Chadi G Abdallah

List of Publications by Year
in descending order

122 papers	6,168 citations	71061 41 h-index	82499 72 g-index
137 all docs	137 docs citations	137 times ranked	7357 citing authors

#	Article	IF	Citations
1	Targeting glutamate signalling in depression: progress and prospects. Nature Reviews Drug Discovery, 2017, 16, 472-486.	21.5	345
2	Smaller Hippocampal Volume in Posttraumatic Stress Disorder: A Multisite ENIGMA-PGC Study: Subcortical Volumetry Results From Posttraumatic Stress Disorder Consortia. Biological Psychiatry, 2018, 83, 244-253.	0.7	335
3	Ketamine and Rapid-Acting Antidepressants: A Window into a New Neurobiology for Mood Disorder Therapeutics. Annual Review of Medicine, 2015, 66, 509-523.	5.0	316
4	Ketamine: A Paradigm Shift for Depression Research and Treatment. Neuron, 2019, 101, 774-778.	3.8	271
5	Ketamine Treatment and Global Brain Connectivity in Major Depression. Neuropsychopharmacology, 2017, 42, 1210-1219.	2.8	240
6	A Network-Based Neurobiological Model of PTSD: Evidence From Structural and Functional Neuroimaging Studies. Current Psychiatry Reports, 2017, 19, 81.	2.1	239
7	The neurobiology of depression, ketamine and rapid-acting antidepressants: Is it glutamate inhibition or activation?. , 2018, 190, 148-158.		160
8	Glutamate Metabolism in Major Depressive Disorder. American Journal of Psychiatry, 2014, 171, 1320-1327.	4.0	155
9	Chronic Pain and Chronic Stress: Two Sides of the Same Coin?. Chronic Stress, 2017, 1, 247054701770476.	1.7	151
10	KETAMINE'S MECHANISM OF ACTION: A PATH TO RAPIDâ€ACTING ANTIDEPRESSANTS. Depression and Anxiety, 2016, 33, 689-697.	2.0	150
11	The effects of ketamine on prefrontal glutamate neurotransmission in healthy and depressed subjects. Neuropsychopharmacology, 2018, 43, 2154-2160.	2.8	146
12	Default mode network abnormalities in posttraumatic stress disorder: A novel network-restricted topology approach. NeuroImage, 2018, 176, 489-498.	2.1	138
13	Glutamate dysregulation and glutamatergic therapeutics for PTSD: Evidence from human studies. Neuroscience Letters, 2017, 649, 147-155.	1.0	137
14	Modulation of the antidepressant effects of ketamine by the mTORC1 inhibitor rapamycin. Neuropsychopharmacology, 2020, 45, 990-997.	2.8	127
15	Reduced global functional connectivity of the medial prefrontal cortex in major depressive disorder. Human Brain Mapping, 2016, 37, 3214-3223.	1.9	125
16	Ketamine-induced reduction in mGluR5 availability is associated with an antidepressant response: an [11C]ABP688 and PET imaging study in depression. Molecular Psychiatry, 2018, 23, 824-832.	4.1	108
17	The Neurobiology and Pharmacotherapy of Posttraumatic Stress Disorder. Annual Review of Pharmacology and Toxicology, 2019, 59, 171-189.	4.2	106
18	Ketamine as a promising prototype for a new generation of rapidâ€acting antidepressants. Annals of the New York Academy of Sciences, 2015, 1344, 66-77.	1.8	97

