

# Ian M Colrain

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12027394/publications.pdf>

Version: 2024-02-01

126  
papers

7,785  
citations

47006

47  
h-index

58581

82  
g-index

126  
all docs

126  
docs citations

126  
times ranked

7878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk for depression tripled during the COVID-19 pandemic in emerging adults followed for the last 8 years. <i>Psychological Medicine</i> , 2023, 53, 2156-2163.	4.5	12
2	Prior test experience confounds longitudinal tracking of adolescent cognitive and motor development. <i>BMC Medical Research Methodology</i> , 2022, 22, .	3.1	0
3	Adolescent alcohol use disrupts functional neurodevelopment in sensation seeking girls. <i>Addiction Biology</i> , 2021, 26, e12914.	2.6	12
4	Stress, sleep, and autonomic function in healthy adolescent girls and boys: Findings from the NCANDA study. <i>Sleep Health</i> , 2021, 7, 72-78.	2.5	6
5	Impact of evening alcohol consumption on nocturnal autonomic and cardiovascular function in adult men and women: a doseâ€‘response laboratory investigation. <i>Sleep</i> , 2021, 44, .	1.1	7
6	Association of Heavy Drinking With Deviant Fiber Tract Development in Frontal Brain Systems in Adolescents. <i>JAMA Psychiatry</i> , 2021, 78, 407.	11.0	25
7	Physiological responses to acute psychosocial stress in women with menopausal insomnia. <i>International Journal of Psychophysiology</i> , 2021, 164, 87-94.	1.0	3
8	Effects of age, sex, and puberty on neural efficiency of cognitive and motor control in adolescents. <i>Brain Imaging and Behavior</i> , 2020, 14, 1089-1107.	2.1	15
9	Alcohol use disorder and sleep disturbances: a feed-forward allostatic framework. <i>Neuropsychopharmacology</i> , 2020, 45, 141-165.	5.4	142
10	Disturbed Cerebellar Growth Trajectories in Adolescents Who Initiate Alcohol Drinking. <i>Biological Psychiatry</i> , 2020, 87, 632-644.	1.3	32
11	Evoked K-complexes and altered interaction between the central and autonomic nervous systems during sleep in alcohol use disorder. <i>Alcohol</i> , 2020, 84, 1-7.	1.7	1
12	The falling asleep process in adolescents. <i>Sleep</i> , 2020, 43, .	1.1	10
13	When sleep goes virtual: the potential of using virtual reality at bedtime to facilitate sleep. <i>Sleep</i> , 2020, 43, .	1.1	8
14	Performance of a commercial multi-sensor wearable (Fitbit Charge HR) in measuring physical activity and sleep in healthy children. <i>PLoS ONE</i> , 2020, 15, e0237719.	2.5	47
15	Sleep Disturbance Predicts Depression Symptoms in Early Adolescence: Initial Findings From the Adolescent Brain Cognitive Development Study. <i>Journal of Adolescent Health</i> , 2020, 66, 567-574.	2.5	62
16	0402 Pre-Sleep Psychophysiological Downregulation in Women with Insomnia Symptoms. <i>Sleep</i> , 2019, 42, A163-A163.	1.1	0
17	Sleep spindle characteristics in adolescents. <i>Clinical Neurophysiology</i> , 2019, 130, 893-902.	1.5	39
18	Automatic analysis of preâ€‘ejction period during sleep using impedance cardiogram. <i>Psychophysiology</i> , 2019, 56, e13355.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Reducing bedtime physiological arousal levels using immersive audio-visual respiratory bio-feedback: a pilot study in women with insomnia symptoms. <i>Journal of Behavioral Medicine</i> , 2019, 42, 973-983.	2.1	12
20	Electroencephalographic Slow-Wave Activity During Sleep in Different Phases of Blood Pressure and Respiration Oscillations. , 2019, 2019, 2564-2567.		3
21	Wearable Sleep Technology in Clinical and Research Settings. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1538-1557.	0.4	270
22	The Sleep of the Ring: Comparison of the ÅCEURA Sleep Tracker Against Polysomnography. <i>Behavioral Sleep Medicine</i> , 2019, 17, 124-136.	2.1	161
23	Dynamic coupling between the central and autonomic nervous systems during sleep: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 84-103.	6.1	127
24	Effects of sleep on substance use in adolescents: a longitudinal perspective. <i>Addiction Biology</i> , 2018, 23, 750-760.	2.6	45
25	Insomnia disorder in adolescence: Diagnosis, impact, and treatment. <i>Sleep Medicine Reviews</i> , 2018, 39, 12-24.	8.5	227
26	Altered Brain Developmental Trajectories in Adolescents After Initiating Drinking. <i>American Journal of Psychiatry</i> , 2018, 175, 370-380.	7.2	133
27	The mediating role of cortical thickness and gray matter volume on sleep slow-wave activity during adolescence. <i>Brain Structure and Function</i> , 2018, 223, 669-685.	2.3	56
28	A validation study of Fitbit Charge 2 compared with polysomnography in adults. <i>Chronobiology International</i> , 2018, 35, 465-476.	2.0	284
29	Sex- and Age-Dependent Differences in Autonomic Nervous System Functioning in Adolescents. <i>Journal of Adolescent Health</i> , 2018, 62, 184-190.	2.5	22
30	Influences of Age, Sex, and Moderate Alcohol Drinking on the Intrinsic Functional Architecture of Adolescent Brains. <i>Cerebral Cortex</i> , 2018, 28, 1049-1063.	2.9	33
31	Sleep problems during the menopausal transition: prevalence, impact, and management challenges. <i>Nature and Science of Sleep</i> , 2018, Volume 10, 73-95.	2.7	166
32	Effects of prior testing lasting a full year in NCANDA adolescents: Contributions from age, sex, socioeconomic status, ethnicity, site, family history of alcohol or drug abuse, and baseline performance. <i>Developmental Cognitive Neuroscience</i> , 2017, 24, 72-83.	4.0	15
33	Eveningness and Later Sleep Timing Are Associated with Greater Risk for Alcohol and Marijuana Use in Adolescence: Initial Findings from the National Consortium on Alcohol and Neurodevelopment in Adolescence Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 1154-1165.	2.4	75
34	Altered nocturnal blood pressure profiles in women with insomnia disorder in the menopausal transition. <i>Menopause</i> , 2017, 24, 278-287.	2.0	11
35	Menstrual cycle-related variation in autonomic nervous system functioning in women in the early menopausal transition with and without insomnia disorder. <i>Psychoneuroendocrinology</i> , 2017, 75, 44-51.	2.7	24
36	Structural brain anomalies in healthy adolescents in the NCANDA cohort: relation to neuropsychological test performance, sex, and ethnicity. <i>Brain Imaging and Behavior</i> , 2017, 11, 1302-1315.	2.1	16

