

Chadi G Abdallah

List of Publications by Citations

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116
papers

4,015
citations

36
h-index

61
g-index

136
ext. papers

5,170
ext. citations

5.6
avg, IF

5.95
L-index

#	Paper	IF	Citations
116	Ketamine and rapid-acting antidepressants: a window into a new neurobiology for mood disorder therapeutics. <i>Annual Review of Medicine</i> , 2015 , 66, 509-23	17.4	247
115	Targeting glutamate signalling in depression: progress and prospects. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 472-486	64.1	234
114	Smaller Hippocampal Volume in Posttraumatic Stress Disorder: A Multisite ENIGMA-PGC Study: Subcortical Volumetry Results From Posttraumatic Stress Disorder Consortia. <i>Biological Psychiatry</i> , 2018 , 83, 244-253	7.9	192
113	Ketamine Treatment and Global Brain Connectivity in Major Depression. <i>Neuropsychopharmacology</i> , 2017 , 42, 1210-1219	8.7	179
112	Ketamine: A Paradigm Shift for Depression Research and Treatment. <i>Neuron</i> , 2019 , 101, 774-778	13.9	137
111	A Network-Based Neurobiological Model of PTSD: Evidence From Structural and Functional Neuroimaging Studies. <i>Current Psychiatry Reports</i> , 2017 , 19, 81	9.1	135
110	KETAMINE'S MECHANISM OF ACTION: A PATH TO RAPID-ACTING ANTIDEPRESSANTS. <i>Depression and Anxiety</i> , 2016 , 33, 689-97	8.4	111
109	Glutamate metabolism in major depressive disorder. <i>American Journal of Psychiatry</i> , 2014 , 171, 1320-7	11.9	109
108	The neurobiology of depression, ketamine and rapid-acting antidepressants: Is it glutamate inhibition or activation?. <i>Pharmacology & Therapeutics</i> , 2018 , 190, 148-158	13.9	103
107	The effects of ketamine on prefrontal glutamate neurotransmission in healthy and depressed subjects. <i>Neuropsychopharmacology</i> , 2018 , 43, 2154-2160	8.7	92
106	Glutamate dysregulation and glutamatergic therapeutics for PTSD: Evidence from human studies. <i>Neuroscience Letters</i> , 2017 , 649, 147-155	3.3	87
105	Reduced global functional connectivity of the medial prefrontal cortex in major depressive disorder. <i>Human Brain Mapping</i> , 2016 , 37, 3214-23	5.9	87
104	Ketamine as a promising prototype for a new generation of rapid-acting antidepressants. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1344, 66-77	6.5	84
103	Default mode network abnormalities in posttraumatic stress disorder: A novel network-restricted topology approach. <i>NeuroImage</i> , 2018 , 176, 489-498	7.9	81
102	Chronic Pain and Chronic Stress: Two Sides of the Same Coin?. <i>Chronic Stress</i> , 2017 , 1,	3	79
101	Rapid antidepressant effect of ketamine in the electroconvulsive therapy setting. <i>Journal of ECT</i> , 2012 , 28, 157-61	2	78
100	Ketamine-induced reduction in mGluR5 availability is associated with an antidepressant response: an [C]ABP688 and PET imaging study in depression. <i>Molecular Psychiatry</i> , 2018 , 23, 824-832	15.1	76

