

Martha G Welch

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,905
citations

257450

24
h-index

276875

41
g-index

56
all docs

56
docs citations

56
times ranked

1508
citing authors

#	ARTICLE	IF	CITATIONS
1	Family Nurture Intervention in the Neonatal Intensive Care Unit improves social-relatedness, attention, and neurodevelopment of preterm infants at 18 months in a randomized controlled trial. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2015, 56, 1202-1211.	5.2	155
2	Association of Birth During the COVID-19 Pandemic With Neurodevelopmental Status at 6 Months in Infants With and Without In Utero Exposure to Maternal SARS-CoV-2 Infection. <i>JAMA Pediatrics</i> , 2022, 176, e215563.	6.2	135
3	Expression and developmental regulation of oxytocin (OT) and oxytocin receptors (OTR) in the enteric nervous system (ENS) and intestinal epithelium. <i>Journal of Comparative Neurology</i> , 2009, 512, 256-270.	1.6	110
4	Oxytocin regulates gastrointestinal motility, inflammation, macromolecular permeability, and mucosal maintenance in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G848-G862.	3.4	108
5	Depression and anxiety symptoms of mothers of preterm infants are decreased at 4 months corrected age with Family Nurture Intervention in the NICU. <i>Archives of Women's Mental Health</i> , 2016, 19, 51-61.	2.6	86
6	Electroencephalographic activity of preterm infants is increased by Family Nurture Intervention: A randomized controlled trial in the NICU. <i>Clinical Neurophysiology</i> , 2014, 125, 675-684.	1.5	82
7	Family nurture intervention in preterm infants increases early development of cortical activity and independence of regional power trajectories. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 1952-1960.	1.5	75
8	Family Nurture Intervention Improves the Quality of Maternal Caregiving in the Neonatal Intensive Care Unit. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2015, 36, 188-196.	1.1	70
9	Family nurture intervention (FNI): methods and treatment protocol of a randomized controlled trial in the NICU. <i>BMC Pediatrics</i> , 2012, 12, 14.	1.7	69
10	Autonomic regulation of preterm infants is enhanced by Family Nurture Intervention. <i>Developmental Psychobiology</i> , 2019, 61, 942-952.	1.6	68
11	Family nurture intervention for preterm infants facilitates positive mother-infant face-to-face engagement at 4 months. <i>Developmental Psychology</i> , 2018, 54, 2016-2031.	1.6	48
12	A review of newborn outcomes during the COVID-19 pandemic. <i>Seminars in Perinatology</i> , 2020, 44, 151286.	2.5	47
13	Randomized controlled trial of Family Nurture Intervention in the NICU: assessments of length of stay, feasibility and safety. <i>BMC Pediatrics</i> , 2013, 13, 148.	1.7	46
14	Calming cycle theory: the role of visceral/autonomic learning in early mother and infant/child behaviour and development. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 1266-1274.	1.5	44
15	Advances in family-based interventions in the neonatal ICU. <i>Current Opinion in Pediatrics</i> , 2016, 28, 163-169.	2.0	42
16	Dopamine neuron dependent behaviors mediated by glutamate cotransmission. <i>ELife</i> , 2017, 6, .	6.0	41
17	Secretin activates visceral brain regions in the rat including areas abnormal in autism. <i>Cellular and Molecular Neurobiology</i> , 2003, 23, 817-837.	3.3	38
18	The Welch Emotional Connection Screen: validation of a brief mother-infant relational health screen. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 615-625.	1.5	37

