Michelle L Byrne

List of Publications by Year
in descending order

69 papers	3,344 citations	201674 27 h-index	155660 55 g-index
83 all docs	83 docs citations	83 times ranked	5587 citing authors

#	Article	IF	Citations
1	So depression is an inflammatory disease, but where does the inflammation come from?. BMC Medicine, 2013, 11, 200.	5.5	993
2	Structural Brain Development and Depression Onset During Adolescence: A Prospective Longitudinal Study. American Journal of Psychiatry, 2014, 171, 564-571.	7.2	184
3	Role of Positive Parenting in the Association Between Neighborhood Social Disadvantage and Brain Development Across Adolescence. JAMA Psychiatry, 2017, 74, 824.	11.0	126
4	Acute phase protein and cytokine levels in serum and saliva: A comparison of detectable levels and correlations in a depressed and healthy adolescent sample. Brain, Behavior, and Immunity, 2013, 34, 164-175.	4.1	122
5	A systematic review of adrenarche as a sensitive period in neurobiological development and mental health. Developmental Cognitive Neuroscience, 2017, 25, 12-28.	4.0	110
6	Replication and reproducibility issues in the relationship between C-reactive protein and depression: A systematic review and focused meta-analysis. Brain, Behavior, and Immunity, 2018, 73, 85-114.	4.1	99
7	Functional brain-imaging correlates of negative affectivity and the onset of first-episode depression. Psychological Medicine, 2015, 45, 1001-1009.	4.5	95
8	Pilot study of a mindfulnessâ€based, multiâ€component, inâ€school group sleep intervention in adolescent girls. Microbial Biotechnology, 2013, 7, 213-220.	1.7	94
9	Maternal Positive and Negative Interaction Behaviors and Early Adolescents' Depressive Symptoms: Adolescent Emotion Regulation as a Mediator. Journal of Research on Adolescence, 2010, 20, 1014-1043.	3.7	79
10	Sleep Duration and Sleep Quality: Associations With Depressive Symptoms Across Adolescence. Behavioral Sleep Medicine, 2017, 15, 198-215.	2.1	77
11	The lifetime experience of traumatic events is associated with hair cortisol concentrations in community-based children. Psychoneuroendocrinology, 2016, 63, 276-281.	2.7	70
12	Parenting During Early Adolescence and Adolescent-Onset Major Depression. Clinical Psychological Science, 2014, 2, 272-286.	4.0	65
13	Longitudinal Trajectories of Depression Symptoms in Adolescence: Psychosocial Risk Factors and Outcomes. Child Psychiatry and Human Development, 2017, 48, 554-571.	1.9	64
14	To exclude or not to exclude: Considerations and recommendations for C-reactive protein values higher than 10Âmg/L. Brain, Behavior, and Immunity, 2020, 87, 898-900.	4.1	58
15	The Effortless Assessment of Risk States (EARS) Tool: An Interpersonal Approach to Mobile Sensing. JMIR Mental Health, 2018, 5, e10334.	3.3	57
16	Associations between early adrenarche, affective brain function and mental health in children. Social Cognitive and Affective Neuroscience, 2015, 10, 1282-1290.	3.0	52
17	Adolescent-Onset Depression: Are Obesity and Inflammation Developmental Mechanisms or Outcomes?. Child Psychiatry and Human Development, 2015, 46, 839-850.	1.9	49
18	Maternal Parenting Behaviors and Adolescent Depression: The Mediating Role of Rumination. Journal of Clinical Child and Adolescent Psychology, 2013, 42, 348-357.	3.4	45

