Charlotte A Cornil

List of Publications by Year
in descending order

102	3,277	117625	175258
papers	citations	34 h-index	52 g-index

104	104	104	2020
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of aromatase in distinct brain nuclei of the social behaviour network in the expression of sexual behaviour in male Japanese quail. Journal of Neuroendocrinology, 2022, 34, .	2.6	0
2	Neuroestrogens in the control of sexual behavior: Past, present, and future. Current Opinion in Endocrine and Metabolic Research, 2022, 24, 100334.	1.4	4
3	Impact of temperature-induced sex reversal on behavior and sound production in Nile tilapia (Oreochromis niloticus). Hormones and Behavior, 2022, 142, 105173.	2.1	3
4	Photoperiodic control of singing behavior and reproductive physiology in male Fife fancy canaries. Hormones and Behavior, 2022, 143, 105194.	2.1	0
5	Treatment with androgens plus estrogens cannot reverse sex differences in song and the song control nuclei in adult canaries. Hormones and Behavior, 2022, 143, 105197.	2.1	8
6	DNA Methylation Regulates Transcription Factor-Specific Neurodevelopmental but Not Sexually Dimorphic Gene Expression Dynamics in Zebra Finch Telencephalon. Frontiers in Cell and Developmental Biology, 2021, 9, 583555.	3.7	8
7	Effect of chronic intracerebroventricular administration of an aromatase inhibitor on the expression of socio-sexual behaviors in male Japanese quail. Behavioural Brain Research, 2021, 410, 113315.	2.2	4
8	Effect of cycloâ€'oxygenase inhibition on embryonic microglia and the sexual differentiation of the brain and behavior of Japanese quail (Coturnix japonica). Hormones and Behavior, 2021, 134, 105024.	2.1	1
9	Perineuronal nets in HVC and plasticity in male canary song. PLoS ONE, 2021, 16, e0252560.	2.5	8
10	Rapid changes in brain estrogen concentration during male sexual behavior are site and stimulus specific. Scientific Reports, 2021, 11, 20130.	3.3	12
11	Comparing perineuronal nets and parvalbumin development between blackbird species with differences in early developmental song exposure. Journal of Experimental Biology, 2020, 223, .	1.7	3
12	Seasonal changes of perineuronal nets and song learning in adult canaries (Serinus canaria). Behavioural Brain Research, 2020, 380, 112437.	2.2	22
13	Role for the membrane estrogen receptor alpha in the sexual differentiation of the brain. European Journal of Neuroscience, 2020, 52, 2627-2645.	2.6	23
14	Testosterone stimulates perineuronal nets development around parvalbumin cells in the adult canary brain in parallel with song crystallization. Hormones and Behavior, 2020, 119, 104643.	2.1	20
15	Key role of estrogen receptor Î² in the organization of brain and behavior of the Japanese quail. Hormones and Behavior, 2020, 125, 104827.	2.1	12
16	Estrogenâ€dependent sex difference in microglia in the developing brain of Japanese quail (<i>Coturnix) Tj ETQq0 0 0 rgBT /Overlock 10	3.0	5
17	Sexually differentiated and neuroanatomically specific coâ€expression of aromatase neurons and GAD67 in the male and female quail brain. European Journal of Neuroscience, 2020, 52, 2963-2981.	2.6	4
18	Consequences of temperature-induced sex reversal on hormones and brain in Nile tilapia (Oreochromis niloticus). Hormones and Behavior, 2020, 121, 104728.	2.1	13