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19	Variations in maternal behavior in rats selected for infant ultrasonic vocalization in isolation. <i>Hormones and Behavior</i> , 2015, 75, 78-83.	2.1	36
20	Calming Cycle Theory and the Co-Regulation of Oxytocin. <i>Psychodynamic Psychiatry</i> , 2017, 45, 519-540.	0.3	36
21	Combined administration of secretin and oxytocin inhibits chronic colitis and associated activation of forebrain neurons. <i>Neurogastroenterology and Motility</i> , 2010, 22, 654-e202.	3.0	31
22	Oxytocin modulates mTORC1 pathway in the gut. <i>Biochemical and Biophysical Research Communications</i> , 2013, 432, 466-471.	2.1	31
23	Brain Effects of Chronic IBD in Areas Abnormal in Autism and Treatment by Single Neuropeptides Secretin and Oxytocin. <i>Journal of Molecular Neuroscience</i> , 2005, 25, 259-274.	2.3	30
24	Family nurture intervention in the NICU increases autonomic regulation in mothers and children at 4-5 years of age: Follow-up results from a randomized controlled trial. <i>PLoS ONE</i> , 2020, 15, e0236930.	2.5	29
25	Integrated information in the EEG of preterm infants increases with family nurture intervention, age, and conscious state. <i>PLoS ONE</i> , 2018, 13, e0206237.	2.5	28
26	Nurturescience versus neuroscience: A case for rethinking perinatal motherâ€“infant behaviors and relationship. <i>Birth Defects Research</i> , 2019, 111, 1110-1127.	1.5	27
27	Darwinâ€™s Other Dilemmas and the Theoretical Roots of Emotional Connection. <i>Frontiers in Psychology</i> , 2019, 10, 683.	2.1	27
28	Outcomes of Prolonged Parentâ€“Child Embrace Therapy among 102 children with behavioral disorders. <i>Complementary Therapies in Clinical Practice</i> , 2006, 12, 3-12.	1.7	24
29	Colostrum oxytocin modulates cellular stress response, inflammation, and autophagy markers in newborn rat gut villi. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 47-53.	2.1	24
30	Early Life Maternal Separation and Maternal Behaviour Modulate Acoustic Characteristics of Rat Pup Ultrasonic Vocalizations. <i>Scientific Reports</i> , 2019, 9, 19012.	3.3	24
31	Oxytocin opposes effects of bacterial endotoxin on ER-stress signaling in Caco2BB gut cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 402-411.	2.4	22
32	Perinatal antibiotics alter preterm infant EEG and neurobehavior in the Family Nurture Intervention trial. <i>Developmental Psychobiology</i> , 2019, 61, 661-669.	1.6	21
33	Enteric serotonin and oxytocin: endogenous regulation of severity in a murine model of necrotizing enterocolitis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G386-G398.	3.4	20
34	Validation study showed that ratings on the Welch Emotional Connection Screen at infant age six months are associated with child behavioural problems at age three years. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 889-895.	1.5	17
35	PI3K/Akt responses to oxytocin stimulation in Caco2BB gut cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3216-3226.	2.6	16
36	Pandemic beyond the virus: maternal COVID-related postnatal stress is associated with infant temperament. <i>Pediatric Research</i> , 2023, 93, 253-259.	2.3	16

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37	Predicted role of secretin and oxytocin in the treatment of behavioral and developmental disorders: implications for autism. <i>International Review of Neurobiology</i> , 2005, 71, 273-315.	2.0	15
38	How babies learn: The autonomic socioemotional reflex. <i>Early Human Development</i> , 2020, 151, 105183.	1.8	15
39	Oxytocin modulates markers of the unfolded protein response in Caco2BB gut cells. <i>Cell Stress and Chaperones</i> , 2014, 19, 465-477.	2.9	13
40	Prairie vole pups show potentiated isolation-induced vocalizations following isolation from their mother, but not their father. <i>Developmental Psychobiology</i> , 2016, 58, 687-699.	1.6	12
41	Increased trophoblast inclusions in placentas from prematurely born infants: A potential marker of risk for preterm neurodevelopmental outcomes. <i>Placenta</i> , 2017, 60, 61-63.	1.5	12
42	Preterm infant heart rate is lowered after Family Nurture Intervention in the NICU: Evidence in support of autonomic conditioning. <i>Early Human Development</i> , 2021, 161, 105455.	1.8	10
43	Cutting the vagus nerve below the diaphragm prevents maternal potentiation of infant rat vocalization. <i>Developmental Psychobiology</i> , 2012, 54, 70-76.	1.6	9
44	Nurture in the neonatal intensive care unit. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 730-731.	1.5	9
45	Wired to Connect: The Autonomic Socioemotional Reflex Arc. <i>Frontiers in Psychology</i> , 0, 13, .	2.1	9
46	The practical utility of the Welch Emotional Connection Screen for rating parent-infant relational health. <i>Infancy</i> , 2019, 24, 881-892.	1.6	7
47	Mother/Infant Emotional Communication Through the Lens of Visceral/Autonomic Learning. , 2017, , 271-294.		6
48	Assessing Cellular Stress and Inflammation in Discrete Oxytocin-secreting Brain Nuclei in the Neonatal Rat Before and After First Colostrum Feeding. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	5
49	Family nurture intervention alters relationships between preterm infant EEG delta brush characteristics and term age EEG power. <i>Clinical Neurophysiology</i> , 2020, 131, 1909-1916.	1.5	5
50	Family nurture intervention increases term age forebrain EEG activity: A multicenter replication trial. <i>Clinical Neurophysiology</i> , 2022, 138, 52-60.	1.5	4
51	The Welch Emotional Connection Screen: Adapting observational methods to pediatric primary care via resident training. , 2021, 65, 101629.		3
52	Adapting the Welch Emotional Connection Screen (WECS) into Minimal English and Seven Other Minimal Languages. , 2021, , 225-254.		3
53	Effects of Family Nurture Intervention in the NICU on Theory of Mind Abilities in Children Born Very Preterm: A Randomized Controlled Trial. <i>Children</i> , 2022, 9, 284.	1.5	1