#	ARTICLE	IF	CITATIONS
37	Adolescent Executive Dysfunction in Daily Life: Relationships to Risks, Brain Structure and Substance Use. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 223.	2.0	23
38	K-Complexes: Interaction between the Central and Autonomic Nervous Systems during Sleep. <i>Sleep</i> , 2016, 39, 1129-1137.	1.1	33
39	Acute stress alters autonomic modulation during sleep in women approaching menopause. <i>Psychoneuroendocrinology</i> , 2016, 66, 1-10.	2.7	24
40	Cognitive, emotion control, and motor performance of adolescents in the NCANDA study: Contributions from alcohol consumption, age, sex, ethnicity, and family history of addiction.. <i>Neuropsychology</i> , 2016, 30, 449-473.	1.3	56
41	Age-Related Differences in Sleep Architecture and Electroencephalogram in Adolescents in the National Consortium on Alcohol and Neurodevelopment in Adolescence Sample. <i>Sleep</i> , 2016, 39, 1429-1439.	1.1	48
42	The Boom in Wearable Technology: Cause for Alarm or Just What is Needed to Better Understand Sleep?. <i>Sleep</i> , 2016, 39, 1761-1762.	1.1	39
43	Harmonizing DTI measurements across scanners to examine the development of white matter microstructure in 803 adolescents of the NCANDA study. <i>NeuroImage</i> , 2016, 130, 194-213.	4.2	85
44	Brain metabolite levels in recently sober individuals with alcohol use disorder: Relation to drinking variables and relapse. <i>Psychiatry Research - Neuroimaging</i> , 2016, 250, 42-49.	1.8	19
45	Measures of sleep and cardiac functioning during sleep using a multi-sensory commercially-available wristband in adolescents. <i>Physiology and Behavior</i> , 2016, 158, 143-149.	2.1	179
46	Adolescent Development of Cortical and White Matter Structure in the NCANDA Sample: Role of Sex, Ethnicity, Puberty, and Alcohol Drinking. <i>Cerebral Cortex</i> , 2016, 26, 4101-4121.	2.9	115
47	The National Consortium on Alcohol and NeuroDevelopment in Adolescence (NCANDA): A Multisite Study of Adolescent Development and Substance Use. <i>Journal of Studies on Alcohol and Drugs</i> , 2015, 76, 895-908.	1.0	181
48	Partial K-Complex Recovery Following Short-Term Abstinence in Individuals with Alcohol Use Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 1417-1424.	2.4	11
49	Validation of Sleep-Tracking Technology Compared with Polysomnography in Adolescents. <i>Sleep</i> , 2015, 38, 1461-1468.	1.1	130
50	The Acute Effects of Alcohol on Sleep Electroencephalogram Power Spectra in Late Adolescence. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 291-299.	2.4	25
51	Cardiac autonomic function during sleep: Effects of alcohol dependence and evidence of partial recovery with abstinence. <i>Alcohol</i> , 2015, 49, 409-415.	1.7	15
52	Insomnia in women approaching menopause: Beyond perception. <i>Psychoneuroendocrinology</i> , 2015, 60, 96-104.	2.7	73
53	Interaction between Reproductive Hormones and Physiological Sleep in Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1426-1433.	3.6	56
54	Family History of Alcoholism and Brain Activation: Commentary on "Increased Forebrain Activations in Youths with Family Histories of Alcohol and Other Substance Use Disorders Performing a Go/No-Go Task". <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 403-404.	2.4	1

