

George F Michel

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

4,793
citations

117625

34
h-index

133252

59
g-index

137
all docs

137
docs citations

137
times ranked

3422
citing authors

#	ARTICLE	IF	CITATIONS
1	Less can be more: Fine tuning the maternal brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 133, 104475.	6.1	29
2	Prenatal and postnatal intimate partner violence, depression, and infant-mother touch. , 2022, 67, 101703.		6
3	Oxytocin interactions with central dopamine and serotonin systems regulate different components of motherhood. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	6
4	Oxytocin receptor expression in the midbrain dorsal raphe is dynamic across female reproduction in rats. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12926.	2.6	7
5	Impact of daytime light intensity on the central orexin (hypocretin) system of a diurnal rodent (<i>Arvicantis niloticus</i>). <i>European Journal of Neuroscience</i> , 2021, 54, 4167-4181.	2.6	5
6	Fos expression in the medial preoptic area and nucleus accumbens of female Japanese quail (<i>Coturnix</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 113357.	2.1	1
7	Handedness Development: A Model for Investigating the Development of Hemispheric Specialization and Interhemispheric Coordination. <i>Symmetry</i> , 2021, 13, 992.	2.2	15
8	Oxytocin receptors in the midbrain dorsal raphe are essential for postpartum maternal social and affective behaviors. <i>Psychoneuroendocrinology</i> , 2021, 131, 105332.	2.7	12
9	Neurobiology of peripartum mental illness. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021, 182, 63-82.	1.8	10
10	Postpartum State, but Not Maternal Caregiving or Level of Anxiety, Increases Medial Prefrontal Cortex GAD65 and vGAT in Female Rats. <i>Frontiers in Global Women S Health</i> , 2021, 2, 746518.	2.3	3
11	Psychobiological development in primates: Introduction to joint special issue with <i>American Journal of Primatology</i> . <i>Developmental Psychobiology</i> , 2020, 62, 893-894.	1.6	1
12	Decreased mesolimbic Dopaminergic signaling underlies the waning of maternal caregiving across the postpartum period in rats. <i>Psychopharmacology</i> , 2020, 237, 1107-1119.	3.1	9
13	A perspective on the development of hemispheric specialization, infant handedness, and cerebral palsy. <i>Cortex</i> , 2020, 127, 208-220.	2.4	14
14	Preschool language ability is predicted by toddler hand preference trajectories.. <i>Developmental Psychology</i> , 2020, 56, 699-709.	1.6	15
15	The dynamic serotonin system of the maternal brain. <i>Archives of Women's Mental Health</i> , 2019, 22, 237-243.	2.6	12
16	DNA methylation and behavioral changes induced by neonatal spinal transection. , 2019, 57, 101381.		3
17	Onset of neonatal locomotor behavior and the mechanical development of Achilles and tail tendons. <i>Journal of Biomechanics</i> , 2019, 96, 109354.	2.1	14
18	Orexineric modulation of serotonin neurons in the dorsal raphe of a diurnal rodent, <i>Arvicantis niloticus</i> . <i>Hormones and Behavior</i> , 2019, 116, 104584.	2.1	11

