Sonja Entringer

List of Publications by Year in Descending Order

134 papers	7,318 citations	48 h-index	84 g-index
143 ext. papers	9,040 ext. citations	5.8 avg, IF	6.22 L-index

#	Paper	IF	Citations
134	Reliability of a novel approach for reference-based cell type estimation in human placental DNA methylation studies.. *Cellular and Molecular Life Sciences*, **2022**, 79, 115	10.3	1
133	Exposure to childhood maltreatment and systemic inflammation across pregnancy: The moderating role of depressive symptomatology.. *Brain, Behavior, and Immunity*, **2022**, 101, 397-409	16.6	1
132	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition.. *Nature Communications*, **2022**, 13, 99	17.4	0
131	Transmission of the adverse consequences of childhood maltreatment across generations: Focus on gestational biology.. *Pharmacology Biochemistry and Behavior*, **2022**, 215, 173372	3.9	1
130	Fetal programming of human energy homeostasis brain networks: Issues and considerations. *Obesity Reviews*, **2021**, e13392	10.6	0
129	Neuroanatomical Correlates Underlying the Association Between Maternal Interleukin 6 Concentration During Pregnancy and Offspring Fluid Reasoning Performance in Early Childhood. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 7, 24-24	3.4	1
128	Childhood abuse accelerates inflammaging. *Brain, Behavior, and Immunity*, **2021**, 94, 25-26	16.6	1
127	The association between history of prenatal loss and maternal psychological state in a subsequent pregnancy: an ecological momentary assessment (EMA) study. *Psychological Medicine*, **2021**, 1-11	6.9	2
126	Fetale Programmierung von Gesundheitsdisparitäten bei Kindern mit Migrationshintergrund. *Public Health Forum*, **2021**, 29, 131-134	0.1	
125	Prospective association of maternal immune pro-inflammatory responsivity and regulation in pregnancy with length of gestation. *American Journal of Reproductive Immunology*, **2021**, 85, e13366	3.8	1
124	The challenge of ascertainment of exposure to childhood maltreatment: Issues and considerations. *Psychoneuroendocrinology*, **2021**, 125, 105102	5	2
123	Placental Corticotrophin-Releasing Hormone is a Modulator of Fetal Liver Blood Perfusion. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 646-653	5.6	2
122	Maternal Psychological Resilience During Pregnancy and Newborn Telomere Length: A Prospective Study. *American Journal of Psychiatry*, **2021**, 178, 183-192	11.9	13
121	A standard calculation methodology for human doubly labeled water studies. *Cell Reports Medicine*, **2021**, 2, 100203	18	21
120	Energy compensation and adiposity in humans. *Current Biology*, **2021**, 31, 4659-4666.e2	6.3	7
119	Betamethasone administration during pregnancy is associated with placental epigenetic changes with implications for inflammation. *Clinical Epigenetics*, **2021**, 13, 165	7.7	1
118	Daily energy expenditure through the human life course. *Science*, **2021**, 373, 808-812	33.3	43

117	Association of maternal migrant background with inflammation during pregnancy - Results of a birth cohort study in Germany. *Brain, Behavior, and Immunity*, **2021**, 96, 271-278	16.6	2
116	Physical activity and fat-free mass during growth and in later life. *American Journal of Clinical Nutrition*, **2021**, 114, 1583-1589	7	3
115	Racial differences across pregnancy in maternal pro-inflammatory immune responsivity and its regulation by glucocorticoids. *Psychoneuroendocrinology*, **2021**, 131, 105333	5	0
114	Using principal component analysis to examine associations of early pregnancy inflammatory biomarker profiles and adverse birth outcomes. *American Journal of Reproductive Immunology*, **2021**, 86, e13497	3.8	2
113	Acculturation and biological stress markers: A systematic review. *Psychoneuroendocrinology*, **2021**, 132, 105349	5	2
