MÃ¡rta GÃ¡csi

List of Publications by Year
in descending order

93 papers	5,054 citations	126907 33 h-index	95266 68 g-index
101 all docs	101 docs citations	101 times ranked	1899 citing authors

#	Article	IF	Citations
1	A Simple Reason for a Big Difference. Current Biology, 2003, 13, 763-766.	3.9	601
2	Attachment to humans: a comparative study on hand-reared wolves and differently socialized dog puppies. Animal Behaviour, 2005, 70, 1367-1375.	1.9	246
3	Comprehension of human pointing gestures in young human-reared wolves (Canis lupus) and dogs (Canis familiaris). Animal Cognition, 2008, 11, 373-387.	1.8	230
4	Dogs respond appropriately to cues of humans' attentional focus. Behavioural Processes, 2004, 66, 161-172.	1.1	220
5	Are readers of our face readers of our minds? Dogs (Canis familiaris) show situation-dependent recognition of human's attention. Animal Cognition, 2004, 7, 144-153.	1.8	216
6	Attachment behavior of adult dogs (Canis familiaris) living at rescue centers: Forming new bonds.. Journal of Comparative Psychology (Washington, D C: 1983), 2001, 115, 423-431.	0.5	198
7	Voice-Sensitive Regions in the Dog and Human Brain Are Revealed by Comparative fMRI. Current Biology, 2014, 24, 574-578.	3.9	186
8	Explaining Dog Wolf Differences in Utilizing Human Pointing Gestures: Selection for Synergistic Shifts in the Development of Some Social Skills. PLoS ONE, 2009, 4, e6584.	2.5	172
9	Species-specific differences and similarities in the behavior of hand-raised dog and wolf pups in social situations with humans. Developmental Psychobiology, 2005, 47, 111-122.	1.6	161
10	Effects of selection for cooperation and attention in dogs. Behavioral and Brain Functions, 2009, 5, 31.	3.3	148
11	Neural mechanisms for lexical processing in dogs. Science, 2016, 353, 1030-1032.	12.6	144
12	Human Analogue Safe Haven Effect of the Owner: Behavioural and Heart Rate Response to Stressful Social Stimuli in Dogs. PLoS ONE, 2013, 8, e58475.	2.5	143
13	Chapter 3 The Dog as a Model for Understanding Human Social Behavior. Advances in the Study of Behavior, 2009, 39, 71-116.	1.6	141
14	A friend or an enemy? Dogs' reaction to an unfamiliar person showing behavioural cues of threat and friendliness at different times. Applied Animal Behaviour Science, 2005, 94, 99-115.	1.9	139
15	Comprehension of human pointing gestures in horses (Equus caballus). Animal Cognition, 2008, 11, 457-466.	1.8	115
16	Distinguishing logic from association in the solution of an invisible displacement task by children (Homo sapiens) and dogs (Canis familiaris): Using negation of disjunction.. Journal of Comparative Psychology (Washington, D C: 1983), 2001, 115, 219-226.	0.5	114
17	The effect of development and individual differences in pointing comprehension of dogs. Animal Cognition, 2009, 12, 471-479.	1.8	102
18	Canis familiaris As a Model for Non-Invasive Comparative Neuroscience. Trends in Neurosciences, 2017, 40, 438-452.	8.6	75

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19	Oxytocin induces positive expectations about ambivalent stimuli (cognitive bias) in dogs. Hormones and Behavior, 2015, 69, 1-7.	2.1	74
20	On the Utilization of Social Animals as a Model for Social Robotics. Frontiers in Psychology, 2012, 3, 75.	2.1	71
21	Development of a non-invasive polysomnography technique for dogs (Canis familiaris). Physiology and Behavior, 2014, 130, 149-156.	2.1	71
22	Social behaviour of dogs encountering AIBO, an animal-like robot in a neutral and in a feeding situation. Behavioural Processes, 2004, 65, 231-239.	1.1	68
23	A Test of Canine Olfactory Capacity: Comparing Various Dog Breeds and Wolves in a Natural Detection Task. PLoS ONE, 2016, 11, e0154087.	2.5	67
24	Humans rely on the same rules to assess emotional valence and intensity in conspecific and dog vocalizations. Biology Letters, 2014, 10, 20130926.	2.3	66
25	Comprehension and utilisation of pointing gestures and gazing in dogâ€"human communication in relatively complex situations. Animal Cognition, 2012, 15, 201-213.	1.8	59
26	The effect of oxytocin on biological motion perception in dogs (Canis familiaris). Animal Cognition, 2016, 19, 513-522.	1.8	53
27	Preliminary analysis of an adjective-based dog personality questionnaire developed to measure some aspects of personality in the domestic dog (Canis familiaris). Applied Animal Behaviour Science, 2012, 138, 88-98.	1.9	51
28	Should we love robots? â€" The most liked qualities of companion dogs and how they can be implemented in social robots. Computers in Human Behavior, 2018, 80, 132-142.	8.5	50
29	Ethorobotics: A New Approach to Human-Robot Relationship. Frontiers in Psychology, 2017, 8, 958.	2.1	43
30	The effect of the ownerâ€™s personality on the behaviour of owner-dog dyads. Interaction Studies, 2012, 13, 373-385.	0.6	42
31	Behavioral assessment and owner perceptions of behaviors associated with guilt in dogs. Applied Animal Behaviour Science, 2012, 139, 134-142.	1.9	41
32	Wolves do not join the dance: Sophisticated aggression control by adjusting to human social signals in dogs. Applied Animal Behaviour Science, 2013, 145, 109-122.	1.9	41
33	The interrelated effect of sleep and learning in dogs (Canis familiaris); an EEG and behavioural study. Scientific Reports, 2017, 7, 41873.	3.3	41
34	Humans attribute emotions to a robot that shows simple behavioural patterns borrowed from dog behaviour. Computers in Human Behavior, 2016, 59, 411-419.	8.5	35
35	Sleep in the dog: comparative, behavioral and translational relevance. Current Opinion in Behavioral Sciences, 2020, 33, 25-33.	3.9	34
36	Friend or foe: Context dependent sensitivity to human behaviour in dogs. Applied Animal Behaviour Science, 2010, 128, 69-77.	1.9	33

