

Nicole R Bush

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

3,044
citations

201674

27
h-index

206112

48
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112
all docs

112
docs citations

112
times ranked

3720
citing authors

#	ARTICLE	IF	CITATIONS
1	Contextual risk and parenting as predictors of effortful control and social competence in preschool children. <i>Journal of Applied Developmental Psychology</i> , 2007, 28, 40-55.	1.7	333
2	An epigenetic clock for gestational age at birth based on blood methylation data. <i>Genome Biology</i> , 2016, 17, 206.	8.8	193
3	The interactive effect of marital conflict and stress reactivity on externalizing and internalizing symptoms: The role of laboratory stressors. <i>Development and Psychopathology</i> , 2011, 23, 101-114.	2.3	178
4	The PedBE clock accurately estimates DNA methylation age in pediatric buccal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23329-23335.	7.1	140
5	Effects of pre- and postnatal maternal stress on infant temperament and autonomic nervous system reactivity and regulation in a diverse, low-income population. <i>Development and Psychopathology</i> , 2017, 29, 1553-1571.	2.3	93
6	The biological embedding of early-life socioeconomic status and family adversity in children's genome-wide DNA methylation. <i>Epigenomics</i> , 2018, 10, 1445-1461.	2.1	92
7	Maternal urinary phthalate metabolites in relation to gestational diabetes and glucose intolerance during pregnancy. <i>Environment International</i> , 2019, 123, 588-596.	10.0	75
8	First trimester phthalate exposure and male newborn genital anomalies. <i>Environmental Research</i> , 2016, 151, 777-782.	7.5	61
9	Kindergarten stressors and cumulative adrenocortical activation: The "first straws" of allostatic load?. <i>Development and Psychopathology</i> , 2011, 23, 1089-1106.	2.3	60
10	The symphonic structure of childhood stress reactivity: Patterns of sympathetic, parasympathetic, and adrenocortical responses to psychological challenge. <i>Development and Psychopathology</i> , 2014, 26, 963-982.	2.3	60
11	Family Socioeconomic Status, Cortisol, and Physical Health in Early Childhood: The Role of Advantageous Neighborhood Characteristics. <i>Psychosomatic Medicine</i> , 2018, 80, 492-501.	2.0	54
12	Association of Prenatal Phthalate Exposure With Language Development in Early Childhood. <i>JAMA Pediatrics</i> , 2018, 172, 1169.	6.2	50
13	The mindful moms training: development of a mindfulness-based intervention to reduce stress and overeating during pregnancy. <i>BMC Pregnancy and Childbirth</i> , 2018, 18, 201.	2.4	50
14	Differentiating challenge reactivity from psychomotor activity in studies of children's psychophysiology: Considerations for theory and measurement. <i>Journal of Experimental Child Psychology</i> , 2011, 110, 62-79.	1.4	48
15	Maternal metabolic factors during pregnancy predict early childhood growth trajectories and obesity risk: the CANDLE Study. <i>International Journal of Obesity</i> , 2019, 43, 1914-1922.	3.4	48
16	Poor Sleep Quality, Psychological Distress, and the Buffering Effect of Mindfulness Training During Pregnancy. <i>Behavioral Sleep Medicine</i> , 2018, 16, 611-624.	2.1	43
17	Association between prenatal psychological stress and oxidative stress during pregnancy. <i>Paediatric and Perinatal Epidemiology</i> , 2018, 32, 318-326.	1.7	41
18	Family Environment, Neurodevelopmental Risk, and the Environmental Influences on Child Health Outcomes (ECHO) Initiative: Looking Back and Moving Forward. <i>Frontiers in Psychiatry</i> , 2020, 11, 547.	2.6	41

