

Benoist Schaal

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

5,761
citations

87401

40
h-index

104191

69
g-index

136
all docs

136
docs citations

136
times ranked

3656
citing authors

#	ARTICLE	IF	CITATIONS
1	Colouration and flavouring of sunflower seeds affect feeding behaviour in urban Carrion crows (<i>Corvus corone</i>): A preliminary study. <i>Applied Animal Behaviour Science</i> , 2022, 251, 105642.	0.8	0
2	Human neonates prefer colostrum to mature milk: Evidence for an olfactory bias toward the "initial milk". <i>American Journal of Human Biology</i> , 2021, 33, e23521.	0.8	10
3	Age differences in olfactory affective responses: evidence for a positivity effect and an emotional dedifferentiation. <i>Aging, Neuropsychology, and Cognition</i> , 2021, 28, 570-583.	0.7	6
4	Newborn crawling and rooting in response to maternal breast odor. <i>Developmental Science</i> , 2021, 24, e13061.	1.3	17
5	Odor-evoked hedonic contexts influence the discrimination of facial expressions in the human brain. <i>Biological Psychology</i> , 2021, 158, 108005.	1.1	5
6	The role of papillary skin glands in guiding mouse pups to the nipple. <i>Developmental Psychobiology</i> , 2021, 63, 226-236.	0.9	1
7	Male mice and cows perceive human emotional chemosignals: a preliminary study. <i>Animal Cognition</i> , 2021, 24, 1205-1214.	0.9	10
8	Odor-driven face-like categorization in the human infant brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
9	Olfaction in the Multisensory Processing of Faces: A Narrative Review of the Influence of Human Body Odors. <i>Frontiers in Psychology</i> , 2021, 12, 750944.	1.1	9
10	Maternal odor shapes rapid face categorization in the infant brain. <i>Developmental Science</i> , 2020, 23, e12877.	1.3	37
11	Does any mother's body odor stimulate interest in mother's face in 4-month-old infants?. <i>Infancy</i> , 2020, 25, 151-164.	0.9	14
12	Categorization of objects and faces in the infant brain and its sensitivity to maternal odor: further evidence for the role of intersensory congruency in perceptual development. <i>Cognitive Development</i> , 2020, 55, 100930.	0.7	14
13	Perinatal exposure to a dietary pesticide cocktail does not increase susceptibility to high-fat diet-induced metabolic perturbations at adulthood but modifies urinary and fecal metabolic fingerprints in C57Bl6/J mice. <i>Environment International</i> , 2020, 144, 106010.	4.8	14
14	Decreasing prevalence of specific anosmia to non-steroid odorants from childhood to adolescence. <i>Physiology and Behavior</i> , 2020, 218, 112833.	1.0	2
15	Olfaction scaffolds the developing human from neonate to adolescent and beyond. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190261.	1.8	57
16	Human olfactory communication: current challenges and future prospects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190258.	1.8	33
17	Chemical fingerprints suggest direct familiarisation rather than phenotype matching during olfactory recognition in Australian sea lions (<i>Neophoca cinerea</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 517, 49-53.	0.7	8
18	Attractive and appetitive odor factors in murine milk: Their fade-out time and differential cryo-preservation. <i>Behavioural Processes</i> , 2019, 167, 103913.	0.5	2