112	Prospective association of maternal psychosocial stress in pregnancy with newborn hippocampal volume and implications for infant social-emotional development. *Neurobiology of Stress*, **2021**, 15, 100368	7.6	2
111	The pediatric buccal epigenetic clock identifies significant ageing acceleration in children with internalizing disorder and maltreatment exposure. *Neurobiology of Stress*, **2021**, 15, 100394	7.6	3
110	Childhood adversity correlates with stable changes in DNA methylation trajectories in children and converges with epigenetic signatures of prenatal stress. *Neurobiology of Stress*, **2021**, 15, 100336	7.6	8
109	Maternal inflammation during pregnancy and offspring brain development: the role of mitochondria. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**,	3.4	1
108	Maternal subjective social standing is related to inflammation during pregnancy. *Brain, Behavior, and Immunity*, **2020**, 88, 711-717	16.6	5
107	Prenatal stress exposure and fetal programming of complex phenotypes: interactive effects with multiple risk factors. *Neuroscience and Biobehavioral Reviews*, **2020**, 117, 3-4	9	2
106	Intergenerational transmission of health disparities among Turkish-origin immigrants in Germany: study protocol of a multi-centric cohort study (BaBi-stress and BaBeK study). *BMC Pregnancy and Childbirth*, **2020**, 20, 158	3.2	3
105	Maternal Glucocorticoid Metabolism Across Pregnancy: A Potential Mechanism Underlying Fetal Glucocorticoid Exposure. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	4
104	Fetale Programmierung von Zellalterungsprozessen. *Der Gynakologe*, **2020**, 53, 427-432	0.1	
103	Neonatal hippocampal volume moderates the effects of early postnatal enrichment on cognitive development. *Developmental Cognitive Neuroscience*, **2020**, 45, 100820	5.5	5
102	The Effect of a Maternal Mediterranean Diet in Pregnancy on Insulin Resistance is Moderated by Maternal Negative Affect. *Nutrients*, **2020**, 12,	6.7	6
101	Developmental programming of mitochondrial biology: a conceptual framework and review. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20192713	4.4	19
100	Intergenerational transmission of the effects of maternal exposure to childhood maltreatment on offspring obesity risk: A fetal programming perspective. *Psychoneuroendocrinology*, **2020**, 116, 104659	5	7

99	The German Version of the Multidimensional Acculturative Stress Inventory (MASI) for Turkish-Origin Immigrants -Measurement Invariance of Filter Questions and Validation. *European Journal of Psychological Assessment*, **2020**, 36, 889-900	2.2	
98	Immediate and longitudinal effects of maltreatment on systemic inflammation in young children. *Development and Psychopathology*, **2020**, 32, 1725-1731	4.3	8
97	The PedBE clock accurately estimates DNA methylation age in pediatric buccal cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 23329-23335	11.5	53
96	DNA methylation biomarkers prospectively predict both antenatal and postpartum depression. *Psychiatry Research*, **2020**, 285, 112711	9.9	11
95	Psychological stress and cortisol during pregnancy: An ecological momentary assessment (EMA)-Based within- and between-person analysis. *Psychoneuroendocrinology*, **2020**, 121, 104848	5	6
94	Neonatal brain volume as a marker of differential susceptibility to parenting quality and its association with neurodevelopment across early childhood. *Developmental Cognitive Neuroscience*, **2020**, 45, 100826	5.5	3
93	Prenatal developmental origins of behavior and mental health: The influence of maternal stress in pregnancy. *Neuroscience and Biobehavioral Reviews*, **2020**, 117, 26-64	9	392
92	gene network in the prefrontal cortex is associated with total brain volume in childhood. *Journal of Psychiatry and Neuroscience*, **2020**, 46, E154-E163	4.5	2