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37	Emotion Attribution to a Non-Humanoid Robot in Different Social Situations. PLoS ONE, 2014, 9, e114207.	2.5	33
38	Test sensitivity is important for detecting variability in pointing comprehension in canines. Animal Cognition, 2013, 16, 721-735.	1.8	32
39	Differences in pre-sleep activity and sleep location are associated with variability in daytime/nighttime sleep electrophysiology in the domestic dog. Scientific Reports, 2018, 8, 7109.	3.3	31
40	Strategies Used by Pet Dogs for Solving Olfaction-Based Problems at Various Distances. PLoS ONE, 2015, 10, e0131610.	2.5	30
41	Video prototyping of dog-inspired non-verbal affective communication for an appearance constrained robot. , 2010, , .		28
42	Does the A-not-B error in adult pet dogs indicate sensitivity to human communication?. Animal Cognition, 2012, 15, 737-743.	1.8	28
43	Playing styles and possible causative factors in dogs' behaviour when playing with humans. Applied Animal Behaviour Science, 2008, 114, 473-484.	1.9	27
44	Comparative Brain Imaging Reveals Analogous and Divergent Patterns of Species and Face Sensitivity in Humans and Dogs. Journal of Neuroscience, 2020, 40, 8396-8408.	3.6	25
45	Ethologically inspired robot behavior implementation. , 2011, , .		23
46	Dog-Owner Attachment Is Associated With Oxytocin Receptor Gene Polymorphisms in Both Parties. A Comparative Study on Austrian and Hungarian Border Collies. Frontiers in Psychology, 2018, 9, 435.	2.1	23
47	Interpolation based Fuzzy Automaton for Human-Robot Interaction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 317-322.	0.4	22
48	Assistance dogs provide a useful behavioral model to enrich communicative skills of assistance robots. Frontiers in Psychology, 2013, 4, 971.	2.1	21
49	Differences in greeting behaviour towards humans with varying levels of familiarity in hand-reared wolves (*Canis lupus*). Royal Society Open Science, 2017, 4, 160956.	2.4	21
50	A quick assessment tool for human‐directed aggression in pet dogs. Aggressive Behavior, 2014, 40, 178-188.	2.4	20
51	Timing and presence of an attachment person affect sensitivity of aggression tests in shelter dogs. Veterinary Record, 2014, 174, 196-196.	0.3	18
52	Potential Physiological Parameters to Indicate Inner States in Dogs: The Analysis of ECG, and Respiratory Signal During Different Sleep Phases. Frontiers in Behavioral Neuroscience, 2019, 13, 207.	2.0	18
53	Obeying Social Rules: A Comparative Study on Dogs and Humans. Journal of Evolutionary Psychology, 2005, 3, 223-243.	0.3	17
54	On the Face of It: No Differential Sensitivity to Internal Facial Features in the Dog Brain. Frontiers in Behavioral Neuroscience, 2020, 14, 25.	2.0	17