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19	Chemical Profiles of Integumentary and Glandular Substrates in Australian Sea Lion Pups (<i>Neophoca</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.1	5
20	Weanling Infants Prefer the Odors of Green Vegetables, Cheese, and Fish When Their Mothers Consumed These Foods During Pregnancy and/or Lactation. <i>Chemical Senses</i> , 2019, 44, 257-265.	1.1	18
21	The odour of human milk: Its chemical variability and detection by newborns. <i>Physiology and Behavior</i> , 2019, 199, 88-99.	1.0	31
22	Watching happy faces potentiates incentive salience but not hedonic reactions to palatable food cues in overweight/obese adults. <i>Appetite</i> , 2019, 133, 83-92.	1.8	6
23	The Human Mammary Odour Factor: Variability and Regularities in Sources and Functions. , 2019, , 118-138.		3
24	Seeing odors in color: Cross-modal associations in children and adults from two cultural environments. <i>Journal of Experimental Child Psychology</i> , 2018, 166, 380-399.	0.7	12
25	Mimicking emotions: how 3â€“12-month-old infants use the facial expressions and eyes of a model. <i>Cognition and Emotion</i> , 2018, 32, 827-842.	1.2	20
26	Tuning functions for automatic detection of brief changes of facial expression in the human brain. <i>NeuroImage</i> , 2018, 179, 235-251.	2.1	25
27	Maternal odor shapes rapid face categorization in the 4-month-old infant brain. <i>Journal of Vision</i> , 2018, 18, 787.	0.1	2
28	Responses of Human Neonates to Highly Diluted Odorants from Sweat. <i>Journal of Chemical Ecology</i> , 2017, 43, 106-117.	0.9	12
29	Chemosensory anxiety signals prime defensive behavior in prepubertal girls. <i>Physiology and Behavior</i> , 2017, 173, 30-33.	1.0	11
30	Animal Consciousness. <i>EFSA Supporting Publications</i> , 2017, 14, 1196E.	0.3	19
31	Tony DeCasper, the man who changed contemporary views on human fetal cognitive abilities. <i>Developmental Psychobiology</i> , 2017, 59, 135-139.	0.9	3
32	How amniotic fluid shapes early odor-guided responses to colostrum and milk (and more). , 2016, , 23-53.		6
33	Emotional expressiveness of 5â€“6 month-old infants born very premature versus full-term at initial exposure to weaning foods. <i>Appetite</i> , 2016, 107, 494-500.	1.8	10
34	Affective matching of odors and facial expressions in infants: shifting patterns between 3 and 7Âmonths. <i>Developmental Science</i> , 2016, 19, 155-163.	1.3	21
35	Mammary pheromone-induced odour learning influences sucking behaviour and milk intake in the newborn rabbit. <i>Animal Behaviour</i> , 2016, 111, 1-11.	0.8	12
36	The Lasting Influences of Early Food-Related Variety Experience: A Longitudinal Study of Vegetable Acceptance from 5 Months to 6 Years in Two Populations. <i>PLoS ONE</i> , 2016, 11, e0151356.	1.1	84

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37	Revealing perceptual tuning functions to facial expression of various intensities by means of fast periodic visual stimulation. <i>Journal of Vision</i> , 2016, 16, 1386.	0.1	0
38	Contextual odors modulate the visual processing of emotional facial expressions: An ERP study. <i>Neuropsychologia</i> , 2015, 77, 366-379.	0.7	45
39	Emotional communication in the context of joint attention for food stimuli: Effects on attentional and affective processing. <i>Biological Psychology</i> , 2015, 104, 173-183.	1.1	14
40	Newborns prefer the odor of milk and nipples from females matched in lactation age: Comparison of two mouse strains. <i>Physiology and Behavior</i> , 2015, 147, 122-130.	1.0	9
41	Reward for food odors: an fMRI study of liking and wanting as a function of metabolic state and BMI. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 561-568.	1.5	57
42	Visual exploration and discrimination of emotional facial expressions in 3-, 7- and 12-month-old infants. <i>Journal of Vision</i> , 2015, 15, 795.	0.1	4
43	The Odor Context Facilitates the Perception of Low-Intensity Facial Expressions of Emotion. <i>PLoS ONE</i> , 2015, 10, e0138656.	1.1	42
44	When the Nose Must Remain Responsive: Glutathione Conjugation of the Mammary Pheromone in the Newborn Rabbit. <i>Chemical Senses</i> , 2014, 39, 425-437.	1.1	19
45	Chemical signals "selected for" newborns in mammals. <i>Animal Behaviour</i> , 2014, 97, 289-299.	0.8	24
46	Applied olfactory cognition. <i>Frontiers in Psychology</i> , 2014, 5, 873.	1.1	11
47	Responsiveness of Human Neonates to the Odor of 5 α -Androst-16-en-3-one: A Behavioral Paradox?. <i>Chemical Senses</i> , 2014, 39, 693-703.	1.1	24
48	The response of newly born mice to odors of murine colostrum and milk: Unconditionally attractive, conditionally discriminated. <i>Developmental Psychobiology</i> , 2014, 56, 1365-1376.	0.9	11
49	Orientation of newborn mice to lactating females: Identifying biological substrates of semiochemical interest. <i>Developmental Psychobiology</i> , 2013, 55, 113-124.	0.9	17
50	Children's reward responses to picture- and odor-cued food stimuli. A developmental analysis between 6 and 11 years. <i>Appetite</i> , 2013, 67, 88-98.	1.8	10
51	How does a newly born mouse get to the nipple? odor substrates eliciting first nipple grasping and sucking responses. <i>Developmental Psychobiology</i> , 2013, 55, 888-901.	0.9	36
52	Maternal status regulates cortical responses to the body odor of newborns. <i>Frontiers in Psychology</i> , 2013, 4, 597.	1.1	56
53	Rabbit Neonates and Human Adults Perceive a Blending 6-Component Odor Mixture in a Comparable Manner. <i>PLoS ONE</i> , 2013, 8, e53534.	1.1	37
54	Eye-Catching Odors: Olfaction Elicits Sustained Gazing to Faces and Eyes in 4-Month-Old Infants. <i>PLoS ONE</i> , 2013, 8, e70677.	1.1	44