99	PTSD: from neurobiology to pharmacological treatments. <i>Høge Utbildning</i> , 2016 , 7, 31858	5	68
98	Early-life stress, corpus callosum development, hippocampal volumetrics, and anxious behavior in male nonhuman primates. <i>Psychiatry Research - Neuroimaging</i> , 2011 , 192, 37-44	2.9	67
97	In vivo ketamine-induced changes in [11C]ABP688 binding to metabotropic glutamate receptor subtype 5. <i>Biological Psychiatry</i> , 2015 , 77, 266-275	7.9	66
96	Regional soil erosion risk mapping in Lebanon. <i>Geomorphology</i> , 2006 , 82, 347-359	4.3	63
95	The Nucleus Accumbens and Ketamine Treatment in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2017 , 42, 1739-1746	8.7	62
94	Modulation of the antidepressant effects of ketamine by the mTORC1 inhibitor rapamycin. <i>Neuropsychopharmacology</i> , 2020 , 45, 990-997	8.7	62
93	Prefrontal Connectivity and Glutamate Transmission: Relevance to Depression Pathophysiology and Ketamine Treatment. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 566-574	3.4	61
92	The Neurobiology and Pharmacotherapy of Posttraumatic Stress Disorder. <i>Annual Review of Pharmacology and Toxicology</i> , 2019 , 59, 171-189	17.9	59
91	A neurobiological hypothesis of treatment-resistant depression - mechanisms for selective serotonin reuptake inhibitor non-efficacy. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 189	3.5	58
90	The role of early life stress in development of the anterior limb of the internal capsule in nonhuman primates. <i>Neuroscience Letters</i> , 2010 , 480, 93-6	3.3	55
89	Synaptic Loss and the Pathophysiology of PTSD: Implications for Ketamine as a Prototype Novel Therapeutic. <i>Current Psychiatry Reports</i> , 2017 , 19, 74	9.1	53
88	Cortical thickness reduction in combat exposed U.S. veterans with and without PTSD. <i>European Neuropsychopharmacology</i> , 2017 , 27, 515-525	1.2	51
87	A pilot study of hippocampal volume and N-acetylaspartate (NAA) as response biomarkers in riluzole-treated patients with GAD. <i>European Neuropsychopharmacology</i> , 2013 , 23, 276-84	1.2	51
86	Hippocampal volume and the rapid antidepressant effect of ketamine. <i>Journal of Psychopharmacology</i> , 2015 , 29, 591-5	4.6	50
85	Community integration and associated factors among older adults with schizophrenia. <i>Psychiatric Services</i> , 2009 , 60, 1642-8	3.3	46
84	Multimodal Investigation of Network Level Effects Using Intrinsic Functional Connectivity, Anatomical Covariance, and Structure-to-Function Correlations in Unmedicated Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2018 , 43, 1119-1127	8.7	43
83	Reorganization of brain connectivity in obesity. <i>Human Brain Mapping</i> , 2017 , 38, 1403-1420	5.9	43
82	Decreased occipital cortical glutamate levels in response to successful cognitive-behavioral therapy and pharmacotherapy for major depressive disorder. <i>Psychotherapy and Psychosomatics</i> , 2014 , 83, 298-307	8.4	43

81	Prefrontal cortical GABA abnormalities are associated with reduced hippocampal volume in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2015 , 25, 1082-90	1.2	39
80	Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 449-456	2.4	36
79	Early-life stress, corticotropin-releasing factor, and serotonin transporter gene: a pilot study. <i>Psychoneuroendocrinology</i> , 2011 , 36, 289-93	5	36
78	Anterior hippocampal dysconnectivity in posttraumatic stress disorder: a dimensional and multimodal approach. <i>Translational Psychiatry</i> , 2017 , 7, e1045	8.6	35
77	Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks. <i>Scientific Reports</i> , 2019 , 9, 19290	4.9	35
76	Suicide attempts and associated factors in older adults with schizophrenia. <i>Schizophrenia Research</i> , 2010 , 119, 253-7	3.6	34
75	Ketamine, but Not the NMDAR Antagonist Lanicemine, Increases Prefrontal Global Connectivity in Depressed Patients. <i>Chronic Stress</i> , 2018 , 2,	3	34
74	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. <i>Molecular Psychiatry</i> , 2021 , 26, 4315-4330	15.1	33
73	The Association of PTSD Symptom Severity with Localized Hippocampus and Amygdala Abnormalities. <i>Chronic Stress</i> , 2017 , 1,	3	29
72	Early life stress and macaque amygdala hypertrophy: preliminary evidence for a role for the serotonin transporter gene. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 342	3.5	29
71	Stress Response Modulation Underlying the Psychobiology of Resilience. <i>Current Psychiatry Reports</i> , 2018 , 20, 27	9.1	22
70	Reduced Salience and Enhanced Central Executive Connectivity Following PTSD Treatment. <i>Chronic Stress</i> , 2019 , 3,	3	20
69	Amygdala-hippocampal volume and the phenotypic heterogeneity of posttraumatic stress disorder: a cross-sectional study. <i>JAMA Psychiatry</i> , 2015 , 72, 396-8	14.5	20
68	Behavioral deficits, abnormal corticosterone, and reduced prefrontal metabolites of adolescent rats subject to early life stress. <i>Neuroscience Letters</i> , 2013 , 545, 132-7	3.3	20
67	What's the Buzz About Hydroxynorketamine? Is It the History, the Story, the Debate, or the Promise?. <i>Biological Psychiatry</i> , 2017 , 81, e61-e63	7.9	18
66	Combat Exposure Severity is Associated with Reduced Cortical Thickness in Combat Veterans: A Preliminary Report. <i>Chronic Stress</i> , 2017 , 1,	3	18
65	Salience Network Disruption in U.S. Army Soldiers With Posttraumatic Stress Disorder. <i>Chronic Stress</i> , 2019 , 3,	3	17
64	Morphometric hemispheric asymmetry of orbitofrontal cortex in women with borderline personality disorder: a multi-parameter approach. <i>Psychiatry Research - Neuroimaging</i> , 2014 , 223, 61-6	2.9	17