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19	Development of Perineuronal Nets during Ontogeny Correlates with Sensorimotor Vocal Learning in Canaries. ENeuro, 2020, 7, ENEURO.0361-19.2020.	1.9	18
20	Personality and gonadal development as sources of individual variation in response to GnRH challenge in female great tits. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190142.	2.6	7
21	Rapid testosterone-induced growth of the medial preoptic nucleus in male canaries. Physiology and Behavior, 2019, 204, 20-26.	2.1	14
22	Alternative Views on the Role of Sex Steroid Hormones on the Emergence of Phenotypic Diversity in Female Sexual Orientation. Archives of Sexual Behavior, 2019, 48, 1309-1313.	1.9	5
23	Steroid profiles in quail brain and serum: Sex and regional differences and effects of castration with steroid replacement. Journal of Neuroendocrinology, 2019, 31, e12681.	2.6	13
24	Effects of a novel partner and sexual satiety on the expression of male sexual behavior and brain aromatase activity in quail. Behavioural Brain Research, 2019, 359, 502-515.	2.2	1
25	Site-specific effects of aromatase inhibition on the activation of male sexual behavior in male Japanese quail (Coturnix japonica). Hormones and Behavior, 2019, 108, 42-49.	2.1	11
26	Testosterone or Estradiol When Implanted in the Medial Preoptic Nucleus Trigger Short Low-Amplitude Songs in Female Canaries. ENeuro, 2019, 6, ENEURO.0502-18.2019.	1.9	11
27	The regulation of birdsong by testosterone: Multiple time-scales and multiple sites of action. Hormones and Behavior, 2018, 104, 32-40.	2.1	37
28	Differential control of appetitive and consummatory sexual behavior by neuroestrogens in male quail. Hormones and Behavior, 2018, 104, 15-31.	2.1	16
29	Dual action of neuro-estrogens in the regulation of male sexual behavior. General and Comparative Endocrinology, 2018, 256, 57-62.	1.8	15
30	Sex differences in behavioral and neurochemical effects of gonadectomy and aromatase inhibition in rats. Psychoneuroendocrinology, 2018, 87, 93-107.	2.7	76
31	On the role of brain aromatase in females: why are estrogens produced locally when they are available systemically?. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 31-49.	1.6	38
32	Behavioral evidence for sex steroids hypersensitivity in castrated male canaries. Hormones and Behavior, 2018, 103, 80-96.	2.1	12
33	Timing of perineuronal net development in the zebra finch song control system correlates with developmental song learning. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180849.	2.6	24
34	Testosteroneâ€induced neuroendocrine changes in the medial preoptic area precede song activation and plasticity in song control nuclei of female canaries. European Journal of Neuroscience, 2017, 45, 886-900.	2.6	21
35	Glutamate released in the preoptic area during sexual behavior controls local estrogen synthesis in male quail. Psychoneuroendocrinology, 2017, 79, 49-58.	2.7	18
36	Perineuronal nets and vocal plasticity in songbirds: A proposed mechanism to explain the difference between closedâ€ended and openâ€ended learning. Developmental Neurobiology, 2017, 77, 975-994.	3.0	30

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37	Topography and Lateralized Effect of Acute Aromatase Inhibition on Auditory Processing in a Seasonal Songbird. Journal of Neuroscience, 2017, 37, 4243-4254.	3.6	27
38	Rapid changes in brain aromatase activity in the female quail brain following expression of sexual behaviour. Journal of Neuroendocrinology, 2017, 29, e12542.	2.6	8
39	Do sex reversal procedures differentially affect agonistic behaviors and sex steroid levels depending on the sexual genotype in Nile tilapia?. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2017, 327, 153-162.	1.9	14
40	Exploring sex differences in the adult zebra finch brain: In vivo diffusion tensor imaging and ex vivo super-resolution track density imaging. NeuroImage, 2017, 146, 789-803.	4.2	18
41	A dynamic, sex-specific expression pattern of genes regulating thyroid hormone action in the developing zebra finch song control system. General and Comparative Endocrinology, 2017, 240, 91-102.	1.8	9
42	Studies of HVC Plasticity in Adult Canaries Reveal Social Effects and Sex Differences as Well as Limitations of Multiple Markers Available to Assess Adult Neurogenesis. PLoS ONE, 2017, 12, e0170938.	2.5	22
43	Non-ovarian aromatization is required to activate female sexual motivation in testosterone-treated ovariectomized quail. Hormones and Behavior, 2016, 83, 45-59.	2.1	19
44	Actions of Steroids: New Neurotransmitters. Journal of Neuroscience, 2016, 36, 11449-11458.	3.6	79
45	Aromatase inhibition rapidly affects in a reversible manner distinct features of birdsong. Scientific Reports, 2016, 6, 32344.	3.3	43
46	Local modulation of steroid action: rapid control of enzymatic activity. Frontiers in Neuroscience, 2015, 9, 83.	2.8	39
47	Anatomically Discrete Sex Differences in Neuroplasticity in Zebra Finches as Reflected by Perineuronal Nets. PLoS ONE, 2015, 10, e0123199.	2.5	26
48	The dual action of estrogen hypothesis. Trends in Neurosciences, 2015, 38, 408-416.	8.6	58
49	Estrogen Receptor Î² Activation Rapidly Modulates Male Sexual Motivation through the Transactivation of Metabotropic Glutamate Receptor 1a. Journal of Neuroscience, 2015, 35, 13110-13123.	3.6	51
50	Mechanism of the mediumâ€duration afterhyperpolarization in rat serotonergic neurons. European Journal of Neuroscience, 2014, 39, 186-196.	2.6	14
51	Age-dependent and age-independent effects of testosterone in male quail. General and Comparative Endocrinology, 2014, 208, 64-72.	1.8	2
52	Relationships between rapid changes in local aromatase activity and estradiol concentrations in male and female quail brain. Hormones and Behavior, 2014, 65, 154-164.	2.1	32
53	Dynamic changes in brain aromatase activity following sexual interactions in males: Where, when and why?. Psychoneuroendocrinology, 2013, 38, 789-799.	2.7	47
54	Rapid Control of Reproductive Behaviour by Locally Synthesised Oestrogens: Focus on Aromatase. Journal of Neuroendocrinology, 2013, 25, 1070-1078.	2.6	21