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19	Low Daytime Light Intensity Disrupts Male Copulatory Behavior, and Upregulates Medial Preoptic Area Steroid Hormone and Dopamine Receptor Expression, in a Diurnal Rodent Model of Seasonal Affective Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 72.	2.0	19
20	The Development of Object Construction From Infancy Through Toddlerhood. <i>Infancy</i> , 2019, 24, 368-391.	1.6	5
21	Serotonin and motherhood: From molecules to mood. <i>Frontiers in Neuroendocrinology</i> , 2019, 53, 100742.	5.2	41
22	Light as a modulator of emotion and cognition: Lessons learned from studying a diurnal rodent. <i>Hormones and Behavior</i> , 2019, 111, 78-86.	2.1	32
23	Serotonin-specific lesions of the dorsal raphe disrupt maternal aggression and caregiving in postpartum rats. <i>Behavioural Brain Research</i> , 2018, 348, 53-64.	2.2	16
24	The development of neuromotor skills and hand preference during infancy. <i>Developmental Psychobiology</i> , 2018, 60, 165-175.	1.6	24
25	The Spinal Cord, Not to Be Forgotten: the Final Common Path for Development, Training and Recovery of Motor Function. <i>Perspectives on Behavior Science</i> , 2018, 41, 369-393.	1.9	4
26	Evolution and development of handedness: An Evo-Devo approach. <i>Progress in Brain Research</i> , 2018, 238, 347-374.	1.4	11
27	The Neurobiology of Postpartum Anxiety and Depression. <i>Trends in Neurosciences</i> , 2017, 40, 106-120.	8.6	191
28	Do different data analytic approaches generate discrepant findings when measuring mother-infant HPA axis attunement?. <i>Developmental Psychobiology</i> , 2017, 59, 174-184.	1.6	27
29	Toddler hand preference trajectories predict 3-year language outcome. <i>Developmental Psychobiology</i> , 2017, 59, 876-887.	1.6	29
30	Exposure to intimate partner violence in utero and infant internalizing behaviors: Moderation by salivary cortisol-alpha amylase asymmetry. <i>Early Human Development</i> , 2017, 113, 40-48.	1.8	16
31	Motherhood and infant contact regulate neuroplasticity in the serotonergic midbrain dorsal raphe. <i>Psychoneuroendocrinology</i> , 2017, 76, 97-106.	2.7	24
32	How Might the Relation of the Development of Hand Preferences to the Development of Cognitive Functions be Examined During Infancy: A Sketch?. <i>Frontiers in Neuroscience</i> , 2017, 11, 739.	2.8	13
33	Nicotine-induced and D1-receptor-dependent dendritic remodeling in a subset of dorsolateral striatum medium spiny neurons. <i>Neuroscience</i> , 2017, 356, 242-254.	2.3	12
34	Infant Hand Preference and the Development of Cognitive Abilities. <i>Frontiers in Psychology</i> , 2016, 7, 410.	2.1	37
35	Maternal behavior influences development of a reflexive action pattern in the newborn rat. <i>Developmental Psychobiology</i> , 2016, 58, 1043-1054.	1.6	0
36	Development of role-differentiated bimanual manipulation in infancy: Part 3. Its relation to the development of bimanual object acquisition and bimanual non-differentiated manipulation. <i>Developmental Psychobiology</i> , 2016, 58, 268-277.	1.6	13

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37	Do hand preferences predict stacking skill during infancy?. <i>Developmental Psychobiology</i> , 2016, 58, 958-967.	1.6	12
38	Development of role-differentiated bimanual manipulation in infancy: Part 2. Hand preferences for object acquisition and RDBM's continuity or discontinuity?. <i>Developmental Psychobiology</i> , 2016, 58, 257-267.	1.6	19
39	Development of role-differentiated bimanual manipulation in infancy: Part 1. The emergence of the skill. <i>Developmental Psychobiology</i> , 2016, 58, 243-256.	1.6	28
40	Extensive juvenile "babysitting" facilitates later adult maternal responsiveness, decreases anxiety, and increases dorsal raphe tryptophan hydroxylase-2 expression in female laboratory rats. <i>Developmental Psychobiology</i> , 2016, 58, 492-508.	1.6	17
41	Introduction to this Special Issue on parental behavior in honor of Jay S. Rosenblatt. <i>Hormones and Behavior</i> , 2016, 77, 1-2.	2.1	4
42	Posture effects on spontaneous limb movements, alternated stepping, and the leg extension response in neonatal rats. <i>Physiology and Behavior</i> , 2016, 155, 122-130.	2.1	2
43	Decreased daytime illumination leads to anxiety-like behaviors and HPA axis dysregulation in the diurnal grass rat (<i>Arvicanthis niloticus</i>). <i>Behavioural Brain Research</i> , 2016, 300, 77-84.	2.2	29
44	Serotonergic activation of locomotor behavior and posture in one-day old rats. <i>Behavioural Brain Research</i> , 2016, 302, 104-114.	2.2	5
45	Associations among within-litter differences in early mothering received and later emotional behaviors, mothering, and cortical tryptophan hydroxylase-2 expression in female laboratory rats. <i>Hormones and Behavior</i> , 2016, 77, 62-71.	2.1	12
46	Affective changes during the postpartum period: Influences of genetic and experiential factors. <i>Hormones and Behavior</i> , 2016, 77, 141-152.	2.1	35
47	Developmental plasticity of coordinated action patterns in the perinatal rat. <i>Developmental Psychobiology</i> , 2015, 57, 409-420.	1.6	18
48	A model to investigate the mechanisms underlying the emergence and development of independent sitting. <i>Developmental Science</i> , 2015, 18, 622-634.	2.4	2
49	Adolescent nicotine alters dendritic morphology in the bed nucleus of the stria terminalis. <i>Neuroscience Letters</i> , 2015, 590, 111-115.	2.1	9
50	Adolescent nicotine induces persisting changes in development of neural connectivity. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 432-443.	6.1	91
51	Different assessment tasks produce different estimates of handedness stability during the eight to 14 month age period. , 2015, 39, 67-80.		21
52	Common and divergent psychobiological mechanisms underlying maternal behaviors in non-human and human mammals. <i>Hormones and Behavior</i> , 2015, 73, 156-185.	2.1	110
53	Developmental plasticity in the control and functional recovery of motor behavior. <i>Developmental Psychobiology</i> , 2015, 57, 383-384.	1.6	0
54	Role of the D3 dopamine receptor in nicotine sensitization. <i>Behavioural Brain Research</i> , 2015, 289, 92-104.	2.2	15