#	ARTICLE	IF	CITATIONS
55	Menstrual Cycle-Related Variation in Physiological Sleep in Women in the Early Menopausal Transition. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2918-2926.	3.6	49
56	Evaluation of a consumer fitness-tracking device to assess sleep in adults. <i>Chronobiology International</i> , 2015, 32, 1024-1028.	2.0	101
57	Poor Autonomic Nervous System Functioning During Sleep in Recently Detoxified Alcohol-Dependent Men and Women. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 1373-1380.	2.4	15
58	Magnitude of the impact of hot flashes on sleep in perimenopausal women. <i>Fertility and Sterility</i> , 2014, 102, 1708-1715.e1.	1.0	91
59	Association between personality traits and DSM-IV diagnosis of insomnia in peri- and postmenopausal women. <i>Menopause</i> , 2014, 21, 602-611.	2.0	32
60	Alcohol and the sleeping brain. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2014, 125, 415-431.	1.8	113
61	Nocturnal cardiac autonomic profile in young primary insomniacs and good sleepers. <i>International Journal of Psychophysiology</i> , 2014, 93, 332-339.	1.0	40
62	If a tree doesn't fall in a forest ? <i>Clinical Neurophysiology</i> , 2014, 125, 1507-1508.	1.5	0
63	Autonomic regulation across phases of the menstrual cycle and sleep stages in women with premenstrual syndrome and healthy controls. <i>Psychoneuroendocrinology</i> , 2013, 38, 2618-2627.	2.7	56
64	The Acute Effects of Alcohol on Sleep Architecture in Late Adolescence. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1720-1728.	2.4	48
65	A multicenter evaluation of oral pressure therapy for the treatment of obstructive sleep apnea. <i>Sleep Medicine</i> , 2013, 14, 830-837.	1.6	60
66	Variation in longitudinal trajectories of regional brain volumes of healthy men and women (ages 10-18). <i>Biological Psychiatry</i> , 2013, 74, 220-227.	4.2	220
67	Respiratory and Auditory Cortical Processing in Children with Obstructive Sleep Apnea Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 852-857.	5.6	18
68	Vagal withdrawal during hot flashes occurring in undisturbed sleep. <i>Menopause</i> , 2013, 20, 1147-1153.	2.0	28
69	Sleep EEG as a Potential Marker of Alcoholism Predisposition? Commentary on "Adolescence and Parental History of Alcoholism: Insights from the Sleep EEG". <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 1477-1478.	2.4	4
70	K-complexes are not preferentially evoked to combat sounds in combat-exposed Vietnam veterans with and without post-traumatic stress disorder. <i>International Journal of Psychophysiology</i> , 2012, 83, 393-398.	1.0	2
71	Partial Recovery of Alcohol Dependence-Related Deficits in Sleep Evoked Potentials Following 12-Months of Abstinence. <i>Frontiers in Neurology</i> , 2012, 3, 13.	2.4	12
72	Editorial Focus: Sleep need in adolescence. Focus on: "The maturational trajectories of NREM and REM sleep durations differ across adolescence on both school-night and extended sleep." <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R531-R532.	1.8	2

