

Benoist Schaal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

4,668
citations

39
h-index

63
g-index

136
ext. papers

5,193
ext. citations

3.5
avg, IF

5.55
L-index

#	Paper	IF	Citations
133	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	2.2	
132	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	2.7	1
131	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	3.4	1
130	Male mice and cows perceive human emotional chemosignals: a preliminary study. <i>Animal Cognition</i> , 2021 , 24, 1205-1214	3.1	1
129	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,	11.5	6
128	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	2.1	3
127	Newborn crawling and rooting in response to maternal breast odor. <i>Developmental Science</i> , 2021 , 24, e13061	4.5	4
126	Odor-evoked hedonic contexts influence the discrimination of facial expressions in the human brain. <i>Biological Psychology</i> , 2021 , 158, 108005	3.2	3
125	The role of papillary skin glands in guiding mouse pups to the nipple. <i>Developmental Psychobiology</i> , 2021 , 63, 226-236	3	1
124	Decreasing prevalence of specific anosmia to non-steroid odorants from childhood to adolescence. <i>Physiology and Behavior</i> , 2020 , 218, 112833	3.5	2
123	Does any mother's body odor stimulate interest in mother's face in 4-month-old infants?. <i>Infancy</i> , 2020 , 25, 151-164	2.4	8
122	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	1.7	7
121	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	12.9	7
120	Maternal odor shapes rapid face categorization in the infant brain. <i>Developmental Science</i> , 2020 , 23, e12877	4.7	20
119	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	5.8	25
118	Human olfactory communication: current challenges and future prospects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190258	5.8	14
117	Chemical Profiles of Integumentary and Glandular Substrates in Australian Sea Lion Pups (<i>Neophoca cinerea</i>). <i>Chemical Senses</i> , 2019 , 44, 205-214	4.8	4

116	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	4.8	11
115	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	2.1	4
114	Attractive and appetitive odor factors in murine milk: Their fade-out time and differential cryo-preservation. <i>Behavioural Processes</i> , 2019 , 167, 103913	1.6	2
113	The Human Mammary Odour Factor: Variability and Regularities in Sources and Functions 2019 , 118-138		2
112	The odour of human milk: Its chemical variability and detection by newborns. <i>Physiology and Behavior</i> , 2019 , 199, 88-99	3.5	15
111	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	4.5	3
110	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	2.3	9
109	Mimicking emotions: how 3-12-month-old infants use the facial expressions and eyes of a model. <i>Cognition and Emotion</i> , 2018 , 32, 827-842	2.3	13
108	Tuning functions for automatic detection of brief changes of facial expression in the human brain. <i>NeuroImage</i> , 2018 , 179, 235-251	7.9	16
107	Responses of Human Neonates to Highly Diluted Odorants from Sweat. <i>Journal of Chemical Ecology</i> , 2017 , 43, 106-117	2.7	10
106	Chemosensory anxiety signals prime defensive behavior in prepubertal girls. <i>Physiology and Behavior</i> , 2017 , 173, 30-33	3.5	6
105	Animal Consciousness. <i>EFSA Supporting Publications</i> , 2017 , 14, 1196E	1.1	12
104	Tony DeCasper, the man who changed contemporary views on human fetal cognitive abilities. <i>Developmental Psychobiology</i> , 2017 , 59, 135-139	3	2
103	Mammary pheromone-induced odour learning influences sucking behaviour and milk intake in the newborn rabbit. <i>Animal Behaviour</i> , 2016 , 111, 1-11	2.8	7
102	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	3.7	56
101	How amniotic fluid shapes early odor-guided responses to colostrum and milk (and more) 2016 , 23-53		4
100	Emotional expressiveness of 5-6 month-old infants born very premature versus full-term at initial exposure to weaning foods. <i>Appetite</i> , 2016 , 107, 494-500	4.5	9
99	Affective matching of odors and facial expressions in infants: shifting patterns between 3 and 7 months. <i>Developmental Science</i> , 2016 , 19, 155-63	4.5	13