91	Integrated analysis of environmental and genetic influences on cord blood DNA methylation in new-borns. *Nature Communications*, **2019**, 10, 2548	17.4	54
90	A Role of Oxytocin Receptor Gene Brain Tissue Expression Quantitative Trait Locus rs237895 in the Intergenerational Transmission of the Effects of Maternal Childhood Maltreatment. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2019**, 58, 1207-1216	7.2	9
89	Maternal pro-inflammatory state during pregnancy and newborn leukocyte telomere length: A prospective investigation. *Brain, Behavior, and Immunity*, **2019**, 80, 419-426	16.6	21
88	The Interplay Between Nutrition and Stress in Pregnancy: Implications for Fetal Programming of Brain Development. *Biological Psychiatry*, **2019**, 85, 135-149	7.9	55
87	Maternal Cortisol Concentrations During Pregnancy and Sex-Specific Associations With Neonatal Amygdala Connectivity and Emerging Internalizing Behaviors. *Biological Psychiatry*, **2019**, 85, 172-181	7.9	92
86	Association between chronotype and body mass index: The role of C-reactive protein and the cortisol response to stress. *Psychoneuroendocrinology*, **2019**, 109, 104388	5	13
85	Perceived discrimination and risk of preterm birth among Turkish immigrant women in Germany. *Social Science and Medicine*, **2019**, 236, 112427	5.1	5
84	Neonatal White Matter Maturation Is Associated With Infant Language Development. *Frontiers in Human Neuroscience*, **2019**, 13, 434	3.3	8
83	Translating basic research knowledge on the biological embedding of early-life stress into novel approaches for the developmental programming of lifelong health. *Psychoneuroendocrinology*, **2019**, 105, 123-137	5	63
82	Newborn amygdala connectivity and early emerging fear. *Developmental Cognitive Neuroscience*, **2019**, 37, 100604	5.5	22

81	Dynamic DNA methylation changes in the maternal oxytocin gene locus (OXT) during pregnancy predict postpartum maternal intrusiveness. *Psychoneuroendocrinology*, **2019**, 103, 156-162	5	16
80	Stress and immunosenescence: The role of telomerase. *Psychoneuroendocrinology*, **2019**, 101, 87-100	5	31
79	Maternal Interleukin-6 concentration during pregnancy is associated with variation in frontolimbic white matter and cognitive development in early life. *NeuroImage*, **2019**, 185, 825-835	7.9	87
78	Maternal Metabolomic Profile and Fetal Programming of Offspring Adiposity: Identification of Potentially Protective Lipid Metabolites. *Molecular Nutrition and Food Research*, **2019**, 63, e1700889	5.9	14
77	Maternal IL-6 during pregnancy can be estimated from newborn brain connectivity and predicts future working memory in offspring. *Nature Neuroscience*, **2018**, 21, 765-772	25.5	165
76	Stress during pregnancy and gestational weight gain. *Journal of Perinatology*, **2018**, 38, 462-467	3.1	18
75	The fetal programming of telomere biology hypothesis: an update. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	88
74	Characterization in humans of leucocyte maximal telomerase activity capacity and association with stress. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	6
73	Maternal Systemic Interleukin-6 During Pregnancy Is Associated With Newborn Amygdala Phenotypes and Subsequent Behavior at 2 Years of Age. *Biological Psychiatry*, **2018**, 83, 109-119	7.9	133
72	Intergenerational Effect of Maternal Exposure to Childhood Maltreatment on Newborn Brain Anatomy. *Biological Psychiatry*, **2018**, 83, 120-127	7.9	85
71	Acculturation and interleukin (IL)-6 concentrations across pregnancy among Mexican-American women. *Brain, Behavior, and Immunity*, **2018**, 73, 731-735	16.6	11
70	Antenatal depression, psychotropic medication use, and inflammation among pregnant women. *Archives of Womens Mental Health*, **2018**, 21, 785-790	5	9