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55	Orofacial reactivity to the sight and smell of food stimuli. Evidence for anticipatory liking related to food reward cues in overweight children. <i>Appetite</i> , 2012, 58, 508-516.	1.8	44
56	Human sweat odour conjugates in human milk, colostrum and amniotic fluid. <i>Food Chemistry</i> , 2012, 135, 228-233.	4.2	8
57	An Odor Timer in Milk? Synchrony in the Odor of Milk Effluvium and Neonatal Chemosensation in the Mouse. <i>PLoS ONE</i> , 2012, 7, e47228.	1.1	12
58	An overlooked aspect of the human breast: Areolar glands in relation with breastfeeding pattern, neonatal weight gain, and the dynamics of lactation. <i>Early Human Development</i> , 2012, 88, 119-128.	0.8	30
59	The role of olfaction in human multisensory development. , 2012, , 29-62.		25
60	Hedonic reactivity to visual and olfactory cues: Rapid facial electromyographic reactions are altered in anorexia nervosa. <i>Biological Psychology</i> , 2011, 86, 265-272.	1.1	52
61	Social olfaction in marine mammals: wild female Australian sea lions can identify their pup's scent. <i>Biology Letters</i> , 2011, 7, 60-62.	1.0	46
62	Experience influences elemental and configural perception of certain binary odour mixtures in newborn rabbits. <i>Journal of Experimental Biology</i> , 2011, 214, 4171-4178.	0.8	28
63	Independence of first- and second-order memories in newborn rabbits. <i>Learning and Memory</i> , 2011, 18, 401-404.	0.5	9
64	Proportion of Odorants Impacts the Configural versus Elemental Perception of a Binary Blending Mixture in Newborn Rabbits. <i>Chemical Senses</i> , 2011, 36, 693-700.	1.1	29
65	A pheromone to behave, a pheromone to learn: the rabbit mammary pheromone. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 779-790.	0.7	41
66	Family Scents: Developmental Changes in the Perception of Kin Body Odor?. <i>Journal of Chemical Ecology</i> , 2010, 36, 847-854.	0.9	48
67	Long-lasting memory for an odor acquired at the mother's breast. <i>Developmental Science</i> , 2010, 13, 849-863.	1.3	95
68	Attitudes toward Everyday Odors for Children with Visual Impairments: A Pilot Study. <i>Journal of Visual Impairment and Blindness</i> , 2010, 104, 55-59.	0.4	19
69	The Nose Tells it to the Eyes: Crossmodal Associations between Olfaction and Vision. <i>Perception</i> , 2010, 39, 1541-1554.	0.5	74
70	Mammary Odor Cues and Pheromones. <i>Vitamins and Hormones</i> , 2010, 83, 83-136.	0.7	48
71	The effect of early experience on odor perception in humans: Psychological and physiological correlates. <i>Behavioural Brain Research</i> , 2010, 208, 458-465.	1.2	41
72	Pleasure for visual and olfactory stimuli evoking energy-dense foods is decreased in anorexia nervosa. <i>Psychiatry Research</i> , 2010, 180, 42-47.	1.7	32