98	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, 122-30	3.5	7
97	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, 561-8	4	45
96	Contextual odors modulate the visual processing of emotional facial expressions: An ERP study. <i>Neuropsychologia</i> , 2015 , 77, 366-79	3.2	33
95	Emotional communication in the context of joint attention for food stimuli: effects on attentional and affective processing. <i>Biological Psychology</i> , 2015 , 104, 173-83	3.2	9
94	Visual exploration and discrimination of emotional facial expressions in 3-, 7- and 12-month-old infants. <i>Journal of Vision</i> , 2015 , 15, 795	0.4	3
93	The Odor Context Facilitates the Perception of Low-Intensity Facial Expressions of Emotion. <i>PLoS ONE</i> , 2015 , 10, e0138656	3.7	28
92	The response of newly born mice to odors of murine colostrum and milk: unconditionally attractive, conditionally discriminated. <i>Developmental Psychobiology</i> , 2014 , 56, 1365-76	3	11
91	When the nose must remain responsive: glutathione conjugation of the mammary pheromone in the newborn rabbit. <i>Chemical Senses</i> , 2014 , 39, 425-37	4.8	14
90	Chemical signals selected for newborns in mammals. <i>Animal Behaviour</i> , 2014 , 97, 289-299	2.8	21
89	Applied olfactory cognition. <i>Frontiers in Psychology</i> , 2014 , 5, 873	3.4	9
88	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	4.8	22
87	Orientation of newborn mice to lactating females: identifying biological substrates of semiochemical interest. <i>Developmental Psychobiology</i> , 2013 , 55, 113-24	3	16
86	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	4.5	9
85	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	3	27
84	Maternal status regulates cortical responses to the body odor of newborns. <i>Frontiers in Psychology</i> , 2013 , 4, 597	3.4	44
83	Rabbit neonates and human adults perceive a blending 6-component odor mixture in a comparable manner. <i>PLoS ONE</i> , 2013 , 8, e53534	3.7	27
82	Eye-catching odors: olfaction elicits sustained gazing to faces and eyes in 4-month-old infants. <i>PLoS ONE</i> , 2013 , 8, e70677	3.7	34
81	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, 119-28	2.2	26

80	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, 508-16	4.5	41
79	Human sweat odour conjugates in human milk, colostrum and amniotic fluid. <i>Food Chemistry</i> , 2012 , 135, 228-233	8.5	7
78	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	3.7	12
77	The role of olfaction in human multisensory development 2012 , 29-62		18
76	Hedonic reactivity to visual and olfactory cues: rapid facial electromyographic reactions are altered in anorexia nervosa. <i>Biological Psychology</i> , 2011 , 86, 265-72	3.2	47
75	Social olfaction in marine mammals: wild female Australian sea lions can identify their pup's scent. <i>Biology Letters</i> , 2011 , 7, 60-2	3.6	40
74	Experience influences elemental and configural perception of certain binary odour mixtures in newborn rabbits. <i>Journal of Experimental Biology</i> , 2011 , 214, 4171-8	3	26
73	Independence of first- and second-order memories in newborn rabbits. <i>Learning and Memory</i> , 2011 , 18, 401-4	2.8	8
72	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	4.8	27
71	Long-lasting memory for an odor acquired at the mother's breast. <i>Developmental Science</i> , 2010 , 13, 849-63	4.3	79
70	Attitudes toward Everyday Odors for Children with Visual Impairments: A Pilot Study. <i>Journal of Visual Impairment and Blindness</i> , 2010 , 104, 55-59	0.7	15
69	The nose tells it to the eyes: crossmodal associations between olfaction and vision. <i>Perception</i> , 2010 , 39, 1541-54	1.2	62
68	Mammary odor cues and pheromones: mammalian infant-directed communication about maternal state, mammae, and milk. <i>Vitamins and Hormones</i> , 2010 , 83, 83-136	2.5	44
67	The effect of early experience on odor perception in humans: psychological and physiological correlates. <i>Behavioural Brain Research</i> , 2010 , 208, 458-65	3.4	36
66	Pleasure for visual and olfactory stimuli evoking energy-dense foods is decreased in anorexia nervosa. <i>Psychiatry Research</i> , 2010 , 180, 42-7	9.9	28
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, 779-90	2.3	32
64	Family scents: developmental changes in the perception of kin body odor?. <i>Journal of Chemical Ecology</i> , 2010 , 36, 847-54	2.7	35
63	Pheromone-induced olfactory memory in newborn rabbits: Involvement of consolidation and reconsolidation processes. <i>Learning and Memory</i> , 2009 , 16, 470-3	2.8	13