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19	PTSD: from neurobiology to pharmacological treatments. HÃ¶gre Utbildning, 2016, 7, 31858.	1.4	97
20	The Nucleus Accumbens and Ketamine Treatment in Major Depressive Disorder. Neuropsychopharmacology, 2017, 42, 1739-1746.	2.8	94
21	Rapid Antidepressant Effect of Ketamine in the Electroconvulsive Therapy Setting. Journal of ECT, 2012, 28, 157-161.	0.3	93
22	Synaptic Loss and the Pathophysiology of PTSD: Implications for Ketamine as a Prototype Novel Therapeutic. Current Psychiatry Reports, 2017, 19, 74.	2.1	93
23	In Vivo Ketamine-Induced Changes in [11 C]ABP688 Binding to Metabotropic Glutamate Receptor Subtype 5. Biological Psychiatry, 2015, 77, 266-275.	0.7	82
24	Early-life stress, corpus callosum development, hippocampal volumetrics, and anxious behavior in male nonhuman primates. Psychiatry Research - Neuroimaging, 2011, 192, 37-44.	0.9	78
25	Regional soil erosion risk mapping in Lebanon. Geomorphology, 2006, 82, 347-359.	1.1	74
26	Prefrontal Connectivity and Glutamate Transmission: Relevance to Depression Pathophysiology and Ketamine Treatment. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 566-574.	1.1	72
27	Cortical thickness reduction in combat exposed U.S. veterans with and without PTSD. European Neuropsychopharmacology, 2017, 27, 515-525.	0.3	69
28	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. Molecular Psychiatry, 2021, 26, 4315-4330.	4.1	69
29	Hippocampal volume and the rapid antidepressant effect of ketamine. Journal of Psychopharmacology, 2015, 29, 591-595.	2.0	67
30	A Neurobiological Hypothesis of Treatment-Resistant Depression Ã¢â‚¬â€œ Mechanisms for Selective Serotonin Reuptake Inhibitor Non-Efficacy. Frontiers in Behavioral Neuroscience, 2014, 8, 189.	1.0	66
31	The role of early life stress in development of the anterior limb of the internal capsule in nonhuman primates. Neuroscience Letters, 2010, 480, 93-96.	1.0	65
32	Reorganization of brain connectivity in obesity. Human Brain Mapping, 2017, 38, 1403-1420.	1.9	65
33	Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks. Scientific Reports, 2019, 9, 19290.	1.6	63
34	Community Integration and Associated Factors Among Older Adults With Schizophrenia. Psychiatric Services, 2009, 60, 1642-1648.	1.1	60
35	A pilot study of hippocampal volume and N-acetylaspartate (NAA) as response biomarkers in riluzole-treated patients with GAD. European Neuropsychopharmacology, 2013, 23, 276-284.	0.3	58
36	Multimodal Investigation of Network Level Effects Using Intrinsic Functional Connectivity, Anatomical Covariance, and Structure-to-Function Correlations in Unmedicated Major Depressive Disorder. Neuropsychopharmacology, 2018, 43, 1119-1127.	2.8	57

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37	Anterior hippocampal dysconnectivity in posttraumatic stress disorder: a dimensional and multimodal approach. Translational Psychiatry, 2017, 7, e1045-e1045.	2.4	54
38	Decreased Occipital Cortical Glutamate Levels in Response to Successful Cognitive-Behavioral Therapy and Pharmacotherapy for Major Depressive Disorder. Psychotherapy and Psychosomatics, 2014, 83, 298-307.	4.0	53
39	Prefrontal cortical GABA abnormalities are associated with reduced hippocampal volume in major depressive disorder. European Neuropsychopharmacology, 2015, 25, 1082-1090.	0.3	52
40	Ketamine, but Not the NMDAR Antagonist Lanicemine, Increases Prefrontal Global Connectivity in Depressed Patients. Chronic Stress, 2018, 2, 247054701879610.	1.7	52
41	Cortical volume abnormalities in posttraumatic stress disorder: an ENIGMA-psychiatric genomics consortium PTSD workgroup mega-analysis. Molecular Psychiatry, 2021, 26, 4331-4343.	4.1	52
42	Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 449-456.	1.1	47
43	The Association of PTSD Symptom Severity With Localized Hippocampus and Amygdala Abnormalities. Chronic Stress, 2017, 1, 247054701772406.	1.7	45
44	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. Neuropsychopharmacology, 2022, 47, 1574-1581.	2.8	41
45	Early life stress and macaque amygdala hypertrophy: preliminary evidence for a role for the serotonin transporter gene. Frontiers in Behavioral Neuroscience, 2014, 8, 342.	1.0	38
46	Suicide attempts and associated factors in older adults with schizophrenia. Schizophrenia Research, 2010, 119, 253-257.	1.1	37
47	Early-life stress, corticotropin-releasing factor, and serotonin transporter gene: A pilot study. Psychoneuroendocrinology, 2011, 36, 289-293.	1.3	37
48	Stress Response Modulation Underlying the Psychobiology of Resilience. Current Psychiatry Reports, 2018, 20, 27.	2.1	32
49	Neurobiology of the Rapid-Acting Antidepressant Effects of Ketamine: Impact and Opportunities. Biological Psychiatry, 2021, 90, 85-95.	0.7	32
50	Sex-stratified gene-by-environment genome-wide interaction study of trauma, posttraumatic-stress, and suicidality. Neurobiology of Stress, 2021, 14, 100309.	1.9	32
51	Are There Effective Psychopharmacologic Treatments for PTSD?. Journal of Clinical Psychiatry, 2018, 80, .	1.1	32
52	White matter microstructural alterations in posttraumatic stress disorder: An ROI and whole-brain based meta-analysis. Journal of Affective Disorders, 2020, 266, 655-670.	2.0	30
53	Salience Network Disruption in U.S. Army Soldiers With Posttraumatic Stress Disorder. Chronic Stress, 2019, 3, 247054701985046.	1.7	29
54	Neurobiology of posttraumatic stress disorder (PTSD): A path from novel pathophysiology to innovative therapeutics. Neuroscience Letters, 2017, 649, 130-132.	1.0	27

