

R T Pivik

List of Publications by Year in descending order

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69
papers

2,493
citations

279701

23
h-index

197736

49
g-index

69
all docs

69
docs citations

69
times ranked

2286
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the recording and quantitative analysis of electroencephalographic activity in research contexts. <i>Psychophysiology</i> , 1993, 30, 547-558.	1.2	580
2	Elevated sleep arousal thresholds in enuretic boys: clinical implications. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1997, 86, 381-384.	0.7	171
3	Selective firing by cat pontine brain stem neurons in desynchronized sleep.. <i>Journal of Neurophysiology</i> , 1974, 37, 497-511.	0.9	151
4	Eye movement-associated discharge in brain stem neurons during desynchronized sleep. <i>Brain Research</i> , 1977, 121, 59-76.	1.1	150
5	Time course of discharge rate changes by cat pontine brain stem neurons during sleep cycle.. <i>Journal of Neurophysiology</i> , 1974, 37, 1297-1309.	0.9	108
6	Ontogenetic variations in auditory arousal threshold during sleep. <i>Psychophysiology</i> , 1994, 31, 182-188.	1.2	103
7	Sleep Patterns in Hyperkinetic and Normal Children. <i>Sleep</i> , 1981, 4, 366-383.	0.6	98
8	Brain gray and white matter differences in healthy normal weight and obese children. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1205-1213.	1.9	91
9	Developmental Status of 1-Year-Old Infants Fed Breast Milk, Cow's Milk Formula, or Soy Formula. <i>Pediatrics</i> , 2012, 129, 1134-1140.	1.0	86
10	Heart Rate Variations During Sleep in Preadolescents. <i>Sleep</i> , 1996, 19, 117-135.	0.6	65
11	Auditory Arousal Thresholds During Sleep in Hyperkinetic Children. <i>Sleep</i> , 1985, 8, 332-341.	0.6	51
12	Sleep in Depressed and Nondepressed Participants with Chronic Low Back Pain: Electroencephalographic and Behaviour Findings. <i>Sleep</i> , 2002, 25, 47-55.	0.6	51
13	A longitudinal study of differences in electroencephalographic activity among breastfed, milk formula-fed, and soy formula-fed infants during the first year of life. <i>Early Human Development</i> , 2010, 86, 119-125.	0.8	43
14	Facial Muscle Tonus During REM and NREM Sleep. <i>Psychophysiology</i> , 1974, 11, 497-508.	1.2	39
15	Personality and Individual Differences in Spinal Motoneuronal Excitability. <i>Psychophysiology</i> , 1988, 25, 16-24.	1.2	36
16	Eating breakfast enhances the efficiency of neural networks engaged during mental arithmetic in school-aged children. <i>Physiology and Behavior</i> , 2012, 106, 548-555.	1.0	34
17	Early Infant Diet and the Omega 3 Fatty Acid DHA: Effects on Resting Cardiovascular Activity and Behavioral Development During the First Half-Year of Life. <i>Developmental Neuropsychology</i> , 2009, 34, 139-158.	1.0	33
18	SLEEP PATTERNS IN CHILDREN OF SUPERIOR INTELLIGENCE. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 1983, 24, 587-600.	3.1	32

