10, 338-339.	0.7	5
70	Elevated Brain Iron in Cocaine Use Disorder as Indexed by Magnetic Field Correlation Imaging. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 579-588.	1.1	5
71	MAVIN: An Open-Source Tool for Interactive Analysis and Visualization of EMG Data. <i>Brain Stimulation</i> , 2016, 9, 305-306.	0.7	4
72	Treating cue-reactivity with brain stimulation: a new (transdiagnostic) approach. <i>Neuropsychopharmacology</i> , 2019, 44, 232-233.	2.8	4

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73	Sensitized brain response to acute pain in patients using prescription opiates for chronic pain: A pilot study. <i>Drug and Alcohol Dependence</i> , 2019, 200, 6-13.	1.6	4
74	Cortical excitability in a nonhuman primate model of TMS. <i>Brain Stimulation</i> , 2021, 14, 19-21.	0.7	4
75	The frontal pole as a target for transcranial magnetic stimulation: A retrospective analysis of feasibility and tolerability. <i>Brain Stimulation</i> , 2021, 14, 655-657.	0.7	4
76	Effects of tDCS on spontaneous spike activity in a healthy ambulatory rat model. <i>Brain Stimulation</i> , 2020, 13, 1566-1576.	0.7	3
77	Evaluating a novel MR-compatible foot pedal device for unipedal and bipedal motion: Test-retest reliability of evoked brain activity. <i>Human Brain Mapping</i> , 2021, 42, 128-138.	1.9	3
78	Kinematic Measures of Bimanual Performance are Associated With Callosum White Matter Change in People With Chronic Stroke. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2020, 2, 100075.	0.5	2
79	Brain stimulation as an emerging treatment for addiction. , 2020, , 295-302.		1
80	Transcranial Direct Current Stimulation in Addiction. , 2020, , 263-282.		1
81	Priming the pump? Evaluating the effect of multiple intermittent theta burst sessions on cortical excitability in a nonhuman primate model. <i>Brain Stimulation</i> , 2022, , .	0.7	1
82	Testing the Causal Role of the Orbitofrontal Cortex in Human Compulsive Behavior: A Theta Burst Stimulation Study. <i>Biological Psychiatry</i> , 2020, 87, S77-S78.	0.7	0
83	Repetitive Transcranial Magnetic Stimulation in Addiction. , 2020, , 135-160.		0