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55	Neuroestrogens Rapidly Regulate Sexual Motivation But Not Performance. Journal of Neuroscience, 2013, 33, 164-174.	3.6	58
56	Neurochemical Control of Rapid Stressâ€Induced Changes in Brain Aromatase Activity. Journal of Neuroendocrinology, 2013, 25, 329-339.	2.6	18
57	Distinct neuroendocrine mechanisms control neural activity underlying sex differences in sexual motivation and performance. European Journal of Neuroscience, 2013, 37, 735-742.	2.6	7
58	Rapid Modulation of Aromatase Activity in the Vertebrate Brain. Journal of Experimental Neuroscience, 2013, 7, JEN.S11268.	2.3	18
59	Acute and Specific Modulation of Presynaptic Aromatization in the Vertebrate Brain. Endocrinology, 2012, 153, 2562-2567.	2.8	46
60	Brain Aromatase and Circulating Corticosterone are Rapidly Regulated by Combined Acute Stress and Sexual Interaction in a Sexâ€Specific Manner. Journal of Neuroendocrinology, 2012, 24, 1322-1334.	2.6	22
61	Rapid control of male typical behaviors by brain-derived estrogens. Frontiers in Neuroendocrinology, 2012, 33, 425-446.	5.2	98
62	Cellular Mechanisms Controlling Rapid Changes in Brain Aromatase Activity. , 2012, , 416-437.		1
63	Rapid Modulation of Aromatase Activity by Social and Environmental Stimuli in Quail. , 2012, , 438-452.		1
64	Seasonal and individual variation in singing behavior correlates with alpha 2-noradrenergic receptor density in brain regions implicated in song, sexual, and social behavior. Neuroscience, 2011, 182, 133-143.	2.3	15
65	Sex Differences in Brain Aromatase Activity: Genomic and Non-Genomic Controls. Frontiers in Endocrinology, 2011, 2, 34.	3.5	30
66	Acute Stress Differentially Affects Aromatase Activity in Specific Brain Nuclei of Adult Male and Female Quail. Endocrinology, 2011, 152, 4242-4251.	2.8	61
67	Human and Quail Aromatase Activity Is Rapidly and Reversibly Inhibited by Phosphorylating Conditions. Endocrinology, 2011, 152, 4199-4210.	2.8	71
68	Organizing Effects of Sex Steroids on Brain Aromatase Activity in Quail. PLoS ONE, 2011, 6, e19196.	2.5	36
69	Testosterone recruits new aromatase-imunoreactive cells in neonatal quail brain. NeuroReport, 2010, 21, 376-380.	1.2	6
70	Rapid Behavioural Effects of Oestrogens and Fast Regulation of Their Local Synthesis by Brain Aromatase. Journal of Neuroendocrinology, 2010, 22, 664-673.	2.6	55
71	Differential effects of central injections of D1 and D2 receptor agonists and antagonists on male sexual behavior in Japanese quail. European Journal of Neuroscience, 2010, 32, 118-129.	2.6	26
72	Diversity of mechanisms involved in aromatase regulation and estrogen action in the brain. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 1094-1105.	2.4	41