#	ARTICLE	IF	CITATIONS
73	Heightened Awareness in Insomnia. <i>Sleep</i> , 2012, 35, 451-452.	1.1	0
74	Perceived poor sleep quality in the absence of polysomnographic sleep disturbance in women with severe premenstrual syndrome. <i>Journal of Sleep Research</i> , 2012, 21, 535-545.	3.2	81
75	Developmental change in regional brain structure over 7 months in early adolescence: Comparison of approaches for longitudinal atlas-based parcellation. <i>NeuroImage</i> , 2011, 57, 214-224.	4.2	57
76	Independent Contributions of Cortical Gray Matter, Aging, Sex and Alcoholism to K-Complex Amplitude Evoked During Sleep. <i>Sleep</i> , 2011, 34, 787-795.	1.1	22
77	Sleep EEG, the Clearest Window through which to View Adolescent Brain Development. <i>Sleep</i> , 2011, 34, 1287-1288.	1.1	7
78	Cortical aspects of breathing control and sensation: A comment on von Leupoldt et al. (2010), "Cortical sources of the respiratory-related evoked potential". <i>Respiratory Physiology and Neurobiology</i> , 2011, 175, 210-211.	1.6	0
79	Changes in Sleep as a Function of Adolescent Development. <i>Neuropsychology Review</i> , 2011, 21, 5-21.	4.9	286
80	Personality disorders in women with severe premenstrual syndrome. <i>Archives of Women's Mental Health</i> , 2011, 14, 257-264.	2.6	27
81	Electrophysiological evidence of enhanced performance monitoring in recently abstinent alcoholic men. <i>Psychopharmacology</i> , 2011, 213, 81-91.	3.1	34
82	Frontally mediated inhibitory processing and white matter microstructure: age and alcoholism effects. <i>Psychopharmacology</i> , 2011, 213, 669-679.	3.1	73
83	Daytime sleepiness, psychomotor performance, waking EEG spectra and evoked potentials in women with severe premenstrual syndrome. <i>Journal of Sleep Research</i> , 2010, 19, 214-227.	3.2	40
84	Sleep evoked delta frequency responses show a linear decline in amplitude across the adult lifespan. <i>Neurobiology of Aging</i> , 2010, 31, 874-883.	3.1	52
85	Impact of Alcoholism on Sleep Architecture and EEG Power Spectra in Men and Women. <i>Sleep</i> , 2009, 32, 1341-1352.	1.1	80
86	The Impact of Alcoholism on Sleep Evoked $\delta$ Frequency Responses. <i>Biological Psychiatry</i> , 2009, 66, 177-184.	1.3	39
87	Reduced parasympathetic activity during sleep in the symptomatic phase of severe premenstrual syndrome. <i>Journal of Psychosomatic Research</i> , 2008, 65, 13-22.	2.6	52
88	Sleep and Menstrual-Related Disorders. <i>Sleep Medicine Clinics</i> , 2008, 3, 25-35.	2.6	21
89	Cortical Processing of Respiratory Occlusion Stimuli in Children with Central Hypoventilation Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 757-764.	5.6	14
90	Cortical Processing of Respiratory Afferent Stimuli during Sleep in Children with the Obstructive Sleep Apnea Syndrome. <i>Sleep</i> , 2008, 31, 403-410.	1.1	24