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73	Pheromone-induced olfactory memory in newborn rabbits: Involvement of consolidation and reconsolidation processes. <i>Learning and Memory</i> , 2009, 16, 470-473.	0.5	14
74	Elemental and configural processing of odour mixtures in the newborn rabbit. <i>Journal of Experimental Biology</i> , 2009, 212, 2525-2531.	0.8	30
75	Human Axillary Odor: Are There Side-Related Perceptual Differences?. <i>Chemical Senses</i> , 2009, 34, 565-571.	1.1	30
76	Unconscious odour conditioning 25 years later: Revisiting and extending Kirk-Smith, Van Toller and Dodd. <i>Learning and Motivation</i> , 2009, 40, 364-375.	0.6	28
77	Abdominal odours of young, low-ranking European rabbit mothers are less attractive to pups: an experiment with animals living under natural breeding conditions. <i>Journal of Ethology</i> , 2009, 27, 307-315.	0.4	2
78	Mammary olfactory signalisation in females and odor processing in neonates: Ways evolved by rabbits and humans. <i>Behavioural Brain Research</i> , 2009, 200, 346-358.	1.2	79
79	Alternation between foods within a meal. Influence on satiation and consumption in humans. <i>Appetite</i> , 2009, 53, 203-209.	1.8	23
80	The Secretion of Areolar (Montgomery's) Glands from Lactating Women Elicits Selective, Unconditional Responses in Neonates. <i>PLoS ONE</i> , 2009, 4, e7579.	1.1	109
81	The responsiveness of young rabbits to the mammary pheromone: developmental course in domestic and wild pups. <i>Chemoecology</i> , 2008, 18, 53-59.	0.6	19
82	Children's Awareness and Uses of Odor Cues in Everyday Life: A Finland-France Comparison. <i>Chemosensory Perception</i> , 2008, 1, 190-198.	0.7	36
83	Early development of filial preferences in the rabbit: implications of nursing- and pheromone-induced odour learning?. <i>Animal Behaviour</i> , 2008, 76, 305-314.	0.8	14
84	Odorization of a novel object can influence infant's exploratory behavior in unexpected ways. , 2008, 31, 629-636.		14
85	Breastfeeding and experience with variety early in weaning increase infants' acceptance of new foods for up to two months. <i>Clinical Nutrition</i> , 2008, 27, 849-857.	2.3	177
86	Perception of odor blending mixtures in the newborn rabbit. <i>Physiology and Behavior</i> , 2008, 95, 194-199.	1.0	46
87	Alliesthesia to food cues: Heterogeneity across stimuli and sensory modalities. <i>Physiology and Behavior</i> , 2008, 95, 464-470.	1.0	80
88	Human awareness and uses of odor cues in everyday life: Results from a questionnaire study in children. <i>International Journal of Behavioral Development</i> , 2008, 32, 422-431.	1.3	64
89	Le nouveau-né prématuré: un modèle pour l'étude du développement du comportement alimentaire. <i>Enfance</i> , 2008, Vol. 60, 241-249.	0.1	2
90	Verbal Cues Modulate Hedonic Perception of Odors in 5-Year-Old Children as well as in Adults. <i>Chemical Senses</i> , 2007, 32, 855-862.	1.1	71

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91	Food-related sensory experience from birth through weaning: Contrasted patterns in two nearby European regions. <i>Appetite</i> , 2007, 49, 429-440.	1.8	87
92	Olfactory function in children assessed with psychophysical and electrophysiological techniques. <i>Behavioural Brain Research</i> , 2007, 180, 133-138.	1.2	83
93	Effects of repeated exposure on acceptance of initially disliked vegetables in 7-month old infants. <i>Food Quality and Preference</i> , 2007, 18, 1023-1032.	2.3	152
94	The "œsmellscape" of mother's breast: Effects of odor masking and selective unmasking on neonatal arousal, oral, and visual responses. <i>Developmental Psychobiology</i> , 2007, 49, 129-138.	0.9	74
95	Odour-guided social behaviour in newborn and young cats: an analytical survey. <i>Chemoecology</i> , 2007, 17, 187-199.	0.6	14
96	A putative social chemosignal elicits faster cortical responses than perceptually similar odorants. <i>NeuroImage</i> , 2006, 30, 1340-1346.	2.1	34
97	Salivary testosterone and aggression, delinquency, and social dominance in a population-based longitudinal study of adolescent males. <i>Hormones and Behavior</i> , 2006, 50, 118-125.	1.0	96
98	Rabbit pup response to the mammary pheromone: From automatism to prandial control. <i>Physiology and Behavior</i> , 2006, 89, 742-749.	1.0	44
99	Convergent changes in the maternal emission and pup reception of the rabbit mammary pheromone. <i>Chemoecology</i> , 2006, 16, 169-174.	0.6	25
100	Learning at the breast: Preference formation for an artificial scent and its attraction against the odor of maternal milk. , 2006, 29, 308-321.		81
101	A Pheromone That Rapidly Promotes Learning in the Newborn. <i>Current Biology</i> , 2006, 16, 1956-1961.	1.8	90
102	On the trigeminal percept of androstenone and its implications on the rate of specific anosmia. <i>Journal of Neurobiology</i> , 2006, 66, 1501-1510.	3.7	34
103	Human breast areolae as scent organs: Morphological data and possible involvement in maternal-neonatal coadaptation. <i>Developmental Psychobiology</i> , 2006, 48, 100-110.	0.9	44
104	Olfactory Event-Related Potentials Reflect Individual Differences in Odor Valence Perception. <i>Chemical Senses</i> , 2006, 31, 705-711.	1.1	51
105	Human Newborns Prefer Human Milk: Conspecific Milk Odor Is Attractive Without Postnatal Exposure. <i>Child Development</i> , 2005, 76, 155-168.	1.7	121
106	The mammary pheromone of the rabbit: from where does it come?. <i>Animal Behaviour</i> , 2005, 69, 29-38.	0.8	33
107	Dissociation of emotional processes in response to visual and olfactory stimuli following frontotemporal damage. <i>Neurocase</i> , 2005, 11, 114-128.	0.2	35
108	Aux sources f"tales des r"ponses sensorielles et "motionnelles du nouveau-n". <i>Spirale</i> , 2005, n o 33, 21-40.	0.0	19

