Lucia Regolin

List of Publications by Year
in descending order

108 papers	5,762 citations	71102 41 h-index	85541 71 g-index
114 all docs	114 docs citations	114 times ranked	2506 citing authors

#	Article	IF	Citations
1	Pitchâ€“Luminance Crossmodal Correspondence in the Baby Chick: An Investigation on Predisposed and Learned Processes. Vision (Switzerland), 2022, 6, 24.	1.2	4
2	Infants' preferences for approachers over repulsers shift between 4 and 8 months of age. Aggressive Behavior, 2022, 48, 487-499.	2.4	8
3	Are prime numbers special? Insights from the life sciences. Biology Direct, 2022, 17, .	4.6	2
4	A sense of number in invertebrates. Biochemical and Biophysical Research Communications, 2021, 564, 37-42.	2.1	38
5	A leftward bias negatively correlated with performance is selectively displayed by domestic chicks during rule reversal (not acquisition). Laterality, 2021, 26, 1-18.	1.0	8
6	Response of male and female domestic chicks to change in the number (quantity) of imprinting objects. Learning and Behavior, 2021, 49, 54-66.	1.0	8
7	Lateralized Declarative-Like Memory for Conditional Spatial Information in Domestic Chicks (Gallus) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	2
8	Rethinking cognition: From animal to minimal. Biochemical and Biophysical Research Communications, 2021, 564, 1-3.	2.1	2
9	Young chicks rely on symmetry/asymmetry in perceptual grouping to discriminate sets of elements. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211570.	2.6	3
10	Approach direction and accuracy, but not response times, show spatial-numerical association in chicks. PLoS ONE, 2021, 16, e0257764.	2.5	2
11	Numerical Abilities in Nonhumans: The Perspective of Comparative Studies. , 2021, , 1-33.		0
12	Low-rank Gallus gallus domesticus chicks are better at transitive inference reasoning. Communications Biology, 2021, 4, 1344.	4.4	6
13	Individually distinctive features facilitate numerical discrimination of sets of objects in domestic chicks. Scientific Reports, 2020, 10, 16408.	3.3	8
14	Statistical learning in domestic chicks is modulated by strain and sex. Scientific Reports, 2020, 10, 15140.	3.3	11
15	Multi-modal cue integration in the black garden ant. Animal Cognition, 2020, 23, 1119-1127.	1.8	18
16	Hemispheric specialization in spatial versus ordinal processing in the dayâ€old domestic chick (Gallus gallus). Annals of the New York Academy of Sciences, 2020, 1477, 34-43.	3.8	10
17	Numerical magnitude, rather than individual bias, explains spatial numerical association in newborn chicks. ELife, 2020, 9, .	6.0	20
18	A mental number line in human newborns. Developmental Science, 2019, 22, e12801.	2.4	67

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19	Use of numerical and spatial information in ordinal counting by zebrafish. Scientific Reports, 2019, 9, 18323.	3.3	25
20	The effect of clustering on perceived quantity in humans (Homo sapiens) and in chicks (Gallus gallus).. Journal of Comparative Psychology (Washington, D C: 1983), 2018, 132, 280-293.	0.5	17
21	A strategy to improve arithmetical performance in four day-old domestic chicks (Gallus gallus). Scientific Reports, 2017, 7, 13900.	3.3	13
22	Experimental Evidence From Newborn Chicks Enriches Our Knowledge on Human Spatialâ€“Numerical Associations. Cognitive Science, 2017, 41, 2275-2279.	1.7	4
23	Response: â€œNewborn chicks need no number tricks. Commentary: Number-space mapping in the newborn chick resembles humans' mental number lineâ€. Frontiers in Human Neuroscience, 2016, 10, 31.	2.0	10
24	Piece of Evidence. Commentary: Ancestral Mental Number Lines: What Is the Evidence?. Frontiers in Psychology, 2016, 7, 553.	2.1	5
25	Unsupervised statistical learning in newly hatched chicks. Current Biology, 2016, 26, R1218-R1220.	3.9	28
26	Ratio abstraction over discrete magnitudes by newly hatched domestic chicks (Gallus gallus). Scientific Reports, 2016, 6, 30114.	3.3	23
27	Spontaneous preference for visual cues of animacy in naÃ¯ve domestic chicks: The case of speed changes. Cognition, 2016, 157, 49-60.	2.2	67
28	Generalization of visual regularities in newly hatched chicks (Gallus gallus). Animal Cognition, 2016, 19, 1007-1017.	1.8	12
29	Mapping number to space in the two hemispheres of the avian brain. Neurobiology of Learning and Memory, 2016, 133, 13-18.	1.9	23
30	Response to Comments on â€œNumber-space mapping in the newborn chick resembles humansâ€™ mental number lineâ€. Science, 2015, 348, 1438-1438.	12.6	15
31	The use of proportion by young domestic chicks (Gallus gallus). Animal Cognition, 2015, 18, 605-616.	1.8	17
32	Number-space mapping in the newborn chick resembles humansâ€™ mental number line. Science, 2015, 347, 534-536.	12.6	289
33	Brain asymmetry modulates perception of biological motion in newborn chicks (Gallus gallus). Behavioural Brain Research, 2015, 290, 1-7.	2.2	31
34	Numerical discrimination by frogs (Bombina orientalis). Animal Cognition, 2015, 18, 219-229.	1.8	132
35	At the root of the leftâ€“right asymmetries in spatialâ€“numerical processing: From domestic chicks to human subjects. Journal of Cognitive Psychology, 2015, 27, 388-399.	0.9	17
36	Lateralized mechanisms for encoding of object. Behavioral evidence from an animal model: the domestic chick (Gallus gallus). Frontiers in Psychology, 2014, 5, 150.	2.1	24