62	Elemental and configural processing of odour mixtures in the newborn rabbit. <i>Journal of Experimental Biology</i> , 2009 , 212, 2525-31	3	28
61	Human axillary odor: are there side-related perceptual differences?. <i>Chemical Senses</i> , 2009 , 34, 565-71	4.8	25
60	Unconscious odour conditioning 25 years later: Revisiting and extending Kirk-Smith, Van Toller and Dodd. <i>Learning and Motivation</i> , 2009 , 40, 364-375	1.3	20
59	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 ^{1.1}	1.1	2
58	Mammary olfactory signalisation in females and odor processing in neonates: ways evolved by rabbits and humans. <i>Behavioural Brain Research</i> , 2009 , 200, 346-58	3.4	71
57	Alternation between foods within a meal. Influence on satiation and consumption in humans. <i>Appetite</i> , 2009 , 53, 203-9	4.5	20
56	The secretion of areolar (Montgomery's) glands from lactating women elicits selective, unconditional responses in neonates. <i>PLoS ONE</i> , 2009 , 4, e7579	3.7	93
55	Early development of filial preferences in the rabbit: implications of nursing- and pheromone-induced odour learning?. <i>Animal Behaviour</i> , 2008 , 76, 305-314	2.8	11
54	Odorization of a novel object can influence infant's exploratory behavior in unexpected ways. <i>Research in Social and Administrative Pharmacy</i> , 2008 , 31, 629-36	2.9	11
53	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, 849-57	5.9	152
52	Perception of odor blending mixtures in the newborn rabbit. <i>Physiology and Behavior</i> , 2008 , 95, 194-9	3.5	43
51	Alliesthesia to food cues: heterogeneity across stimuli and sensory modalities. <i>Physiology and Behavior</i> , 2008 , 95, 464-70	3.5	68
50	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	2.6	49
49	The responsiveness of young rabbits to the mammary pheromone: developmental course in domestic and wild pups. <i>Chemoecology</i> , 2008 , 18, 53-59	2	17
48	Children's Awareness and Uses of Odor Cues in Everyday Life: A Finland-France Comparison. <i>Chemosensory Perception</i> , 2008 , 1, 190-198	1.2	29
47	L'enfant face aux aliments : d'avant-goûts en préférences en programmations. <i>Enfance</i> , 2008 , 60, 213	0.2	1
46	Emprises maternelles sur les goûts et les dégoûts de l'enfant : mécanismes et paradoxes. <i>Enfance</i> , 2008 , 60, 219	0.2	4
45	Le nouveau-né prématuré : un modèle pour l'étude du développement du comportement alimentaire. <i>Enfance</i> , 2008 , 60, 241	0.2	2

44	The "smellscape" of mother's breast: effects of odor masking and selective unmasking on neonatal arousal, oral, and visual responses. <i>Developmental Psychobiology</i> , 2007 , 49, 129-38	3	63
43	Odour-guided social behaviour in newborn and young cats: an analytical survey. <i>Chemoecology</i> , 2007 , 17, 187-199	2	13
42	Verbal cues modulate hedonic perception of odors in 5-year-old children as well as in adults. <i>Chemical Senses</i> , 2007 , 32, 855-62	4.8	60
41	Food-related sensory experience from birth through weaning: contrasted patterns in two nearby European regions. <i>Appetite</i> , 2007 , 49, 429-40	4.5	78
40	Olfactory function in children assessed with psychophysical and electrophysiological techniques. <i>Behavioural Brain Research</i> , 2007 , 180, 133-8	3.4	72
39	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	5.8	130
38	Convergent changes in the maternal emission and pup reception of the rabbit mammary pheromone. <i>Chemoecology</i> , 2006 , 16, 169-174	2	23
37	Learning at the breast: preference formation for an artificial scent and its attraction against the odor of maternal milk. <i>Research in Social and Administrative Pharmacy</i> , 2006 , 29, 308-21	2.9	70
36	A pheromone that rapidly promotes learning in the newborn. <i>Current Biology</i> , 2006 , 16, 1956-61	6.3	77
35	On the trigeminal percept of androstenone and its implications on the rate of specific anosmia. <i>Journal of Neurobiology</i> , 2006 , 66, 1501-10		31
34	Human breast areolae as scent organs: morphological data and possible involvement in maternal-neonatal coadaptation. <i>Developmental Psychobiology</i> , 2006 , 48, 100-10	3	42
33	Olfactory event-related potentials reflect individual differences in odor valence perception. <i>Chemical Senses</i> , 2006 , 31, 705-11	4.8	43
32	A putative social chemosignal elicits faster cortical responses than perceptually similar odorants. <i>NeuroImage</i> , 2006 , 30, 1340-6	7.9	33
31	Salivary testosterone and aggression, delinquency, and social dominance in a population-based longitudinal study of adolescent males. <i>Hormones and Behavior</i> , 2006 , 50, 118-25	3.7	86
30	Rabbit pup response to the mammary pheromone: from automatism to prandial control. <i>Physiology and Behavior</i> , 2006 , 89, 742-9	3.5	43
29	Dissociation of emotional processes in response to visual and olfactory stimuli following frontotemporal damage. <i>Neurocase</i> , 2005 , 11, 114-28	0.8	33
28	Human newborns prefer human milk: conspecific milk odor is attractive without postnatal exposure. <i>Child Development</i> , 2005 , 76, 155-68	4.9	102
27	The mammary pheromone of the rabbit: from where does it come?. <i>Animal Behaviour</i> , 2005 , 69, 29-38	2.8	29