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55	The influence of a hand preference for acquiring objects on the development of a hand preference for unimanual manipulation from 6 to 14 months. , 2015, 39, 107-117.		30
56	Range of motion (ROM) restriction influences quipazine-induced stepping behavior in postnatal day one and day ten rats. Behavioural Brain Research, 2014, 274, 365-381.	2.2	5
57	Sitting infants alter the magnitude and structure of postural sway when performing a manual goal-directed task. Developmental Psychobiology, 2014, 56, 1416-1422.	1.6	12
58	Postural Influences on the Development of Infant Lateralized and Symmetric Hand Use. Child Development, 2014, 85, 294-307.	3.0	22
59	A Developmental Psychobiological Approach to Human Development. Research in Human Development, 2014, 11, 37-49.	1.3	6
60	Sensorimotor training during expression of the leg extension response (LER) in 1-day-old rats. Developmental Psychobiology, 2014, 56, 1553-1563.	1.6	3
61	Anxiety status affects nicotine- and baclofen-induced locomotor activity, anxiety, and single-trial conditioned place preference in male adolescent rats. Developmental Psychobiology, 2014, 56, 1352-1364.	1.6	12
62	Effectiveness of topical anesthetics on reducing tactile sensitivity in the paws of newborn rats. Developmental Psychobiology, 2014, 56, 126-132.	1.6	5
63	Relational trauma in the context of intimate partner violence. Child Abuse and Neglect, 2014, 38, 1966-1975.	2.6	29
64	Placentophagia in weanling female laboratory rats. Developmental Psychobiology, 2014, 56, 1290-1299.	1.6	6
65	New knockout model confirms a role for androgen receptors in regulating anxiety-like behaviors and HPA response in mice. Hormones and Behavior, 2014, 65, 211-218.	2.1	47
66	Prematurely delivered rats show improved motor coordination during sensory-evoked motor responses compared to age-matched controls. Physiology and Behavior, 2014, 130, 75-84.	2.1	9
67	Effects of sex and reproductive experience on the number of orexin A-immunoreactive cells in the prairie vole brain. Peptides, 2014, 57, 122-128.	2.4	7
68	Latent classes in the developmental trajectories of infant handedness.. Developmental Psychology, 2014, 50, 349-359.	1.6	49
69	Early handedness in infancy predicts language ability in toddlers.. Developmental Psychology, 2014, 50, 809-814.	1.6	62
70	Sensory feedback alters spontaneous limb movements in newborn rats: Effects of unilateral forelimb weighting. Developmental Psychobiology, 2013, 55, 323-333.	1.6	44
71	The concept of homology in the development of handedness. Developmental Psychobiology, 2013, 55, 84-91.	1.6	11
72	Unimanual to bimanual: Tracking the development of handedness from 6 to 24 months. , 2013, 36, 181-188.		78