63	Are There Effective Psychopharmacologic Treatments for PTSD?. <i>Journal of Clinical Psychiatry</i> , 2018 , 80,	4.6	16
62	Repeated ketamine infusions for antidepressant-resistant PTSD: Methods of a multicenter, randomized, placebo-controlled clinical trial. <i>Contemporary Clinical Trials</i> , 2019 , 81, 11-18	2.3	15
61	Reduced hippocampal N-acetyl-aspartate (NAA) as a biomarker for overweight. <i>NeuroImage: Clinical</i> , 2014 , 4, 326-35	5.3	15
60	Posttraumatic Stress Disorder and Depression Symptom Severities Are Differentially Associated With Hippocampal Subfield Volume Loss in Combat Veterans. <i>Chronic Stress</i> , 2017 , 1,	3	15
59	Early-life stress and neurometabolites of the hippocampus. <i>Brain Research</i> , 2010 , 1358, 191-9	3.7	14
58	White matter microstructural alterations in posttraumatic stress disorder: An ROI and whole-brain based meta-analysis. <i>Journal of Affective Disorders</i> , 2020 , 266, 655-670	6.6	13
57	Riluzole effect on occipital cortex: a structural and spectroscopy pilot study. <i>Neuroscience Letters</i> , 2012 , 530, 103-7	3.3	13
56	Altered White Matter Diffusivity of the Cingulum Angular Bundle in Posttraumatic Stress Disorder. <i>Molecular Neuropsychiatry</i> , 2018 , 4, 75-82	4.9	13
55	Upregulation of adenosine A2A receptors induced by atypical antipsychotics and its correlation with sensory gating in schizophrenia patients. <i>Psychiatry Research</i> , 2012 , 200, 126-32	9.9	12
54	A Unique Brain Connectome Fingerprint Predates and Predicts Response to Antidepressants. <i>iScience</i> , 2020 , 23, 100800	6.1	12
53	Constraining coupled hydrological-hydraulic flood model by past storm events and post-event measurements in data-sparse regions. <i>Journal of Hydrology</i> , 2018 , 565, 160-176	6	11
52	Apolipoprotein E gene polymorphism, posttraumatic stress disorder, and cognitive function in older U.S. veterans: Results from the National Health and Resilience in Veterans Study. <i>Depression and Anxiety</i> , 2019 , 36, 834-845	8.4	10
51	Posttraumatic Stress Disorder: an integrated overview and neurobiological rationale for pharmacology. <i>Clinical Psychology: Science and Practice</i> , 2017 , 24, 281-297	3.7	10
50	Neurobiology of Maternal Stress: Role of Social Rank and Central Oxytocin in Hypothalamic-Pituitary Adrenal Axis Modulation. <i>Frontiers in Psychiatry</i> , 2015 , 6, 100	5	10
49	Ketamine and rapid acting antidepressants: Are we ready to cure, rather than treat depression?. <i>Behavioural Brain Research</i> , 2020 , 390, 112628	3.4	9
48	Impact of childhood emotional abuse on neocortical neurometabolites and complex emotional processing in patients with generalized anxiety disorder. <i>Journal of Affective Disorders</i> , 2016 , 190, 414-423	6.6	9
47	A robust and reproducible connectome fingerprint of ketamine is highly associated with the connectomic signature of antidepressants. <i>Neuropsychopharmacology</i> , 2021 , 46, 478-485	8.7	9
46	Application of the LDN concept for quantification of the impact of land use and land cover changes on Mediterranean watersheds - Al Awali basin - Lebanon as a case study. <i>Catena</i> , 2019 , 176, 264-278	5.8	8