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19	Sex-specific association between infant diet and white matter integrity in 8-y-old children. <i>Pediatric Research</i> , 2014, 76, 535-543.	1.1	32
20	Failure of High Intensity Auditory Stimuli to Affect Behavioral Arousal in Children during the First Sleep Cycle. <i>Pediatric Research</i> , 1983, 17, 802-805.	1.1	31
21	Voxel-Based Morphometry and fMRI Revealed Differences in Brain Gray Matter in Breastfed and Milk Formula-Fed Children. <i>American Journal of Neuroradiology</i> , 2016, 37, 713-719.	1.2	31
22	Differences in brain functional connectivity at resting state in neonates born to healthy obese or normal-weight mothers. <i>International Journal of Obesity</i> , 2016, 40, 1931-1934.	1.6	28
23	Cesarean Delivery Impacts Infant Brain Development. <i>American Journal of Neuroradiology</i> , 2019, 40, 169-177.	1.2	26
24	Endogenous eye blinks in preadolescents: relationship to information processing and performance. <i>Biological Psychology</i> , 2004, 66, 191-219.	1.1	25
25	Sleep-wakefulness rhythms in the rabbit. <i>Behavioral and Neural Biology</i> , 1986, 45, 275-286.	2.3	24
26	Sleep Patterns in Reading Disabled Children. <i>Sleep</i> , 1993, 16, 207-215.	0.6	24
27	Effects of locus coeruleus lesions upon sleeping and waking in the rabbit. <i>Brain Research</i> , 1981, 230, 133-151.	1.1	22
28	Target velocity and smooth pursuit eye movements in psychiatric patients. <i>Psychiatry Research</i> , 1979, 1, 313-323.	1.7	21
29	The effects of background illumination and stimulant medication on smooth pursuit eye movements of hyperactive children. <i>Journal of Abnormal Child Psychology</i> , 1989, 17, 73-90.	3.5	20
30	Nuchal muscle tonus during sleep, wakefulness and tonic immobility in the rabbit. <i>Physiology and Behavior</i> , 1981, 26, 13-20.	1.0	19
31	Vestibular activation, smooth pursuit tracking, and psychosis. <i>Psychiatry Research</i> , 1985, 14, 291-308.	1.7	18
32	Gestational Age at Birth and Brain White Matter Development in Term-Born Infants and Children. <i>American Journal of Neuroradiology</i> , 2017, 38, 2373-2379.	1.2	18
33	EEG and behavioral effects of gamma-hydroxybutyrate in the rabbit. <i>Life Sciences</i> , 1982, 31, 739-748.	2.0	17
34	Cortical Responses to Speech Sounds in 3- and 6-Month-Old Infants Fed Breast Milk, Milk Formula, or Soy Formula. <i>Developmental Neuropsychology</i> , 2010, 35, 762-784.	1.0	16
35	Diet and gender influences on processing and discrimination of speech sounds in 3- and 6-month-old infants: a developmental ERP study. <i>Developmental Science</i> , 2011, 14, 700-712.	1.3	15
36	Motoneuronal Excitability During Wakefulness and Non-REM Sleep: H-Reflex Recovery Function in Man. <i>Sleep</i> , 1978, 1, 357-367.	0.6	14

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37	The Influence of Infant Diet on Early Developmental Changes in Processing Human Voice Speech Stimuli: ERP Variations in Breast and Milk Formula-Fed Infants at 3 and 6 Months After Birth. <i>Developmental Neuropsychology</i> , 2007, 31, 279-335.	1.0	13
38	Event-related variations in alpha band activity during an attentional task in preadolescents: Effects of morning nutrition. <i>Clinical Neurophysiology</i> , 2007, 118, 615-632.	0.7	13
39	Spinal motoneuronal excitability in hyperkinesia: H-reflex recovery function and homosynaptic depression during wakefulness. <i>Journal of Clinical Neuropsychology</i> , 1981, 3, 215-236.	1.2	11
40	A new scaling method for topographical comparisons of event-related potentials. <i>Journal of Neuroscience Methods</i> , 2006, 151, 239-249.	1.3	11
41	Effects of diet on early stage cortical perception and discrimination of syllables differing in voice-onset time: A longitudinal ERP study in 3 and 6month old infants. <i>Brain and Language</i> , 2012, 120, 27-41.	0.8	11
42	A new device for automatic sleep spindle analysis: The "spindicator"™. <i>Electroencephalography and Clinical Neurophysiology</i> , 1982, 54, 711-713.	0.3	10
43	No difference indicated in electroencephalographic power spectral analysis in 3- and 6-month-old infants fed soy- or milk-based formula. <i>Maternal and Child Nutrition</i> , 2008, 4, 136-145.	1.4	10
44	Resting gamma power during the postnatal critical period for GABAergic system development is modulated by infant diet and sex. <i>International Journal of Psychophysiology</i> , 2019, 135, 73-94.	0.5	8
45	Method for effective rabbit head restraint during stereotaxic surgery. <i>Brain Research Bulletin</i> , 1978, 3, 401-404.	1.4	7
46	Spinal motoneuronal excitability during wakefulness and non-rem sleep in hyperkinesia. <i>Journal of Clinical Neuropsychology</i> , 1983, 5, 321-336.	1.2	7
47	Effects of brainstem lesions on tonic immobility in the rabbit (<i>Oryctolagus cuniculus</i>). <i>Brain Research Bulletin</i> , 1983, 10, 127-135.	1.4	7
48	Cardiovascular effects of morning nutrition in preadolescents. <i>Physiology and Behavior</i> , 2004, 82, 295-302.	1.0	7
49	Infant diet, gender and the development of vagal tone stability during the first two years of life. <i>International Journal of Psychophysiology</i> , 2015, 96, 104-114.	0.5	7
50	Electroconvulsive shock: Effects on sleep and cortical steady potential in the rat. <i>Physiology and Behavior</i> , 1977, 18, 997-1003.	1.0	5
51	Abnormal Motoneuronal Excitability in Hyperkinetic Children. <i>Psychophysiology</i> , 1986, 23, 146-155.	1.2	5
52	Spinal reflexes and lateral geniculate nucleus activity during sleep: Quantitative relationships. <i>Experimental Neurology</i> , 1982, 77, 142-162.	2.0	4
53	Variations in nuchal muscle tonus following paradoxical sleep deprivation in the rabbit. <i>Brain Research</i> , 1987, 423, 196-202.	1.1	4
54	Sigma smooth pursuit eye tracking: constant k values revisited. <i>Experimental Brain Research</i> , 2002, 143, 130-132.	0.7	4