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19	The Role of Brain Structure and Function in the Association Between Inflammation and Depressive Symptoms. Psychosomatic Medicine, 2016, 78, 389-400.	2.0	42
20	Affective Parenting Behaviors, Adolescent Depression, and Brain Development: A Review of Findings From the Orygen Adolescent Development Study. Child Development Perspectives, 2017, 11, 90-96.	3.9	42
21	Making an unknown unknown a known unknown: Missing data in longitudinal neuroimaging studies. Developmental Cognitive Neuroscience, 2018, 33, 83-98.	4.0	38
22	Pituitary volume mediates the relationship between pubertal timing and depressive symptoms during adolescence. Psychoneuroendocrinology, 2012, 37, 881-891.	2.7	37
23	Autonomic cardiac control in depressed adolescents. Depression and Anxiety, 2010, 27, 1050-1056.	4.1	36
24	A Researcherâ€™s Guide to the Measurement and Modeling of Puberty in the ABCD StudyÂ® at Baseline. Frontiers in Endocrinology, 2021, 12, 608575.	3.5	34
25	Mapping the relationship between subgenual cingulate cortex functional connectivity and depressive symptoms across adolescence. Social Cognitive and Affective Neuroscience, 2015, 10, 961-968.	3.0	32
26	Study protocol: Imaging brain development in the Childhood to Adolescence Transition Study (iCATS). BMC Pediatrics, 2014, 14, 115.	1.7	31
27	Dualâ€axis hormonal covariation in adolescence and the moderating influence of prior trauma and aversive maternal parenting. Developmental Psychobiology, 2015, 57, 670-687.	1.6	31
28	Amygdala Resting Connectivity Mediates Association Between Maternal Aggression and Adolescent Major Depression: A 7-Year Longitudinal Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2017, 56, 983-991.e3.	0.5	31
29	Dispositional mindfulness is predicted by structural development of the insula during late adolescence. Developmental Cognitive Neuroscience, 2015, 14, 62-70.	4.0	26
30	Associations between dehydroepiandrosterone (DHEA) levels, pituitary volume, and social anxiety in children. Psychoneuroendocrinology, 2016, 64, 31-39.	2.7	26
31	Early physiological markers of cardiovascular risk in community based adolescents with a depressive disorder. Journal of Affective Disorders, 2015, 175, 403-410.	4.1	25
32	Self-reported parenting style is associated with childrenâ€™s inflammation and immune activation.. Journal of Family Psychology, 2017, 31, 374-380.	1.3	25
33	Reduced frontal white matter volume in children with early onset of adrenarche. Psychoneuroendocrinology, 2015, 52, 111-118.	2.7	23
34	Association between serotonin transporter genotype, brain structure and adolescent-onset major depressive disorder: a longitudinal prospective study. Translational Psychiatry, 2014, 4, e445-e445.	4.8	22
35	Impaired Maturation of Cognitive Control in Adolescents Who Develop Major Depressive Disorder. Journal of Clinical Child and Adolescent Psychology, 2016, 45, 31-43.	3.4	22
36	Childhood maltreatment, psychopathology, and the development of hippocampal subregions during adolescence. Brain and Behavior, 2017, 7, e00607.	2.2	22