69	Inflammatory Measures in Depressed Patients With and Without a History of Adverse Childhood Experiences. *Frontiers in Psychiatry*, **2018**, 9, 610	5	24
68	Maternal Stress Potentiates the Effect of an Inflammatory Diet in Pregnancy on Maternal Concentrations of Tumor Necrosis Factor Alpha. *Nutrients*, **2018**, 10,	6.7	17
67	Influence of maternal thyroid hormones during gestation on fetal brain development. *Neuroscience* , **2017**, 342, 68-100	3.9	195
66	Effects of Antenatal Maternal Depressive Symptoms and Socio-Economic Status on Neonatal Brain Development are Modulated by Genetic Risk. *Cerebral Cortex*, **2017**, 27, 3080-3092	5.1	67
65	Prospective association of fetal liver blood flow at 30 weeks gestation with newborn adiposity. *American Journal of Obstetrics and Gynecology*, **2017**, 217, 204.e1-204.e8	6.4	10
64	The Interplay between Maternal Nutrition and Stress during Pregnancy: Issues and Considerations. *Annals of Nutrition and Metabolism*, **2017**, 70, 191-200	4.5	40

63	Mothers'childhood hardship forecasts adverse pregnancy outcomes: Role of inflammatory, lifestyle, and psychosocial pathways. *Brain, Behavior, and Immunity*, **2017**, 65, 11-19	16.6	35
62	Sex-specific association between functional neuropeptide S receptor gene (NPSR1) variants and cortisol and central stress responses. *Psychoneuroendocrinology*, **2017**, 76, 49-56	5	13
61	White Matter Fiber-based Analysis of T1w/T2w Ratio Map. *Proceedings of SPIE*, **2017**, 10133,	1.7	2
60	Intergenerational Transmission of Maternal Childhood Maltreatment Exposure: Implications for Fetal Brain Development. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2017**, 56, 373-382	7.2	101
59	Oxytocin pathways in the intergenerational transmission of maternal early life stress. *Neuroscience and Biobehavioral Reviews*, **2017**, 73, 293-308	9	62
58	A novel maturation index based on neonatal diffusion tensor imaging reflects typical perinatal white matter development in humans. *International Journal of Developmental Neuroscience*, **2017**, 56, 42-51	2.7	11
57	Measurement of cortisol in saliva: a comparison of measurement error within and between international academic-research laboratories. *BMC Research Notes*, **2017**, 10, 479	2.3	20
56	Cohort Profile: Prediction and prevention of preeclampsia and intrauterine growth restriction (PREDO) study. *International Journal of Epidemiology*, **2017**, 46, 1380-1381g	7.8	46
55	Association between supraclavicular brown adipose tissue composition at birth and adiposity gain from birth to 6 months of age. *Pediatric Research*, **2017**, 82, 1017-1021	3.2	12
54	Association of maternal prepregnancy BMI with metabolomic profile across gestation. *International Journal of Obesity*, **2017**, 41, 159-169	5.5	46
53	Fetal Programming of Telomere Biology: Role of Maternal Nutrition, Obstetric Risk Factors, and Suboptimal Birth Outcomes **2017**, 569-593		1
52	Childhood maltreatment is associated with increased risk of subclinical hypothyroidism in pregnancy. *Psychoneuroendocrinology*, **2017**, 84, 190-196	5	12
51	Maternal Cortisol During Pregnancy and Infant Adiposity: A Prospective Investigation. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 1366-1374	5.6	15
50	Implications of newborn amygdala connectivity for fear and cognitive development at 6-months-of-age. *Developmental Cognitive Neuroscience*, **2016**, 18, 12-25	5.5	70
49	Correspondence between hair cortisol concentrations and 30-day integrated daily salivary and weekly urinary cortisol measures. *Psychoneuroendocrinology*, **2016**, 71, 12-8	5	129
48	Maternal Exposure to Childhood Trauma Is Associated During Pregnancy With Placental-Fetal Stress Physiology. *Biological Psychiatry*, **2016**, 79, 831-839	7.9	69