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55	Rains, J., Penzien, D. Sleep and chronic pain challenges to the \hat{I} -EEG sleep pattern as a pain specific sleep anomaly. <i>Journal of Psychosomatic Research</i> , 2004, 56, 255-256.	1.2	4
56	Effects of Breast Milk and Milk Formula Diets on Synthesized Speech Sound-Induced Event-Related Potentials in 3- and 6-Month-Old Infants. <i>Developmental Neuropsychology</i> , 2007, 31, 349-362.	1.0	4
57	Infant Diet-Related Changes in Syllable Processing Between 4 and 5 Months: Implications for Developing Native Language Sensitivity. <i>Developmental Neuropsychology</i> , 2016, 41, 215-230.	1.0	4
58	Environmental Forces that Shape Early Development: What We Know and Still Need to Know. <i>Current Developments in Nutrition</i> , 2018, 2, nzx002.	0.1	4
59	Phasic EMG inhibition and spinal reflex modulation during synchronized sleep in the cat. <i>Experimental Neurology</i> , 1975, 48, 493-501.	2.0	3
60	Effects of paradoxical sleep deprivation in the rabbit. <i>Physiology and Behavior</i> , 1986, 36, 671-676.	1.0	3
61	Spinal motoneuronal excitability in hyperkinesia: effects of the Jendrassik manoeuvre. <i>International Journal of Psychophysiology</i> , 1990, 9, 85-95.	0.5	2
62	Reduced spinal motoneuronal excitability during wakefulness in hyperkinetic children: A replication and extension. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1982, 6, 425.	2.5	1
63	Developmental Changes in Resting Gamma Power from Age Three Months to Five Years Are Modulated by Infant Diet. <i>FASEB Journal</i> , 2017, 31, 958.9.	0.2	1
64	Smooth Pursuit along a Solid Line: A New Variation on the Theme of Efference-Copy-Bound Eye Tracking. <i>Perception</i> , 1993, 22, 477-482.	0.5	0
65	Growth Status Related to Brain Responses, Nutrition, Home Environment, and Behavior in Infants and Toddlers. <i>Developmental Neuropsychology</i> , 2007, 31, 397-427.	1.0	0
66	Morning nutrition and executive function processes in preadolescents: gender variations in phasic modulation of frontal EEG theta activity during a go/ no-go task. <i>FASEB Journal</i> , 2009, 23, 553.16.	0.2	0
67	Development of resting cardiovascular activity during the first 2 years of life differs in breastfed and formula-fed boys and girls. <i>FASEB Journal</i> , 2012, 26, 44.8.	0.2	0
68	Infant diet sets the tone for parasympathetic regulation of resting heart rate: Development of vagal tone from 3 months to 2 years. <i>FASEB Journal</i> , 2013, 27, .	0.2	0
69	Gamma EEG Activation During Picture-Word Semantic Processing in 3 Year Olds Varies As A Function of Gender And Infant Diet. <i>FASEB Journal</i> , 2016, 30, .	0.2	0