26	Aux sources fœtales des réponses sensorielles et motivationnelles du nouveau-né. <i>Spirale</i> , 2005 , 33, 21	0.2	12
25	Newborn rabbit responsiveness to the mammary pheromone is concentration-dependent. <i>Chemical Senses</i> , 2004 , 29, 341-50	4.8	47
24	Olfaction in the fetal and premature infant: functional status and clinical implications. <i>Clinics in Perinatology</i> , 2004 , 31, 261-85, vi-vii	2.8	137
23	A single key-odorant accounts for the pheromonal effect of rabbit milk: Further test of the mammary pheromone activity against a wide sample of volatiles from milk. <i>Chemoecology</i> , 2003 , 13, 187-192	2	23
22	Chemical and behavioural characterization of the rabbit mammary pheromone. <i>Nature</i> , 2003 , 424, 68-72	50.4	273
21	Olfactory Cognition at the Start of Life: The Perinatal Shaping of Selective Odor Responsiveness 2002 , 421-440		9
20	Sensory performances in the human foetus : a brief summary of research. <i>Intellectica</i> , 2002 , 34, 29-56	0.1	7
19	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	2.8	48
18	Les systèmes motivationnels chez le nouveau-né humain : invariance et malléabilité des réponses aux odeurs. <i>Enfance</i> , 2001 , 53, 236	0.2	4
17	Mimicking Natural Nursing Conditions Promotes Early Pup Survival in Domestic Rabbits. <i>Ethology</i> , 2000 , 106, 207-225	1.7	31
16	Neonatal Responsiveness to the Odor of Amniotic and Lacteal Fluids: A Test of Perinatal Chemosensory Continuity. <i>Child Development</i> , 1998 , 69, 611-623	4.9	157
15	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	27
14	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	2.1	212
13	Twin/Non-Twin Discrimination By Lambs: an Investigation of Salient Stimulus Characteristics. <i>Behaviour</i> , 1997 , 134, 463-475	1.4	13
12	Facial and autonomic responses to biological and artificial olfactory stimuli in human neonates: re-examining early hedonic discrimination of odors. <i>Physiology and Behavior</i> , 1997 , 62, 745-58	3.5	183
11	L'olfaction : développement de la fonction et fonctions au cours du développement. <i>Enfance</i> , 1997 , 50, 5-20	0.2	3
10	Réponses comportementales aux odeurs chez le nouveau-né prématuré: étude préliminaire. <i>Enfance</i> , 1997 , 50, 33-46	0.2	10
9	Familiarité et discrimination olfactive chez le nouveau-né: influence différentielle du mode d'alimentation ?. <i>Enfance</i> , 1997 , 50, 47-61	0.2	16

8	L'expression des odeurs en français : analyse lexicale et représentation cognitive. <i>Intellectica</i> , 1997 , 24, 51-83	0.1	19
7	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	6.5	4
6	Fetal sensory competencies. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1996 , 68, 1-23	2.4	129
5	Olfactory Preferences in Newborn Lambs: Possible Influence of Prenatal Experience. <i>Behaviour</i> , 1995 , 132, 351-365	1.4	44
4	Facial responsiveness to odours in normal and pervasively developmentally disordered children. <i>Chemical Senses</i> , 1995 , 20, 47-59	4.8	22
3	Responsiveness to the odour of amniotic fluid in the human neonate. <i>Neonatology</i> , 1995 , 67, 397-406	4	79
2	Microsmatic Humans Revisited: The Generation and Perception of Chemical Signals. <i>Advances in the Study of Behavior</i> , 1991 , 135-199	3.4	75
1	Olfaction in infants and children: developmental and functional perspectives. <i>Chemical Senses</i> , 1988 , 13, 145-190	4.8	152