47	Patterns of peripheral cytokine expression during pregnancy in two cohorts and associations with inflammatory markers in cord blood. *American Journal of Reproductive Immunology*, **2016**, 76, 406-414	3.8	31
46	Maternal Folate Concentration in Early Pregnancy and Newborn Telomere Length. *Annals of Nutrition and Metabolism*, **2015**, 66, 202-8	4.5	41

45	Early Postnatal Myelin Content Estimate of White Matter via T1w/T2w Ratio. *Proceedings of SPIE*, **2015**, 9417,	1.7	9
44	Prenatal stress, development, health and disease risk: A psychobiological perspective-2015 Curt Richter Award Paper. *Psychoneuroendocrinology*, **2015**, 62, 366-75	5	176
43	Intergenerational transmission of the effects of acculturation on health in Hispanic Americans: a fetal programming perspective. *American Journal of Public Health*, **2015**, 105 Suppl 3, S409-23	5.1	53
42	Maternal estriol concentrations in early gestation predict infant telomere length. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 267-73	5.6	27
41	Longitudinal Metabolomic Profiling of Amino Acids and Lipids across Healthy Pregnancy. *PLoS ONE*, **2015**, 10, e0145794	3.7	90
40	Maternal psychosocial stress during pregnancy is associated with newborn leukocyte telomere length. *American Journal of Obstetrics and Gynecology*, **2013**, 208, 134.e1-7	6.4	143
39	Maternal positive affect over the course of pregnancy is associated with the length of gestation and reduced risk of preterm delivery. *Journal of Psychosomatic Research*, **2013**, 75, 336-40	4.1	37
38	Stress and telomere biology: a lifespan perspective. *Psychoneuroendocrinology*, **2013**, 38, 1835-42	5	262
37	Impact of stress and stress physiology during pregnancy on child metabolic function and obesity risk. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2013**, 16, 320-7	3.8	62
36	Developmental programming of obesity and metabolic dysfunction: role of prenatal stress and stress biology. *Nestle Nutrition Institute Workshop Series*, **2013**, 74, 107-20	1.9	25
35	Brown adipose tissue quantification in human neonates using water-fat separated MRI. *PLoS ONE*, **2013**, 8, e77907	3.7	55
34	Prenatal stress, telomere biology, and fetal programming of health and disease risk. *Science Signaling*, **2012**, 5, pt12	8.8	87
33	Fetal programming of body composition, obesity, and metabolic function: the role of intrauterine stress and stress biology. *Journal of Nutrition and Metabolism*, **2012**, 2012, 632548	2.7	210
32	Rise in plasma lactate concentrations with psychosocial stress: a possible sign of cerebral energy demand. *Obesity Facts*, **2012**, 5, 384-92	5.1	19
31	Variation in the maternal corticotrophin releasing hormone-binding protein (CRH-BP) gene and birth weight in Blacks, Hispanics and Whites. *PLoS ONE*, **2012**, 7, e43931	3.7	7
30	Impaired executive function mediates the association between maternal pre-pregnancy body mass index and child ADHD symptoms. *PLoS ONE*, **2012**, 7, e37758	3.7	92
29	The brain's supply and demand in obesity. *Frontiers in Neuroenergetics*, **2012**, 4, 4		25
28	Fetal programming of brain development: intrauterine stress and susceptibility to psychopathology. *Science Signaling*, **2012**, 5, pt7	8.8	85

27	The Role of Stress in Brain Development: The Gestational Environment's Long-Term Effects on the Brain. *Cerebrum: the Dana Forum on Brain Science*, **2012**, 2012, 4	0	33
26	Ecological momentary assessment of maternal cortisol profiles over a multiple-day period predicts the length of human gestation. *Psychosomatic Medicine*, **2011**, 73, 469-74	3.7	75
25	The association between early life adversity and bacterial vaginosis during pregnancy. *American Journal of Obstetrics and Gynecology*, **2011**, 204, 431.e1-8	6.4	27
24	The contribution of maternal stress to preterm birth: issues and considerations. *Clinics in Perinatology*, **2011**, 38, 351-84	2.8	276