45	A history of early life parental loss or separation is associated with successful cognitive-behavioral therapy in major depressive disorder. <i>Journal of Affective Disorders</i> , 2015 , 187, 241-4	6.6	8
44	Cortical volume abnormalities in posttraumatic stress disorder: an ENIGMA-psychiatric genomics consortium PTSD workgroup mega-analysis. <i>Molecular Psychiatry</i> , 2021 , 26, 4331-4343	15.1	8
43	Ketamine Normalizes the Structural Alterations of Inferior Frontal Gyrus in Depression. <i>Chronic Stress</i> , 2020 , 4, 2470547020980681	3	8
42	Neurobiology of the Rapid-Acting Antidepressant Effects of Ketamine: Impact and Opportunities. <i>Biological Psychiatry</i> , 2021 , 90, 85-95	7.9	8
41	Increased Cortical Thickness in Patients With Major Depressive Disorder Following Antidepressant Treatment. <i>Chronic Stress</i> , 2020 , 4,	3	7
40	Diffusion tensor imaging in studying white matter complexity: a gap junction hypothesis. <i>Neuroscience Letters</i> , 2010 , 475, 161-4	3.3	7
39	Sex-stratified gene-by-environment genome-wide interaction study of trauma, posttraumatic-stress, and suicidality. <i>Neurobiology of Stress</i> , 2021 , 14, 100309	7.6	7
38	Patterns of anterior versus posterior white matter fractional anisotropy concordance in adult nonhuman primates: Effects of early life stress. <i>Journal of Affective Disorders</i> , 2016 , 192, 167-75	6.6	7
37	(2R,6R)-Hydroxynorketamine (HNK) plasma level predicts poor antidepressant response: is this the end of the HNK pipeline?. <i>Neuropsychopharmacology</i> , 2020 , 45, 1245-1246	8.7	7
36	A Review of fMRI Affective Processing Paradigms Used in the Neurobiological Study of Posttraumatic Stress Disorder. <i>Chronic Stress</i> , 2019 , 3,	3	6
35	Locus Coeruleus Hyperactivity in Posttraumatic Stress Disorder: Answers and Questions. <i>Biological Psychiatry</i> , 2018 , 83, 197-199	7.9	6
34	Early Life Stress Associated With Increased Striatal -Acetyl-Aspartate: Cerebrospinal Fluid Corticotropin-Releasing Factor Concentrations, Hippocampal Volume, Body Mass and Behavioral Correlates. <i>Chronic Stress</i> , 2018 , 2,	3	6
33	Effects of Acute Confinement Stress-induced Hypothalamic-Pituitary Adrenal Axis Activation and Concomitant Peripheral and Central Transforming Growth Factor- β Measures in Nonhuman Primates. <i>Chronic Stress</i> , 2017 , 1,	3	5
32	Early life stress and glutamate neurotransmission in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2020 , 35, 71-80	1.2	5
31	Neurobiology of the dorsolateral prefrontal cortex in GAD: Aberrant neurometabolic correlation to hippocampus and relationship to anxiety sensitivity and IQ. <i>Journal of Affective Disorders</i> , 2018 , 229, 1-13	6.6	5
30	Topology of brain functional connectivity networks in posttraumatic stress disorder. <i>Data in Brief</i> , 2018 , 20, 1658-1675	1.2	5
29	STRONG STAR and the Consortium to Alleviate PTSD: Shaping the future of combat PTSD and related conditions in military and veteran populations. <i>Contemporary Clinical Trials</i> , 2021 , 110, 106583	2.3	5
28	Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks		4