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55	Reduced Salience and Enhanced Central Executive Connectivity Following PTSD Treatment. Chronic Stress, 2019, 3, 247054701983897.	1.7	26
56	Repeated ketamine infusions for antidepressant-resistant PTSD: Methods of a multicenter, randomized, placebo-controlled clinical trial. Contemporary Clinical Trials, 2019, 81, 11-18.	0.8	26
57	Combat Exposure Severity Is Associated With Reduced Cortical Thickness in Combat Veterans: A Preliminary Report. Chronic Stress, 2017, 1, 247054701772471.	1.7	25
58	Assessment of brain age in posttraumatic stress disorder: Findings from the ENIGMA PTSD and brain age working groups. Brain and Behavior, 2022, 12, e2413.	1.0	25
59	Behavioral deficits, abnormal corticosterone, and reduced prefrontal metabolites of adolescent rats subject to early life stress. Neuroscience Letters, 2013, 545, 132-137.	1.0	23
60	Whatâ€™s the Buzz About Hydroxynorketamine? Is It the History, the Story, the Debate, or the Promise?. Biological Psychiatry, 2017, 81, e61-e63.	0.7	23
61	Posttraumatic Stress Disorder and Depression Symptom Severities Are Differentially Associated With Hippocampal Subfield Volume Loss in Combat Veterans. Chronic Stress, 2017, 1, 247054701774453.	1.7	23
62	Morphometric hemispheric asymmetry of orbitofrontal cortex in women with borderline personality disorder: A multi-parameter approach. Psychiatry Research - Neuroimaging, 2014, 223, 61-66.	0.9	22
63	A robust and reproducible connectome fingerprint of ketamine is highly associated with the connectomic signature of antidepressants. Neuropsychopharmacology, 2021, 46, 478-485.	2.8	22
64	mTORC1 inhibitor effects on rapid ketamine-induced reductions in suicidal ideation in patients with treatment-resistant depression. Journal of Affective Disorders, 2022, 303, 91-97.	2.0	22
65	Reduced hippocampal N-acetyl-aspartate (NAA) as a biomarker for overweight. NeuroImage: Clinical, 2014, 4, 326-335.	1.4	21
66	Amygdala-Hippocampal Volume and the Phenotypic Heterogeneity of Posttraumatic Stress Disorder. JAMA Psychiatry, 2015, 72, 396.	6.0	21
67	Early-life stress and neurometabolites of the hippocampus. Brain Research, 2010, 1358, 191-199.	1.1	19
68	A Unique Brain Connectome Fingerprint Predates and Predicts Response to Antidepressants. IScience, 2020, 23, 100800.	1.9	19
69	Upregulation of adenosine A2A receptors induced by atypical antipsychotics and its correlation with sensory gating in schizophrenia patients. Psychiatry Research, 2012, 200, 126-132.	1.7	18
70	Altered White Matter Diffusivity of the Cingulum Angular Bundle in Posttraumatic Stress Disorder. Molecular Neuropsychiatry, 2018, 4, 75-82.	3.0	18
71	Ketamine Normalizes the Structural Alterations of Inferior Frontal Gyrus in Depression. Chronic Stress, 2020, 4, 247054702098068.	1.7	18
72	Constraining coupled hydrological-hydraulic flood model by past storm events and post-event measurements in data-sparse regions. Journal of Hydrology, 2018, 565, 160-176.	2.3	17