23	Stress exposure in intrauterine life is associated with shorter telomere length in young adulthood. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E513-8	11.5	279
22	How the selfish brain organizes its supply and demand. *Frontiers in Neuroenergetics*, **2010**, 2, 7		47
21	Working memory performance is associated with common glucocorticoid receptor gene polymorphisms. *Neuropsychobiology*, **2010**, 61, 49-56	4	10
20	Attenuation of maternal psychophysiological stress responses and the maternal cortisol awakening response over the course of human pregnancy. *Stress*, **2010**, 13, 258-68	3	131
19	Prenatal stress and developmental programming of human health and disease risk: concepts and integration of empirical findings. *Current Opinion in Endocrinology, Diabetes and Obesity*, **2010**, 17, 507-16	4	165
18	Functional mineralocorticoid receptor (MR) gene variation influences the cortisol awakening response after dexamethasone. *Psychoneuroendocrinology*, **2010**, 35, 339-49	5	70
17	Developmental origins of health and disease: brief history of the approach and current focus on epigenetic mechanisms. *Seminars in Reproductive Medicine*, **2009**, 27, 358-68	1.4	601
16	Sex-specific association between the 5-HTT gene-linked polymorphic region and basal cortisol secretion. *Psychoneuroendocrinology*, **2009**, 34, 972-82	5	84
15	The maternal cortisol awakening response in human pregnancy is associated with the length of gestation. *American Journal of Obstetrics and Gynecology*, **2009**, 201, 398.e1-8	6.4	70
14	Prenatal exposure to maternal psychosocial stress and HPA axis regulation in young adults. *Hormones and Behavior*, **2009**, 55, 292-8	3.7	200
13	Developmental origins of health and disease: environmental exposures. *Seminars in Reproductive Medicine*, **2009**, 27, 391-402	1.4	152
12	Prenatal psychosocial stress exposure is associated with subsequent working memory performance in young women. *Behavioral Neuroscience*, **2009**, 123, 886-93	2.1	65
11	Glucocorticoid receptor gene polymorphisms and glucocorticoid sensitivity of subdermal blood vessels and leukocytes. *Biological Psychology*, **2008**, 79, 179-84	3.2	31
10	G72 and its association with major depression and neuroticism in large population-based groups from Germany. *American Journal of Psychiatry*, **2008**, 165, 753-62	11.9	45

9	Covariance between psychological and endocrine responses to pharmacological challenge and psychosocial stress: a question of timing. *Psychosomatic Medicine*, **2008**, 70, 787-96	3.7	149
8	Influence of prenatal psychosocial stress on cytokine production in adult women. *Developmental Psychobiology*, **2008**, 50, 579-87	3	95
7	Prenatal psychosocial stress exposure is associated with insulin resistance in young adults. *American Journal of Obstetrics and Gynecology*, **2008**, 199, 498.e1-7	6.4	98
6	Sex specific associations between common glucocorticoid receptor gene variants and hypothalamus-pituitary-adrenal axis responses to psychosocial stress. *Biological Psychiatry*, **2007**, 62, 863-9	7.9	155
5	Cortisol and ACTH responses to psychosocial stress are modulated by corticosteroid binding globulin levels. *Psychoneuroendocrinology*, **2007**, 32, 1153-7	5	69
4	Birth weight is associated with salivary cortisol responses to psychosocial stress in adult life. *Psychoneuroendocrinology*, **2005**, 30, 591-8	5	112
3	A psychobiological perspective on genetic determinants of hypothalamus-pituitary-adrenal axis activity. *Annals of the New York Academy of Sciences*, **2004**, 1032, 52-62	6.5	70
2	Early development of negative and positive affect: Implications for ADHD symptomatology across three birth cohorts. *Development and Psychopathology*,1-12	4.3	2
1	Variably methylated regions in the newborn epigenome: environmental, genetic and combined influences		1