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73	How the development of handedness could contribute to the development of language. <i>Developmental Psychobiology</i> , 2013, 55, 608-620.	1.6	30
74	Multiple Trajectories in the Developmental Psychobiology of Human Handedness. <i>Advances in Child Development and Behavior</i> , 2013, 45, 227-260.	1.3	37
75	A developmental science commentary on Charney's "Behavior genetics and postgenomics". <i>Behavioral and Brain Sciences</i> , 2012, 35, 371-372.	0.7	0
76	l-Amino acid decarboxylase- and tyrosine hydroxylase-immunoreactive cells in the extended olfactory amygdala and elsewhere in the adult prairie vole brain. <i>Journal of Chemical Neuroanatomy</i> , 2012, 43, 76-85.	2.1	11
77	Sensory feedback modulates quipazine-induced stepping behavior in the newborn rat. <i>Behavioural Brain Research</i> , 2012, 229, 257-264.	2.2	16
78	Effects of noradrenergic alpha-2 receptor antagonism or noradrenergic lesions in the ventral bed nucleus of the stria terminalis and medial preoptic area on maternal care in female rats. <i>Psychopharmacology</i> , 2012, 224, 263-276.	3.1	25
79	Using knowledge of development to promote recovery of function after brain damage. <i>Developmental Psychobiology</i> , 2012, 54, 350-356.	1.6	2
80	Effects of acute stress on acquisition of nicotine conditioned place preference in adolescent rats: a role for corticotropin-releasing factor 1 receptors. <i>Psychopharmacology</i> , 2012, 219, 73-82.	3.1	50
81	Use of the light-dark box to compare the anxiety-related behavior of virgin and postpartum female rats. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 100, 130-137.	2.9	59
82	Behavioral science, engineering, and poetry revisited.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2010, 124, 336-341.	0.5	4
83	GABAA receptor antagonism in the ventrocaudal periaqueductal gray increases anxiety in the anxiety-resistant postpartum rat. <i>Pharmacology Biochemistry and Behavior</i> , 2010, 95, 457-465.	2.9	19
84	Development of infant prehension handedness: A longitudinal analysis during the 6- to 14-month age period. , 2010, 33, 492-502.		51
85	Development of role-differentiated bimanual manipulation during the infant's first year. <i>Developmental Psychobiology</i> , 2010, 52, 168-180.	1.6	56
86	Social novelty increases tyrosine hydroxylase immunoreactivity in the extended olfactory amygdala of female prairie voles. <i>Physiology and Behavior</i> , 2010, 100, 381-386.	2.1	15
87	Relation of stable hand-use preferences to the development of skill for managing multiple objects from 7 to 13 months of age. <i>Developmental Psychobiology</i> , 2008, 50, 519-529.	1.6	39
88	Prenatal Development of Interlimb Motor Learning in the Rat Fetus. <i>Infancy</i> , 2008, 13, 204-228.	1.6	56
89	Nicotine place preference in a biased conditioned place preference design. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 89, 94-100.	2.9	57
90	Doing what comes naturally: The role of self generated experience in behavioral development. <i>International Journal of Developmental Sciences</i> , 2007, 1, 155-164.	0.5	2

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91	Can knowledge of developmental processes illuminate the evolution of parental care?. <i>Developmental Psychobiology</i> , 2007, 49, 33-44.	1.6	10
92	Developing human nature: "Development to" versus "Development from". <i>Developmental Psychobiology</i> , 2007, 49, 788-799.	1.6	11
93	Sex and species differences in tyrosine hydroxylase-synthesizing cells of the rodent olfactory extended amygdala. <i>Journal of Comparative Neurology</i> , 2007, 500, 103-115.	1.6	43
94	Regulation of anxiety during the postpartum period. <i>Frontiers in Neuroendocrinology</i> , 2007, 28, 115-141.	5.2	181
95	Immediate and long-term behavioral effects of a single nicotine injection in adolescent and adult rats. <i>Neurotoxicology and Teratology</i> , 2007, 29, 74-80.	2.4	79
96	Tyrosine hydroxylase-synthesizing cells in the hypothalamus of prairie voles (<i>Microtus ochrogaster</i>): Sex differences in the anteroventral periventricular preoptic area and effects of adult gonadectomy or neonatal gonadal hormones. <i>Journal of Neurobiology</i> , 2006, 66, 197-204.	3.6	21
97	The manifestation of infant hand-use preferences when reaching for objects during the seven- to thirteen-month age period. <i>Developmental Psychobiology</i> , 2006, 48, 436-443.	1.6	61
98	Resolving Apparent Contradictions Concerning the Relationships Among Fear or Anxiety and Aggression During Lactation: Theoretical Comment on D'Anna, Stevenson, and Gammie (2005).. <i>Behavioral Neuroscience</i> , 2005, 119, 1165-1168.	1.2	17
99	A Meta-Analysis of Primate Hand Preferences, Particularly for Reaching.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2005, 119, 33-48.	0.5	134
100	Critical period: A history of the transition from questions of when, to what, to how. <i>Developmental Psychobiology</i> , 2005, 46, 156-162.	1.6	107
101	Unexpected Effects of Perinatal Gonadal Hormone Manipulations on Sexual Differentiation of the Extrahypothalamic Arginine-Vasopressin System in Prairie Voles. <i>Endocrinology</i> , 2005, 146, 1559-1567.	2.8	35
102	Reduced anxiety in postpartum rats requires recent physical interactions with pups, but is independent of suckling and peripheral sources of hormones. <i>Hormones and Behavior</i> , 2005, 47, 241-255.	2.1	119
103	Animal models of periadolescent substance abuse. <i>Neurotoxicology and Teratology</i> , 2003, 25, 291-301.	2.4	101
104	Infant hand-use preferences for grasping objects contributes to the development of a hand-use preference for manipulating objects. <i>Developmental Psychobiology</i> , 2003, 43, 328-334.	1.6	60
105	Individual Differences in Maternal Care Reveal the Neural Mechanisms of Nurture. <i>Endocrinology</i> , 2003, 144, 4718-4719.	2.8	2
106	Ontogenetic constraints on the evolution of right-handedness. <i>Behavioral and Brain Sciences</i> , 2003, 26, .	0.7	1
107	Effects of dopamine receptor antagonism with haloperidol on nurturing behavior in the biparental prairie vole. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 74, 11-19.	2.9	47
108	Evidence of a right-shift factor affecting infant hand-use preferences from 7 to 11 months of age as revealed by latent class analysis. <i>Developmental Psychobiology</i> , 2002, 40, 1-13.	1.6	63