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109	Newborn Rabbit Responsiveness to the Mammary Pheromone is Concentration-dependent. <i>Chemical Senses</i> , 2004, 29, 341-350.	1.1	51
110	Olfaction in the fetal and premature infant: functional status and clinical implications. <i>Clinics in Perinatology</i> , 2004, 31, 261-285.	0.8	156
111	A single key-odorant accounts for the pheromonal effect of rabbit milk: Further test of the mammary pheromone's activity against a wide sample of volatiles from milk. <i>Chemoecology</i> , 2003, 13, 187-192.	0.6	25
112	Chemical and behavioural characterization of the rabbit mammary pheromone. <i>Nature</i> , 2003, 424, 68-72.	13.7	325
113	Olfactory Cognition at the Start of Life: The Perinatal Shaping of Selective Odor Responsiveness. , 2002, , 421-440.		11
114	Orientation response of newborn rabbits to odours of lactating females: relative effectiveness of surface and milk cues. <i>Animal Behaviour</i> , 2001, 61, 153-162.	0.8	53
115	Mimicking Natural Nursing Conditions Promotes Early Pup Survival in Domestic Rabbits. <i>Ethology</i> , 2000, 106, 207-225.	0.5	39
116	Neonatal Responsiveness to the Odor of Amniotic and Lactal Fluids: A Test of Perinatal Chemosensory Continuity. <i>Child Development</i> , 1998, 69, 611-623.	1.7	199
117	Rating and Recognition of Peers' Personal Odors by 9-Year-Old Children: An Exploratory Study. <i>Journal of General Psychology</i> , 1998, 125, 47-64.	1.6	32
118	Olfactory function in the human fetus: Evidence from selective neonatal responsiveness to the odor of amniotic fluid.. <i>Behavioral Neuroscience</i> , 1998, 112, 1438-1449.	0.6	245
119	Twin/Non-Twin Discrimination By Lambs: an Investigation of Salient Stimulus Characteristics. <i>Behaviour</i> , 1997, 134, 463-475.	0.4	17
120	Facial and Autonomic Responses to Biological and Artificial Olfactory Stimuli in Human Neonates. <i>Physiology and Behavior</i> , 1997, 62, 745-758.	1.0	210
121	Physically Aggressive Boys from Age 6 to 12 Years Their Biopsychosocial Status at Puberty. <i>Annals of the New York Academy of Sciences</i> , 1996, 794, 192-207.	1.8	6
122	Fetal sensory competencies. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1996, 68, 1-23.	0.5	165
123	Responsiveness to the Odour of Amniotic Fluid in the Human Neonate. <i>Neonatology</i> , 1995, 67, 397-406.	0.9	100
124	Olfactory Preferences in Newborn Lambs: Possible Influence of Prenatal Experience. <i>Behaviour</i> , 1995, 132, 351-365.	0.4	58
125	Facial Responsiveness to Odours in Normal and Pervasively Developmentally Disordered Children. <i>Chemical Senses</i> , 1995, 20, 47-59.	1.1	26
126	â€œMicrosmatic Humansâ€•Revisited: The Generation and Perception of Chemical Signals. <i>Advances in the Study of Behavior</i> , 1991, , 135-199.	1.0	104

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127	Olfaction in infants and children: developmental and functional perspectives. <i>Chemical Senses</i> , 1988, 13, 145-190.	1.1	178