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19	Joint impact of phthalate exposure and stressful life events in pregnancy on preterm birth. <i>Environment International</i> , 2019, 133, 105254.	10.0	39
20	Biological sensitivity to context: A test of the hypothesized U-shaped relation between early adversity and stress responsivity. <i>Development and Psychopathology</i> , 2020, 32, 641-660.	2.3	39
21	A combined cohort analysis of prenatal exposure to phthalate mixtures and childhood asthma. <i>Environment International</i> , 2020, 143, 105970.	10.0	39
22	Parent and Child Trauma Symptoms During Childâ€‘Parent Psychotherapy: A Prospective Cohort Study of Dyadic Change. <i>Journal of Traumatic Stress</i> , 2017, 30, 690-697.	1.8	38
23	Autonomic nervous system functioning assessed during the still-face paradigm: A meta-analysis and systematic review of methods, approach and findings. <i>Developmental Review</i> , 2018, 50, 113-139.	4.7	37
24	Temperament as a moderator of the relation between neighborhood and children's adjustment. <i>Journal of Applied Developmental Psychology</i> , 2010, 31, 351-361.	1.7	36
25	Mechanisms Underlying the Association Between Early-Life Adversity and Physical Health: Charting a Course for the Future. <i>Psychosomatic Medicine</i> , 2016, 78, 1114-1119.	2.0	36
26	Socioeconomic Disparities in Childhood Obesity Risk: Association With an Oxytocin Receptor Polymorphism. <i>JAMA Pediatrics</i> , 2017, 171, 61.	6.2	36
27	Maternal exposure to PM2.5 during pregnancy and asthma risk in early childhood. <i>Environmental Epidemiology</i> , 2021, 5, e130.	3.0	34
28	Maternal experiences of trauma and hair cortisol in early childhood in a prospective cohort. <i>Psychoneuroendocrinology</i> , 2018, 98, 168-176.	2.7	32
29	Identification of Modifiable Social and Behavioral Factors Associated With Childhood Cognitive Performance. <i>JAMA Pediatrics</i> , 2020, 174, 1063.	6.2	31
30	Phthalate mixtures in pregnancy, autistic traits, and adverse childhood behavioral outcomes. <i>Environment International</i> , 2021, 147, 106330.	10.0	31
31	The Impact of the Revised WIC Food Package on Maternal Nutrition During Pregnancy and Postpartum. <i>American Journal of Epidemiology</i> , 2019, 188, 1493-1502.	3.4	30
32	Maternal exposure to childhood traumatic events, but not multi-domain psychosocial stressors, predict placental corticotrophin releasing hormone across pregnancy. <i>Social Science and Medicine</i> , 2020, 266, 113461.	3.8	30
33	Exposure to ambient air pollution and early childhood behavior: A longitudinal cohort study. <i>Environmental Research</i> , 2020, 183, 109075.	7.5	29
34	Exposure to prenatal phthalate mixtures and neurodevelopment in the Conditions Affecting Neurocognitive Development and Learning in Early childhood (CANDLE) study. <i>Environment International</i> , 2021, 150, 106409.	10.0	27
35	Prenatal polyunsaturated fatty acids and child asthma: Effect modification by maternal asthma and child sex. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 800-807.e4.	2.9	26
36	Maternal Stress During Pregnancy Predicts Infant Infectious and Noninfectious Illness. <i>Journal of Pediatrics</i> , 2021, 228, 117-125.e2.	1.8	25