#	ARTICLE	IF	CITATIONS
91	A Pilot Evaluation of a Nasal Expiratory Resistance Device for the Treatment of Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2008, 04, 426-433.	2.6	37
92	A pilot evaluation of a nasal expiratory resistance device for the treatment of obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2008, 4, 426-33.	2.6	19
93	Sleep Quality and the Sleep Electroencephalogram in Women with Severe Premenstrual Syndrome. <i>Sleep</i> , 2007, 30, 1283-1291.	1.1	114
94	The use of evoked potentials in sleep research. <i>Sleep Medicine Reviews</i> , 2007, 11, 277-293.	8.5	110
95	The impact of slow wave sleep proximity on evoked K-complex generation. <i>Neuroscience Letters</i> , 2006, 404, 127-131.	2.1	19
96	Differentiating Pathologic Delta From Healthy Physiologic Delta in Patients With Alzheimer Disease. <i>Sleep</i> , 2005, 28, 865-870.	1.1	37
97	Chapter 11 Evoked potentials during non-REM sleep: utility and functional significance. <i>Handbook of Clinical Neurophysiology</i> , 2005, , 125-135.	0.0	1
98	The K-Complex: A 7-Decade History. <i>Sleep</i> , 2005, 28, 255-273.	1.1	207
99	P300 from inspiratory occlusion reflects orienting but not startle. <i>Biological Psychology</i> , 2004, 66, 21-33.	2.2	10
100	Evoked K-complex generation: the impact of sleep spindles and age. <i>Clinical Neurophysiology</i> , 2004, 115, 471-476.	1.5	30
101	A review of the evidence for P2 being an independent component process: age, sleep and modality. <i>Clinical Neurophysiology</i> , 2004, 115, 732-744.	1.5	663
102	Sleep and respiratory stimulus specific dampening of cortical responsiveness in OSAS. <i>Respiratory Physiology and Neurobiology</i> , 2003, 136, 221-234.	1.6	70
103	Evidence of a Sleep-Specific Blunted Cortical Response to Inspiratory Occlusions in Mild Obstructive Sleep Apnea Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 1225-1234.	5.6	58
104	P3-Specific Amplitude Reductions to Respiratory and Auditory Stimuli in Subjects with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 47-52.	5.6	41
105	The effects of normal aging on sleep spindle and K-complex production. <i>Clinical Neurophysiology</i> , 2002, 113, 1615-1622.	1.5	214
106	Event-related potential measures of the inhibition of information processing: II. The sleep onset period. <i>International Journal of Psychophysiology</i> , 2002, 46, 197-214.	1.0	96
107	Evoked potential components unique to non-REM sleep: relationship to evoked K-complexes and vertex sharp waves. <i>International Journal of Psychophysiology</i> , 2002, 46, 257-274.	1.0	64
108	Increased Production of Evoked and Spontaneous K-complexes Following a Night of Fragmented Sleep. <i>Sleep</i> , 2002, 25, 42-47.	1.1	284

#	ARTICLE	IF	CITATIONS
109	The N550 component of the evoked K-complex: A modality non-specific response?. Journal of Sleep Research, 2002, 8, 273-280.	3.2	67
110	An examination of evoked K-complex amplitude and frequency of occurrence in the elderly. Journal of Sleep Research, 2002, 11, 129-140.	3.2	69
111	The effects of alcoholism on auditory evoked potentials during sleep. Journal of Sleep Research, 2002, 11, 247-253.	3.2	28
112	The effect of stimulus probability on P3 in the respiratory-related evoked potential. Psychophysiology, 2002, 39, 9-15.	2.4	16
113	The effect of stimulus probability on P3 in the respiratory-related evoked potential. Psychophysiology, 2002, 39, 9-15.	2.4	2
114	Increased production of evoked and spontaneous K-complexes following a night of fragmented sleep. Sleep, 2002, 25, 882-7.	1.1	26
115	The Investigation of K-Complex and Vertex Sharp Wave Activity in Response to Mid-Inspiratory Occlusions and Complete Obstructions to Breathing During NREM Sleep. Sleep, 2001, 24, 81-89.	1.1	35
116	The impact of prestimulus EEG frequency on auditory evoked potentials during sleep onset.. Canadian Journal of Experimental Psychology, 2000, 54, 243-254.	0.8	43
117	The Roles of Vertex Sharp Waves and K-Complexes in the Generation of N300 in Auditory and Respiratory-related Evoked Potentials During Early Stage 2 NREM Sleep. Sleep, 2000, 23, 1-10.	1.1	50
118	Letter to the Editor. Self-reported sleep patterns and daytime sleepiness in the neurologically healthy aged. Journal of Sleep Research, 2000, 9, 97-98.	3.2	17
119	The respiratory-related evoked potential: Effects of attention and occlusion duration. Psychophysiology, 2000, 37, 310-318.	2.4	68
120	The relationship between respiratory-related evoked potentials and the perception of inspiratory resistive loads. Psychophysiology, 2000, 37, 831-841.	2.4	56
121	The respiratory-related evoked potential: Effects of attention and occlusion duration. Psychophysiology, 2000, 37, 310-318.	2.4	4
122	Respiratory-related evoked potentials during the transition from alpha to theta EEG activity in Stage 1 NREM sleep. Journal of Sleep Research, 1999, 8, 123-134.	3.2	42
123	Source dipole analysis of the early components of the RREP. Brain Topography, 1998, 11, 153-164.	1.8	61
124	Load compensation as a function of state during sleep onset. Journal of Applied Physiology, 1998, 84, 2123-2131.	2.5	6
125	Multichannel EEG analysis of respiratory evoked-potential components during wakefulness and NREM sleep. Journal of Applied Physiology, 1998, 85, 1727-1735.	2.5	68
126	Ventilation During Sleep Onset in Young Adult Females. Sleep, 1990, 13, 491-501.	1.1	15