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73	Effects of social experience on subsequent sexual performance in naÃ¯ve male Japanese quail (Coturnix) Tj ETQq1 1 0.784314 rgBT /Ov	2.1	27
74	Is sexual motivational state linked to dopamine release in the medial preoptic area?. Behavioral Neuroscience, 2010, 124, 300-304.	1.2	47
75	Species Differences in the Relative Densities of D1- and D2-Like Dopamine Receptor Subtypes in the Japanese Quail and Rats: An in vitro Quantitative Receptor Autoradiography Study. Brain, Behavior and Evolution, 2009, 73, 81-90.	1.7	16
76	Are rapid changes in gonadal testosterone release involved in the fast modulation of brain estrogen effects?. General and Comparative Endocrinology, 2009, 163, 298-305.	1.8	29
77	Estradiol, a key endocrine signal in the sexual differentiation and activation of reproductive behavior in quail. Journal of Experimental Zoology, 2009, 311A, 323-345.	1.2	89
78	Rapid Regulation of Brain Oestrogen Synthesis: The Behavioural Roles of Oestrogens and their Fates. Journal of Neuroendocrinology, 2009, 21, 217-226.	2.6	36
79	Behavioral Effects of Brainâ€derived Estrogens in Birds. Annals of the New York Academy of Sciences, 2009, 1163, 31-48.	3.8	37
80	D1-like dopamine receptor density in nuclei involved in social behavior correlates with song in a context-dependent fashion in male European starlings. Neuroscience, 2009, 159, 962-973.	2.3	62
81	Presence of aromatase and estrogen receptor alpha in the inner ear of zebra finches. Hearing Research, 2009, 252, 49-55.	2.0	56
82	Interplay among catecholamine systems: Dopamine binds to Î±₂â€adrenergic receptors in birds and mammals. Journal of Comparative Neurology, 2008, 511, 610-627.	1.6	64
83	Dopamine binds to Î±2-adrenergic receptors in the song control system of zebra finches (Taeniopygia) Tj ETQq1 1 0.784314 rgBT /Ov	2.1	25
84	Differential câ€fos expression in the brain of male Japanese quail following exposure to stimuli that predict or do not predict the arrival of a female. European Journal of Neuroscience, 2007, 25, 2835-2846.	2.6	11
85	Estradiol rapidly activates male sexual behavior and affects brain monoamine levels in the quail brain. Behavioural Brain Research, 2006, 166, 110-123.	2.2	90
86	Rapid effects of aromatase inhibition on male reproductive behaviors in Japanese quail. Hormones and Behavior, 2006, 49, 45-67.	2.1	98
87	Rapid changes in production and behavioral action of estrogens. Neuroscience, 2006, 138, 783-791.	2.3	77
88	Neuroanatomical specificity in the expression of the immediate early genec-fosfollowing expression of appetitive and consummatory male sexual behaviour in Japanese quail. European Journal of Neuroscience, 2006, 23, 1869-1887.	2.6	62
89	Functional significance of the rapid regulation of brain estrogen action: Where do the estrogens come from?. Brain Research, 2006, 1126, 2-26.	2.2	200
90	Androgen Mediation of Conditioned Rhythmic Cloacal Sphincter Movements in Japanese Quail (Coturnix japonica).. Journal of Comparative Psychology (Washington, D C: 1983), 2005, 119, 49-57.	0.5	15

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91	Rapid Decreases in Preoptic Aromatase Activity and Brain Monoamine Concentrations after Engaging in Male Sexual Behavior. Endocrinology, 2005, 146, 3809-3820.	2.8	88
92	Dopamine modulates male sexual behavior in Japanese quail in part via actions on noradrenergic receptors. Behavioural Brain Research, 2005, 163, 42-57.	2.2	22
93	Electrophysiological and neurochemical characterization of neurons of the medial preoptic area in Japanese quail (Coturnix japonica). Brain Research, 2004, 1029, 224-240.	2.2	29
94	Aromatase inhibition blocks the expression of sexually-motivated cloacal gland movements in male quail. Behavioural Processes, 2004, 67, 461-469.	1.1	34
95	Effects of central administration of naloxone during the extinction of appetitive sexual responses. Behavioural Brain Research, 2004, 153, 567-572.	2.2	6
96	Preoptic aromatase modulates male sexual behavior: slow and fast mechanisms of action. Physiology and Behavior, 2004, 83, 247-270.	2.1	136
97	The effects of aromatase inhibition on testosterone-dependent conditioned rhythmic cloacal sphincter movements in male Japanese quail. Physiology and Behavior, 2004, 83, 99-105.	2.1	16
98	The neuroendocrinology of reproductive behavior in Japanese quail. Domestic Animal Endocrinology, 2003, 25, 69-82.	1.6	38
99	Multiple mechanisms control brain aromatase activity at the genomic and non-genomic level. Journal of Steroid Biochemistry and Molecular Biology, 2003, 86, 367-379.	2.5	76
100	Dopamine Activates Noradrenergic Receptors in the Preoptic Area. Journal of Neuroscience, 2002, 22, 9320-9330.	3.6	97
101	Immunocytochemical localization of ionotropic glutamate receptors subunits in the adult quail forebrain. Journal of Comparative Neurology, 2000, 428, 577-608.	1.6	36
102	Perineuronal nets and song learning-related neuroplasticity in the songbird brain. Frontiers in Neuroscience, 0, 11, .	2.8	1