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37	Urinary oxidative stress biomarkers and accelerated time to spontaneous delivery. <i>Free Radical Biology and Medicine</i> , 2019, 130, 419-425.	2.9	24
38	Measuring socioeconomic adversity in early life. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1267-1277.	1.5	22
39	Effects of Maternal Dietary Patterns during Pregnancy on Early Childhood Growth Trajectories and Obesity Risk: The CANDLE Study. <i>Nutrients</i> , 2020, 12, 465.	4.1	22
40	Maternal Oxidative Stress Biomarkers in Pregnancy and Child Growth from Birth to Age 6. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1427-1436.	3.6	22
41	Associations of Pre- and Postnatal Air Pollution Exposures with Child Behavioral Problems and Cognitive Performance: A U.S. Multi-Cohort Study. <i>Environmental Health Perspectives</i> , 2022, 130, .	6.0	22
42	Temperament in context: Infant temperament moderates the relationship between perceived neighborhood quality and behavior problems. <i>Journal of Applied Developmental Psychology</i> , 2006, 27, 456-467.	1.7	20
43	How a Pandemic Could Advance the Science of Early Adversity. <i>JAMA Pediatrics</i> , 2020, 174, 1131.	6.2	20
44	A Comprehensive Assessment of Associations between Prenatal Phthalate Exposure and the Placental Transcriptomic Landscape. <i>Environmental Health Perspectives</i> , 2021, 129, 97003.	6.0	20
45	Prenatal Phthalate Exposure and Child Weight and Adiposity from <i>in Utero</i> to 6 Years of Age. <i>Environmental Health Perspectives</i> , 2022, 130, 47006.	6.0	20
46	Associations between childhood adversity and daily suppression and avoidance in response to stress in adulthood: can neurobiological sensitivity help explain this relationship?. <i>Anxiety, Stress and Coping</i> , 2017, 30, 163-175.	2.9	19
47	Associations of Pre- and Postnatal Air Pollution Exposures with Child Blood Pressure and Modification by Maternal Nutrition: A Prospective Study in the CANDLE Cohort. <i>Environmental Health Perspectives</i> , 2021, 129, 47004.	6.0	19
48	Transactions between Maternal and Child Depressive Symptoms Emerge Early in Life. <i>Journal of Clinical Child and Adolescent Psychology</i> , 2022, 51, 61-72.	3.4	18
49	Predictors of Steroid Hormone Concentrations in Early Pregnancy: Results from a Multi-Center Cohort. <i>Maternal and Child Health Journal</i> , 2019, 23, 397-407.	1.5	17
50	Prenatal Omega-3 and Omega-6 Polyunsaturated Fatty Acids and Childhood Atopic Dermatitis. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 937-944.	3.8	17
51	Gestational diabetes and childhood asthma in a racially diverse US pregnancy cohort. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1190-1196.	2.6	17
52	A path model examination: maternal anxiety and parenting mediate the association between maternal adverse childhood experiences and children's internalizing behaviors. <i>Psychological Medicine</i> , 2023, 53, 112-122.	4.5	16
53	Adversity in early life and pregnancy are immunologically distinct from total life adversity: macrophage-associated phenotypes in women exposed to interpersonal violence. <i>Translational Psychiatry</i> , 2021, 11, 391.	4.8	16
54	Informant-specific reports of peer and teacher relationships buffer the effects of harsh parenting on children's oppositional defiant disorder during kindergarten. <i>Development and Psychopathology</i> , 2020, 32, 163-174.	2.3	15

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55	Maternal trauma and fear history predict BDNF methylation and gene expression in newborns. <i>PeerJ</i> , 2020, 8, e8858.	2.0	15
56	Maternal childhood trauma and prenatal stressors are associated with child behavioral health. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 483-493.	1.4	15
57	Urinary phthalate metabolite mixtures in pregnancy and fetal growth: Findings from the infant development and the environment study. <i>Environment International</i> , 2022, 163, 107235.	10.0	15
58	Translating the Biology of Adversity and Resilience Into New Measures for Pediatric Practice. <i>Pediatrics</i> , 2022, 149, .	2.1	15
59	Measuring Cardiac Autonomic Nervous System (ANS) Activity in Toddlers - Resting and Developmental Challenges. <i>Journal of Visualized Experiments</i> , 2016, , 53652.	0.3	14
60	Association of Maternal Social Relationships With Cognitive Development in Early Childhood. <i>JAMA Network Open</i> , 2019, 2, e186963.	5.9	14
61	Prenatal Maternal Objective and Subjective Stress Exposures and Rapid Infant Weight Gain. <i>Journal of Pediatrics</i> , 2020, 222, 45-51.	1.8	14
62	Effect of prenatal mindfulness training on depressive symptom severity through 18 months postpartum: A latent profile analysis. <i>Journal of Clinical Psychology</i> , 2018, 74, 1117-1125.	1.9	13
63	Intergenerational transmission of maternal childhood adversity and depression on children's internalizing problems. <i>Journal of Affective Disorders</i> , 2022, 308, 205-212.	4.1	13
64	The association between duration of breastfeeding and childhood asthma outcomes. <i>Annals of Allergy, Asthma and Immunology</i> , 2022, 129, 205-211.	1.0	13
65	Associations between urinary biomarkers of oxidative stress in the third trimester of pregnancy and behavioral outcomes in the child at 4 years of age. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 272-278.	4.1	12
66	Distributional Properties and Criterion Validity of a Shortened Version of the Social Responsiveness Scale: Results from the ECHO Program and Implications for Social Communication Research. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 2241-2253.	2.7	12
67	Digit ratio, a proposed marker of the prenatal hormone environment, is not associated with prenatal sex steroids, anogenital distance, or gender-typed play behavior in preschool age children. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 923-932.	1.4	12
68	Associations between classroom climate and children's externalizing symptoms: The moderating effect of kindergarten children's parasympathetic reactivity. <i>Development and Psychopathology</i> , 2020, 32, 661-672.	2.3	11
69	Maternal Plasma 25-Hydroxyvitamin D during Gestation Is Positively Associated with Neurocognitive Development in Offspring at Age 4-6 Years. <i>Journal of Nutrition</i> , 2021, 151, 132-139.	2.9	11
70	First- and Third-Trimester Urinary Phthalate Metabolites in the Development of Hypertensive Diseases of Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10627.	2.6	11
71	Omega-3 fatty acid supplement use and oxidative stress levels in pregnancy. <i>PLoS ONE</i> , 2020, 15, e0240244.	2.5	11
72	Prenatal urinary metabolites of polycyclic aromatic hydrocarbons and toddler cognition, language, and behavior. <i>Environment International</i> , 2022, 159, 107039.	10.0	11