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109	Sensory, hormonal, and neural control of maternal aggression in laboratory rodents. <i>Neuroscience and Biobehavioral Reviews</i> , 2002, 26, 869-888.	6.1	235
110	What is embodied: "A-not-B error" or delayed-response learning?. <i>Behavioral and Brain Sciences</i> , 2001, 24, 54-55.	0.7	1
111	Social influences on parental and nonparental responses toward pups in virgin female prairie voles (<i>Microtus ochrogaster</i>).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2001, 115, 53-61.	0.5	50
112	Growth curve analyses are best suited to examine the relation between developmental pathways and selective breeding: Comment on Hofer, Shair, Masmela, & Brunelli, "Developmental effects of selective breeding for an infantile trait: The rat pup ultrasonic isolation call?". <i>Developmental Psychobiology</i> , 2001, 39, 247-250.	1.6	6
113	A Developmental-Psychobiological Approach to Developmental Neuropsychology. <i>Developmental Neuropsychology</i> , 2001, 19, 11-32.	1.4	13
114	Sex differences in the parental behavior of rodents. <i>Neuroscience and Biobehavioral Reviews</i> , 2000, 24, 669-686.	6.1	203
115	A holistic developmental theory requires better research techniques. <i>Behavioral and Brain Sciences</i> , 1999, 22, 899-900.	0.7	0
116	Enduring behavioral effects of weaning-through-puberty cocaine dosing in the rat. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1999, 27, 432-437.	1.3	3
117	A lateral bias in the neuropsychological functioning of human infants. <i>Developmental Neuropsychology</i> , 1998, 14, 445-469.	1.4	28
118	Bimanual role-differentiated toy play during infancy. , 1995, 18, 299-307.		55
119	Sex Differences in Parental Influences on Children's Story-Telling Skills. <i>Journal of Genetic Psychology</i> , 1994, 155, 47-58.	1.2	4
120	Listening to Maternal Story Telling Affects Narrative Skill of 5-Year-Old Children. <i>Journal of Genetic Psychology</i> , 1994, 155, 247-257.	1.2	34
121	Maternal influences on infant hand-use during play with toys. <i>Behavior Genetics</i> , 1992, 22, 163-176.	2.1	33
122	Infant interest expressions as coordinative motor structures. , 1992, 15, 347-358.		45
123	Rate and timing precision of motor coordination in developmental dyslexia.. <i>Developmental Psychology</i> , 1990, 26, 349-359.	1.6	138
124	Evidence for a maternal effect on infant hand-use preferences. <i>Developmental Psychobiology</i> , 1988, 21, 535-541.	1.6	44
125	Self-Generated Experience and the Development of Lateralized Neurobehavioral Organization in Infants. <i>Advances in the Study of Behavior</i> , 1987, 17, 61-83.	1.6	8
126	Postural and lateral asymmetries in the ontogeny of handedness during infancy. <i>Developmental Psychobiology</i> , 1986, 19, 247-258.	1.6	172

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127	Spatiotemporal linkage in infant interlimb coordination. <i>Developmental Psychobiology</i> , 1986, 19, 259-264.	1.6	32
128	Neonates prenatally exposed to anesthetics: Four-year follow-up. <i>Child Psychiatry and Human Development</i> , 1986, 17, 66-70.	1.9	16
129	The ontogeny of infant bimanual reaching during the first year. , 1986, 9, 81-89.		35
130	Concordance of handedness between teacher and student facilitates learning manual skills. <i>Journal of Human Evolution</i> , 1985, 14, 597-601.	2.6	79
131	Development of Hand-Use Preference during Infancy. , 1983, , 33-70.		31
132	Taming effect of PCPA and 5-HTP in septal rats. <i>Physiological Psychology</i> , 1982, 10, 317-320.	0.8	1
133	Intrauterine birth position predicts newborn supine head position preferences. , 1979, 2, 29-38.		90
134	How supine postural preferences of infants can contribute toward the development of handedness. , 1978, 1, 245-257.		256