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55	Repeated afternoon sleep recordings indicate firstâ€nightâ€effectâ€like adaptation process in family dogs. Journal of Sleep Research, 2020, 29, e12998.	3.2	15
56	Resting-state fMRI data of awake dogs (Canis familiaris) via group-level independent component analysis reveal multiple, spatially distributed resting-state networks. Scientific Reports, 2019, 9, 15270.	3.3	14
57	Multilevel fMRI adaptation for spoken word processing in the awake dog brain. Scientific Reports, 2020, 10, 11968.	3.3	14
58	Object permanence in adult common marmosets (Callithrix jacchus): not everything is an â€œA-not-Bâ€ error that seems to be one. Animal Cognition, 2012, 15, 97-105.	1.8	12
59	Social behaviours in dog-owner interactions can serve as a model for designing social robots. Interaction Studies, 2014, 15, 143-172.	0.6	12
60	Assistance and Therapy Dogs Are Better Problem Solvers Than Both Trained and Untrained Family Dogs. Frontiers in Veterinary Science, 2020, 7, 164.	2.2	12
61	Repetition enhancement to voice identities in the dog brain. Scientific Reports, 2020, 10, 3989.	3.3	12
62	The relationship between functional breed selection and attachment pattern in family dogs (canis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	12
63	Associations among behavioral inhibition and owner-rated attention, hyperactivity/impulsivity, and personality in the domestic dog (Canis familiaris).. Journal of Comparative Psychology (Washington, D) Tj ETQq1 1 0.784314 rgBT /Ov		12
64	Ethologically inspired human-robot interaction interfaces. , 2012, , .		11
65	Comparing the tractability of young hand-raised wolves (Canis lupus) and dogs (Canis familiaris). Scientific Reports, 2020, 10, 14678.	3.3	11
66	Fuzzy automaton based Human-Robot Interaction. , 2010, , .		10
67	Dogs can sense weak thermal radiation. Scientific Reports, 2020, 10, 3736.	3.3	10
68	Social relationship-dependent neural response to speech in dogs. NeuroImage, 2021, 243, 118480.	4.2	10
69	Does the owner provide a secure base? Behavioral and heart rate response to a threatening stranger and to separation in dogs. Journal of Veterinary Behavior: Clinical Applications and Research, 2009, 4, 90-91.	1.2	9
70	Artificial sounds following biological rules: A novel approach for non-verbal communication in HRI. Scientific Reports, 2020, 10, 7080.	3.3	9
71	Movement and vocal intonation together evoke social referencing in companion dogs when confronted with a suspicious stranger. Animal Cognition, 2020, 23, 913-924.	1.8	9
72	Biologically Inspired Emotional Expressions for Artificial Agents. Frontiers in Psychology, 2018, 9, 1191.	2.1	8

#	ARTICLE	IF	CITATIONS
73	Interhemispheric asymmetry during NREM sleep in the dog. Scientific Reports, 2021, 11, 18817.	3.3	8
74	Averaging sleep spindle occurrence in dogs predicts learning performance better than single measures. Scientific Reports, 2020, 10, 22461.	3.3	8
75	An emotional engine model inspired by human-dog interaction. , 2010, , .		7
76	Exploratory behavior in ethologically inspired robot behavioral model. , 2012, , .		7
77	Differences in dogs€™ event-related potentials in response to human and dog vocal stimuli; a non-invasive study. Royal Society Open Science, 2022, 9, 211769.	2.4	7
78	Conditioned placebo effect in dogs decreases separation related behaviours. Applied Animal Behaviour Science, 2014, 159, 90-98.	1.9	6
79	Building a human-dog interaction inspired emotional engine model. , 2012, , .		5
80	Individual Differences in Response to Ambiguous Stimuli in a Modified Go/No-Go Paradigm are Associated with Personality in Family Dogs. Scientific Reports, 2019, 9, 11067.	3.3	5
81	Developmental features of sleep electrophysiology in family dogs. Scientific Reports, 2021, 11, 22760.	3.3	5
82	Impression evaluation for different behavioral characteristics in ethologically inspired human-robot communication. , 2012, , .		4
83	Towards the automatic observation and evaluation of ethologically inspired Human-Robot Interaction. , 2021, , .		4
84	Attachment towards the Owner Is Associated with Spontaneous Sleep EEG Parameters in Family Dogs. Animals, 2022, 12, 895.	2.3	4
85	Chasing perception in domestic cats and dogs. Animal Cognition, 2022, 25, 1589-1597.	1.8	4
86	Evaluating ADHD Assessment for Dogs: A Replication Study. Animals, 2022, 12, 807.	2.3	3
87	Longitudinal Volumetric Assessment of Ventricular Enlargement in Pet Dogs Trained for Functional Magnetic Resonance Imaging (fMRI) Studies. Veterinary Sciences, 2020, 7, 127.	1.7	2
88	Why is a dog-behaviour-inspired social robot not a doggy-robot?. Interaction Studies, 2014, 15, 224-232.	0.6	1
89	Design of legible autonomous leading behavior based on dogs' approach. , 2015, , .		1
90	What Could Assistance Robots Learn from Assistance Dogs?. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 105-119.	0.3	1

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91	Non-invasive sleep EEG measurement in hand raised wolves. Scientific Reports, 2022, 12, .	3.3	1
92	Towards the automatic observation and coding of simple behaviours in ethological experiments. , 2021, , .		0
93	Go/No-Go Procedure. , 2022, , 2975-2980.		0