27	Altered White Matter Microstructural Organization in Post-Traumatic Stress Disorder across 3,049 Adults: Results from the PGC-ENIGMA PTSD Consortium		4
26	On the use of the Land Degradation Neutrality concept in mediterranean watersheds for land restoration and erosion counteraction. <i>Journal of Arid Environments</i> , 2021 , 188, 104465	2.5	4
25	Glutamate and norepinephrine interaction: Relevance to higher cognitive operations and psychopathology. <i>Behavioral and Brain Sciences</i> , 2016 , 39, e201	0.9	4
24	Effects of Smoking Status and State on Intrinsic Connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 ,	3.4	4
23	Chronic stress pathology and ketamine-induced alterations in functional connectivity in major depressive disorder: An abridged review of the clinical evidence. <i>Advances in Pharmacology</i> , 2020 , 89, 163-194	5.7	3
22	581. The Default Mode Network in Posttraumatic Stress Disorder (PTSD): A Data-Driven Multimodal Approach. <i>Biological Psychiatry</i> , 2017 , 81, S235	7.9	3
21	Metabolic syndrome and neurometabolic asymmetry of hippocampus in adult bonnet monkeys. <i>Physiology and Behavior</i> , 2011 , 103, 535-9	3.5	3
20	Dose-related effects of ketamine for antidepressant-resistant symptoms of posttraumatic stress disorder in veterans and active duty military: a double-blind, randomized, placebo-controlled multi-center clinical trial.. <i>Neuropsychopharmacology</i> , 2022 ,	8.7	3
19	Pretreatment Brain Connectome Fingerprint Predicts Treatment Response in Major Depressive Disorder. <i>Chronic Stress</i> , 2020 , 4, 2470547020984726	3	3
18	Assessment of brain age in posttraumatic stress disorder: Findings from the ENIGMA PTSD and brain age working groups.. <i>Brain and Behavior</i> , 2021 , e2413	3.4	3
17	Neurobiological Mechanisms of Ketamine: Depression, Suicide, Trauma, and Chronic Stress Pathologies. <i>Psychiatric Annals</i> , 2020 , 50, 48-53	0.5	2
16	Of Forests and Trees: Bridging the Gap Between Neurobiology and Behavior in Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 135-137	3.4	2
15	Trauma and posttraumatic stress interact with sex-specific risk loci for suicidality and converge on brain extracellular matrix biology and synaptic plasticity		2
14	Hippocampal subfield volumes are uniquely affected in PTSD and depression: International analysis of 31 cohorts from the PGC-ENIGMA PTSD Working Group		2
13	Assessing the Impact of ManMade Ponds on Soil Erosion and Sediment Transport in Limnological Basins. <i>Water (Switzerland)</i> , 2019 , 11, 2526	3	2
12	Transcranial direct current stimulation targeting the medial prefrontal cortex modulates functional connectivity and enhances safety learning in obsessive-compulsive disorder: Results from two pilot studies. <i>Depression and Anxiety</i> , 2021 ,	8.4	2
11	A GIS framework for the application of the Land Degradation Neutrality concept in Mediterranean landscapes. <i>Geocarto International</i> , 1-28	2.7	1
10	A Robust and Reproducible Connectome Fingerprint of Ketamine is Highly Associated with the Connectomic Signature of Antidepressants		1

9	Brain Functional Connectivity Scans, Acquired Years Before the Pandemic, Predict COVID-19 Infections in Older Adults: Data From 3,662 Participants		1
8	Dose-Related Effects of Ketamine for Antidepressant-Resistant Symptoms of Posttraumatic Stress Disorder in Veterans and Active Duty Military: A Double-blind, Randomized, Placebo-Controlled Multi-Center Clinical Trial		1
7	Ketamine Mechanism of Rapid Antidepressant Activity: Evidence Gleaned from Clinical Studies 2016 , 99-121		1
6	A framework for investigating the land degradation neutrality Disaster risk reduction nexus at the sub-national scales. <i>Journal of Arid Environments</i> , 2021 , 195, 104635	2.5	1
5	Remodeling of the Cortical Structural Connectome in Posttraumatic Stress Disorder: Results from the ENIGMA-PGC PTSD Consortium.. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022 ,	3.4	1
4	Prefrontal Glutamate Neurotransmission in PTSD: A Novel Approach to Estimate Synaptic Strength in Vivo in Humans.. <i>Chronic Stress</i> , 2022 , 6, 24705470221092734	3	1
3	Smoking status links habenular volume to glycated hemoglobin: Findings from the Human Connectome Project-Young Adult. <i>Psychoneuroendocrinology</i> , 2021 , 131, 105321	5	0
2	Brain Networks Associated With COVID-19 Risk: Data From 3662 Participants.. <i>Chronic Stress</i> , 2021 , 5, 24705470211066770	3	
1	When the "Golden Chain" Breaks: Sleep Disturbance and the Vicious Cycle of Chronic Stress. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 1018-1020	3.4	