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73	Associations between social, biologic, and behavioral factors and biomarkers of oxidative stress during pregnancy: Findings from four ECHO cohorts. <i>Science of the Total Environment</i> , 2022, 835, 155596.	8.0	11
74	Prenatal exposure to polycyclic aromatic hydrocarbons and gestational age at birth. <i>Environment International</i> , 2022, 164, 107246.	10.0	10
75	Intergenerational Transmission of Effects of Women's Stressors During Pregnancy: Child Psychopathology and the Protective Role of Parenting. <i>Frontiers in Psychiatry</i> , 2022, 13, 838535.	2.6	10
76	Immune Biomarkers of Early-Life Adversity and Exposure to Stress and Violence—Searching Outside the Streetlight. <i>JAMA Pediatrics</i> , 2020, 174, 17.	6.2	9
77	A lifestyle intervention randomized controlled trial in obese women with infertility improved body composition among those who experienced childhood adversity. <i>Stress and Health</i> , 2021, 37, 93-102.	2.6	9
78	Evidence for discrete profiles of children's physiological activity across three neurobiological system and their transitions over time. <i>Developmental Science</i> , 2021, 24, e12989.	2.4	9
79	Cardiometabolic Pregnancy Complications in Association With Autism-Related Traits as Measured by the Social Responsiveness Scale in ECHO. <i>American Journal of Epidemiology</i> , 2022, 191, 1407-1419.	3.4	9
80	Association of prenatal exposure to ambient air pollution with adverse birth outcomes and effect modification by socioeconomic factors. <i>Environmental Research</i> , 2022, 212, 113571.	7.5	9
81	Child temperament and teacher relationship interactively predict cortisol expression: The prism of classroom climate. <i>Development and Psychopathology</i> , 2017, 29, 1763-1775.	2.3	8
82	Childhood adversity and women's cardiometabolic health in adulthood: associations with health behaviors, psychological distress, mood symptoms, and personality. <i>BMC Women's Health</i> , 2019, 19, 102.	2.0	8
83	Prenatal phthalate exposure in relation to placental corticotropin releasing hormone (pCRH) in the CANDLE cohort. <i>Environment International</i> , 2022, 160, 107078.	10.0	8
84	Associations between prenatal phthalate exposure and sex-typed play behavior in preschool age boys and girls. <i>Environmental Research</i> , 2021, 192, 110264.	7.5	7
85	Externalizing and Internalizing Problems: Associations with Family Adversity and Young Children's Adrenocortical and Autonomic Functioning. <i>Research on Child and Adolescent Psychopathology</i> , 2021, 49, 629-642.	2.3	7
86	Identifying profiles of multisystem physiological activity across early childhood: Examining developmental shifts and associations with stress and internalizing problems. <i>Psychoneuroendocrinology</i> , 2021, 128, 105196.	2.7	7
87	An immunogenomic phenotype predicting behavioral treatment response: Toward precision psychiatry for mothers and children with trauma exposure. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 350-362.	4.1	7
88	Developmental consequences of early life stress on risk for psychopathology: Longitudinal associations with children's multisystem physiological regulation and executive functioning. <i>Development and Psychopathology</i> , 2021, 33, 1759-1773.	2.3	7
89	Children's biobehavioral reactivity to challenge predicts DNA methylation in adolescence and emerging adulthood. <i>Developmental Science</i> , 2019, 22, e12739.	2.4	6
90	Associations of prenatal metabolomics profiles with early childhood growth trajectories and obesity risk in African Americans: the CANDLE study. <i>International Journal of Obesity</i> , 2021, 45, 1439-1447.	3.4	6