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37	Study protocol: families and childhood transitions study (FACTS) â€“ a longitudinal investigation of the role of the family environment in brain development and risk for mental health disorders in community based children. BMC Pediatrics, 2017, 17, 153.	1.7	21
38	Depression, immune function, and early adrenarche in children. Psychoneuroendocrinology, 2016, 63, 228-234.	2.7	20
39	Cortico-amygdalar maturational coupling is associated with depressive symptom trajectories during adolescence. NeuroImage, 2017, 156, 403-411.	4.2	20
40	Neonatal physiological regulation is associated with perinatal factors: A study of neonates born to healthy African American women living in poverty. Infant Mental Health Journal, 2009, 30, 82-94.	1.8	19
41	Multimethod assessment of pubertal timing and associations with internalizing psychopathology in early adolescent girls.. , 2022, 131, 14-25.		19
42	Brain structural connectivity during adrenarche: Associations between hormone levels and white matter microstructure. Psychoneuroendocrinology, 2018, 88, 70-77.	2.7	18
43	Associations between adrenarcheal hormones, amygdala functional connectivity and anxiety symptoms in children. Psychoneuroendocrinology, 2018, 97, 156-163.	2.7	17
44	Maternal parenting behavior and functional connectivity development in children: A longitudinal fMRI study. Developmental Cognitive Neuroscience, 2021, 48, 100946.	4.0	16
45	Adrenarcheal Timing Longitudinally Predicts Anxiety Symptoms via Amygdala Connectivity During Emotion Processing. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 739-748.e2.	0.5	15
46	Modeling Developmental Change: Contemporary Approaches to Key Methodological Challenges in Developmental Neuroimaging. Developmental Cognitive Neuroscience, 2018, 33, 1-4.	4.0	12
47	Early adolescent drinking and cannabis use predicts later sleep-quality problems.. Psychology of Addictive Behaviors, 2019, 33, 266-273.	2.1	12
48	Associations between observed parenting behavior and adolescent inflammation two and a half years later in a community sample.. Health Psychology, 2017, 36, 641-651.	1.6	12
49	Trait positive affect is associated with hippocampal volume and change in caudate volume across adolescence. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 80-94.	2.0	11
50	Does Context Matter? A Multi-Method Assessment of Affect in Adolescent Depression Across Multiple Affective Interaction Contexts. Clinical Psychological Science, 2017, 5, 239-258.	4.0	11
51	Adolescent temperament dimensions as stable prospective risk and protective factors for salivary Câ€reactive protein. British Journal of Health Psychology, 2018, 23, 186-207.	3.5	11
52	Affective behavior and temperament predict the onset of smoking in adolescence.. Psychology of Addictive Behaviors, 2015, 29, 347-354.	2.1	10
53	Salivary C-reactive protein among at-risk adolescents: A methods investigation of out of range immunoassay data. Psychoneuroendocrinology, 2019, 99, 104-111.	2.7	10
54	Factor Structure of the Early Adolescent Temperament Questionnaireâ€“Revised. Assessment, 2020, 27, 1547-1561.	3.1	10

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55	Nocturnal indicators of increased cardiovascular risk in depressed adolescent girls. Journal of Sleep Research, 2016, 25, 216-224.	3.2	9
56	Physiological correlates of emotional reactivity and regulation in early adolescents. Biological Psychology, 2017, 127, 229-238.	2.2	8
57	Family metaâ€emotion and the onset of major depressive disorder in adolescence: A prospective longitudinal study. Social Development, 2018, 27, 526-542.	1.3	8
58	Adolescent sympathetic activity and salivary C-reactive protein: The effects of parental behavior.. Health Psychology, 2017, 36, 955-965.	1.6	8
59	Study Protocol: Transitions in Adolescent Girls (TAG). Frontiers in Psychiatry, 2019, 10, 1018.	2.6	7
60	Salivary Bioscience, Immunity, and Inflammation. , 2020, , 177-213.		7
61	Duration of Breastfeeding and Subsequent Adolescent Obesity: Effects of Maternal Behavior and Socioeconomic Status. Journal of Adolescent Health, 2018, 62, 471-479.	2.5	6
62	Temperament and Symptom Pathways to the Development of Adolescent Depression. Journal of Abnormal Child Psychology, 2020, 48, 839-849.	3.5	6
63	Using mobile sensing data to assess stress: Associations with perceived and lifetime stress, mental health, sleep, and inflammation. Digital Health, 2021, 7, 205520762110372.	1.8	5
64	The Link Between Positive and Negative Parenting Behaviors and Child Inflammation: A Systematic Review. Child Psychiatry and Human Development, 2023, 54, 51-65.	1.9	5
65	Neurodevelopmental Trajectories Related to Attention Problems Predict Driving-Related Risk Behaviors. Journal of Attention Disorders, 2019, 23, 1346-1355.	2.6	3
66	The ratio of morning cortisol to CRP prospectively predicts first-onset depression in at-risk adolescents. Social Science and Medicine, 2021, 281, 114098.	3.8	3
67	Assessing the Degree of Ecological Validity of Your Study: Introducing the Multidimensional Assessment of Research in Context (<scp>MARC</scp>) Tool. Mind, Brain, and Education, 0, , .	1.9	2
68	Case sensitive: Why we should work to identify sensitive developmental periods in PsychoNeuroImmunology. Brain, Behavior, and Immunity, 2019, 80, 8-9.	4.1	1
69	Adrenarchal status as a moderator of a depressionâ€“inflammation relation in children. Brain, Behavior, and Immunity, 2015, 49, e27.	4.1	0