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73	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. Depression and Anxiety, 2019, 36, 834-845.	2.0	17
74	Ketamine and rapid acting antidepressants: Are we ready to cure, rather than treat depression?. Behavioural Brain Research, 2020, 390, 112628.	1.2	17
75	Transcranial direct current stimulation targeting the medial prefrontal cortex modulates functional connectivity and enhances safety learning in obsessiveâ€compulsive disorder: Results from two pilot studies. Depression and Anxiety, 2022, 39, 37-48.	2.0	17
76	Riluzole effect on occipital cortex: A structural and spectroscopy pilot study. Neuroscience Letters, 2012, 530, 103-107.	1.0	16
77	Impact of childhood emotional abuse on neocortical neurometabolites and complex emotional processing in patients with generalized anxiety disorder. Journal of Affective Disorders, 2016, 190, 414-423.	2.0	15
78	Increased Cortical Thickness in Patients With Major Depressive Disorder Following Antidepressant Treatment. Chronic Stress, 2020, 4, 247054701989996.	1.7	15
79	STRONG STAR and the Consortium to Alleviate PTSD: Shaping the future of combat PTSD and related conditions in military and veteran populations. Contemporary Clinical Trials, 2021, 110, 106583.	0.8	15
80	Posttraumatic stress disorder: An integrated overview of the neurobiological rationale for pharmacology.. Clinical Psychology: Science and Practice, 2017, 24, 281-297.	0.6	14
81	A Review of fMRI Affective Processing Paradigms Used in the Neurobiological Study of Posttraumatic Stress Disorder. Chronic Stress, 2019, 3, 247054701982903.	1.7	12
82	Early life stress and glutamate neurotransmission in major depressive disorder. European Neuropsychopharmacology, 2020, 35, 71-80.	0.3	12
83	(2R,6R)-Hydroxynorketamine (HNK) plasma level predicts poor antidepressant response: is this the end of the HNK pipeline?. Neuropsychopharmacology, 2020, 45, 1245-1246.	2.8	12
84	Locus Coeruleus Hyperactivity in Posttraumatic Stress Disorder: Answers and Questions. Biological Psychiatry, 2018, 83, 197-199.	0.7	11
85	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. Catena, 2019, 176, 264-278.	2.2	11
86	Neurobiology of Maternal Stress: Role of Social Rank and Central Oxytocin in Hypothalamicâ€“Pituitary Adrenal Axis Modulation. Frontiers in Psychiatry, 2015, 6, 100.	1.3	10
87	Pretreatment Brain Connectome Fingerprint Predicts Treatment Response in Major Depressive Disorder. Chronic Stress, 2020, 4, 247054702098472.	1.7	10
88	Investigational drugs for assisting psychotherapy for posttraumatic stress disorder (PTSD): emerging approaches and shifting paradigms in the era of psychedelic medicine. Expert Opinion on Investigational Drugs, 2022, 31, 133-137.	1.9	10
89	A history of early life parental loss or separation is associated with successful cognitive-behavioral therapy in major depressive disorder. Journal of Affective Disorders, 2015, 187, 241-244.	2.0	9
90	Topology of brain functional connectivity networks in posttraumatic stress disorder. Data in Brief, 2018, 20, 1658-1675.	0.5	8