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91	Associations between multisystem stress reactivity and peer nominated aggression in early childhood vary by sex. <i>Development and Psychopathology</i> , 2020, 32, 1888-1898.	2.3	6
92	Associations Between Maternal Stressful Life Events and Perceived Distress during Pregnancy and Child Mental Health at Age 4. <i>Research on Child and Adolescent Psychopathology</i> , 2022, 50, 977-986.	2.3	6
93	Layered Social Network Analysis Reveals Complex Relationships in Kindergarteners. <i>Frontiers in Psychology</i> , 2016, 7, 276.	2.1	5
94	Basal and reactivity levels of cortisol in one-month-old infants born to overweight or obese mothers from an ethnically and racially diverse, low-income community sample. <i>Psychoneuroendocrinology</i> , 2018, 88, 115-120.	2.7	5
95	Child and caregiver executive function in trauma-exposed families: Relations with children's behavioral and cognitive functioning. <i>Journal of Experimental Child Psychology</i> , 2020, 200, 104946.	1.4	5
96	Maternal early exposure to violence, psychopathology, and child adaptive functioning: pre- and postnatal programming. <i>Pediatric Research</i> , 2022, 92, 91-97.	2.3	5
97	Participation in the special supplemental nutrition program for women, infants, and children is not associated with early childhood socioemotional development: Results from a longitudinal cohort study. <i>Preventive Medicine Reports</i> , 2016, 4, 507-511.	1.8	4
98	Longitudinal hair cortisol in low-income young children: A useful biomarker of behavioral symptom change?. <i>Psychoneuroendocrinology</i> , 2021, 133, 105389.	2.7	4
99	Oxidative Balance Score during Pregnancy Is Associated with Oxidative Stress in the CANDLER Study. <i>Nutrients</i> , 2022, 14, 2327.	4.1	4
100	Maternal depressive symptoms and infant healthcare utilization: The moderating role of prenatal mindfulness. <i>General Hospital Psychiatry</i> , 2018, 53, 82-83.	2.4	3
101	Examination of the associations between young children's trauma exposure, trauma-symptomatology, and executive function. <i>Child Abuse and Neglect</i> , 2020, 108, 104635.	2.6	3
102	Infant weight-for-length gain associated with autonomic nervous system reactivity. <i>Pediatric Research</i> , 2020, 90, 472-478.	2.3	3
103	Pregnancy intention and phthalate metabolites among pregnant women in The Infant Development and Environment Study cohort. <i>Paediatric and Perinatal Epidemiology</i> , 2020, 34, 736-743.	1.7	3
104	Associations Between Maternal Nutrition in Pregnancy and Child Blood Pressure at 4-6 Years: A Prospective Study in a Community-Based Pregnancy Cohort. <i>Journal of Nutrition</i> , 2021, 151, 949-961.	2.9	3
105	Maternal Stressful Life Events during Pregnancy and Atopic Dermatitis in Children Aged Approximately 4-6 Years. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9696.	2.6	3
106	Distribution, Stability, and Continuity of Autonomic Nervous System Responsivity at 18- and 36-Months of Age. <i>Biological Research for Nursing</i> , 2021, 23, 208-217.	1.9	2
107	Differences in Febrile and Respiratory Illnesses in Minority Children: The Sociodemographic Context of Restrictive Parenting. <i>Academic Pediatrics</i> , 2019, 19, 534-541.	2.0	0
108	Associations of prenatal exposure to NO ₂ and near roadway residence with placental gene expression. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0

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109	Residential greenspace and internalizing behaviors in early childhood. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
110	A Pilot Validation Study of the Newborn Behavioral Observations System: Associations with Salivary Cortisol and Temperament. Journal of Developmental and Behavioral Pediatrics, 2020, 41, 716-723.	1.1	0
111	The prism of reactivity: Concordance between biobehavioral domains of infant stress reactivity. , 2022, 67, 101704.		0
112	Associations between APOL1 genetic variants and blood pressure in African American mothers and children from a U.S. pregnancy cohort: Modification by air pollution exposures. Environmental Research, 2022, 212, 113186.	7.5	0