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91	Chronic stress pathology and ketamine-induced alterations in functional connectivity in major depressive disorder: An abridged review of the clinical evidence. Advances in Pharmacology, 2020, 89, 163-194.	1.2	8
92	On the use of the Land Degradation Neutrality concept in mediterranean watersheds for land restoration and erosion counteraction. Journal of Arid Environments, 2021, 188, 104465.	1.2	8
93	Prefrontal Glutamate Neurotransmission in PTSD: A Novel Approach to Estimate Synaptic Strength in Vivo in Humans. Chronic Stress, 2022, 6, 247054702210927.	1.7	8
94	Imaging synaptic density in depression. Neuropsychopharmacology, 2023, 48, 186-190.	2.8	8
95	Diffusion tensor imaging in studying white matter complexity: A gap junction hypothesis. Neuroscience Letters, 2010, 475, 161-164.	1.0	7
96	Patterns of anterior versus posterior white matter fractional anistotropy concordance in adult nonhuman primates: Effects of early life stress. Journal of Affective Disorders, 2016, 192, 167-175.	2.0	7
97	Effects of Acute Confinement Stress-induced Hypothalamic-pituitary Adrenal Axis Activation and Concomitant Peripheral and Central Transforming Growth Factor-Î²1 Measures in Nonhuman Primates. Chronic Stress, 2017, 1, 247054701668869.	1.7	7
98	Neurobiology of the dorsolateral prefrontal cortex in GAD: Aberrant neurometabolic correlation to hippocampus and relationship to anxiety sensitivity and IQ. Journal of Affective Disorders, 2018, 229, 1-13.	2.0	7
99	Assessing the Impact of Manâ€“Made Ponds on Soil Erosion and Sediment Transport in Limnological Basins. Water (Switzerland), 2019, 11, 2526.	1.2	7
100	Glutamate and norepinephrine interaction: Relevance to higher cognitive operations and psychopathology. Behavioral and Brain Sciences, 2016, 39, e201.	0.4	6
101	Early Life Stress Associated With Increased Striatal N-Acetyl-Aspartate: Cerebrospinal Fluid Corticotropin-Releasing Factor Concentrations, Hippocampal Volume, Body Mass, and Behavioral Correlates. Chronic Stress, 2018, 2, 247054701876845.	1.7	6
102	Effects of Smoking Status and State on Intrinsic Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 895-904.	1.1	6
103	A framework for investigating the land degradation neutrality â€“ Disaster risk reduction nexus at the sub-national scales. Journal of Arid Environments, 2021, 195, 104635.	1.2	6
104	Neurobiological Mechanisms of Ketamine: Depression, Suicide, Trauma, and Chronic Stress Pathologies. Psychiatric Annals, 2020, 50, 48-53.	0.1	6
105	Metabolic syndrome and neurometabolic asymmetry of hippocampus in adult bonnet monkeys. Physiology and Behavior, 2011, 103, 535-539.	1.0	4
106	Neurobiological studies of trauma-related psychopathology: a public health perspective. HÃ¶gre Utbildning, 2018, 9, 1556554.	1.4	4
107	Smoking status links habenular volume to glycated hemoglobin: Findings from the Human Connectome Project-Young Adult. Psychoneuroendocrinology, 2021, 131, 105321.	1.3	4
108	A GIS framework for the application of the land degradation neutrality concept in Mediterranean landscapes. Geocarto International, 2022, 37, 10767-10797.	1.7	4

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109	581. The Default Mode Network in Posttraumatic Stress Disorder (PTSD): A Data-Driven Multimodal Approach. Biological Psychiatry, 2017, 81, S235.	0.7	3
110	Novel approaches to estimate prefrontal synaptic strength in vivo in humans: of relevance to depression, schizophrenia, and ketamine. Neuropsychopharmacology, 2022, 47, 399-400.	2.8	3
111	87. Volume of Sub-Cortical Structures in Posttraumatic Stress Disorder from Multi-Site Investigation by ENIGMA and PGC Consortia. Biological Psychiatry, 2017, 81, S36-S37.	0.7	2
112	Neuroimaging Phenotypes Implicated For GWAS of PTSD Through The PGC And ENIGMA Worldwide Consortia. European Neuropsychopharmacology, 2019, 29, S750-S751.	0.3	2
113	Of Forests and Trees: Bridging the Gap Between Neurobiology and Behavior in Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 135-137.	1.1	2
114	Risks (I): Forest Fire, Mass Movements and Human Activities. , 2019, , 80-81.		2
115	Brain Networks Associated With COVID-19 Risk: Data From 3662 Participants. Chronic Stress, 2021, 5, 247054702110667.	1.7	2
116	Remodeling of the Cortical Structural Connectome in Posttraumatic Stress Disorder: Results From the ENIGMA-PGC Posttraumatic Stress Disorder Consortium. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 935-948.	1.1	2
117	Ketamineâ€™s Mechanism of Rapid Antidepressant Activity: Evidence Gleaned from Clinical Studies. , 2016, , 99-121.		1
118	67. Ketamine-induced Changes in Neural Noise and their Relationship to Psychosis-like Symptoms. Biological Psychiatry, 2017, 81, S28.	0.7	0
119	A New Journal: Addressing the Behavioral and Biological Effects of Chronic Stress. Chronic Stress, 2017, 1, 247054701668329.	1.7	0
120	F152. Determining Human Brain Modular Architecture Using Subject-Level Functional Multilayer Networks. Biological Psychiatry, 2018, 83, S297.	0.7	0
121	When the â€œGolden Chainâ€•Breaks: Sleep Disturbance and the Vicious Cycle of Chronic Stress. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 1018-1020.	1.1	0
122	A Shift in Executive Connectivity Predates and Predicts Response to Treatment in Major Depressive Disorder. Biological Psychiatry, 2020, 87, S107.	0.7	0