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37	Use of kind information for object individuation in young domestic chicks. Animal Cognition, 2014, 17, 925-935.	1.8	14
38	The first time ever I saw your feet: Inversion effect in newbornsâ€™ sensitivity to biological motion.. Developmental Psychology, 2014, 50, 986-993.	1.6	47
39	From small to large: Numerical discrimination by young domestic chicks (Gallus gallus).. Journal of Comparative Psychology (Washington, D C: 1983), 2014, 128, 163-171.	0.5	50
40	â€œFrom small to large: Numerical discrimination by young domestic chicks (Gallus gallus)â€• Correction to Rugani, Vallortigara, and Regolin (2013).. Journal of Comparative Psychology (Washington, D C:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		1
41	Novelty preference in face perception by week-old lambs (Ovis aries). Interaction Studies, 2014, 15, 113-128.	0.6	2
42	One, two, three, four, or is there something more? Numerical discrimination in day-old domestic chicks. Animal Cognition, 2013, 16, 557-564.	1.8	77
43	Spatial reversal learning is impaired by age in pet dogs. Age, 2013, 35, 2273-2282.	3.0	42
44	Perception of the Ebbinghaus illusion in four-day-old domestic chicks (Gallus gallus). Animal Cognition, 2013, 16, 895-906.	1.8	59
45	The cradle of causal reasoning: newbornsâ€™ preference for physical causality. Developmental Science, 2013, 16, 327-335.	2.4	49
46	Numerical Abstraction in Young Domestic Chicks (Gallus gallus). PLoS ONE, 2013, 8, e65262.	2.5	50
47	Advantages of a Lateralised Brain for Reasoning About the Social World in Chicks. , 2013, , 39-54.		3
48	Lateralised Social Learning in Chicks. , 2013, , 71-86.		1
49	Symmetry perception by poultry chicks and its implications for three-dimensional object recognition. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 841-846.	2.6	15
50	Inversion of contrast polarity abolishes spontaneous preferences for face-like stimuli in newborn chicks. Behavioural Brain Research, 2012, 228, 133-143.	2.2	43
51	Structural Imbalance Promotes Behavior Analogous to Aesthetic Preference in Domestic Chicks. PLoS ONE, 2012, 7, e43029.	2.5	1
52	Asymmetrical number-space mapping in the avian brain. Neurobiology of Learning and Memory, 2011, 95, 231-238.	1.9	55
53	Summation of Large Numerousness by Newborn Chicks. Frontiers in Psychology, 2011, 2, 179.	2.1	53
54	The Evolution of Social Orienting: Evidence from Chicks (Gallus gallus) and Human Newborns. PLoS ONE, 2011, 6, e18802.	2.5	124

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55	Social cognition and learning mechanisms. Interaction Studies, 2011, 12, 208-232.	0.6	3
56	Biological motion preference in humans at birth: role of dynamic and configural properties. Developmental Science, 2011, 14, 353-359.	2.4	147
57	Object individuation in 3-day-old chicks: use of property and spatiotemporal information. Developmental Science, 2011, 14, 1235-1244.	2.4	33
58	Animal visual perception. Wiley Interdisciplinary Reviews: Cognitive Science, 2011, 2, 106-116.	2.8	10
59	Spontaneous discrimination of possible and impossible objects by newly hatched chicks. Biology Letters, 2011, 7, 654-657.	2.3	24
60	Faces are special for newly hatched chicks: evidence for inborn domainâ€specific mechanisms underlying spontaneous preferences for faceâ€like stimuli. Developmental Science, 2010, 13, 565-577.	2.4	131
61	Selective attention to humans in companion dogs, Canis familiaris. Animal Behaviour, 2010, 80, 1057-1063.	1.9	63
62	Animal cognition. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 882-893.	2.8	40
63	Imprinted numbers: newborn chicksâ€™ sensitivity to number vs. continuous extent of objects they have been reared with. Developmental Science, 2010, 13, 790-797.	2.4	69
64	Is it only humans that count from left to right?. Biology Letters, 2010, 6, 290-292.	2.3	126
65	Logic in an asymmetrical (social) brain: Transitive inference in the young domestic chick. Social Neuroscience, 2010, 5, 309-319.	1.3	51
66	Innate sensitivity for self-propelled causal agency in newly hatched chicks. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4483-4485.	7.1	153
67	Time-dependent lateralization of social learning in the domestic chick (Gallus gallus domesticus): Effects of retention delays in the observed lateralization pattern. Behavioural Brain Research, 2010, 212, 152-158.	2.2	11
68	Lateralization of social cognition in the domestic chicken (Gallus gallus). Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 965-981.	4.0	72
69	Arithmetic in newborn chicks. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2451-2460.	2.6	169
70	Lateralization of social learning in the domestic chick, Gallus gallus domesticus: learning to avoid. Animal Behaviour, 2009, 78, 847-856.	1.9	40
71	Momâ€™s shadow: structure-from-motion in newly hatched chicks as revealed by an imprinting procedure. Animal Cognition, 2009, 12, 389-400.	1.8	10
72	Chicks prefer to peck at insect-like elongated stimuli moving in a direction orthogonal to their longer axis. Animal Cognition, 2009, 12, 755-765.	1.8	15

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73	Spatial reorientation in rats (Rattus norvegicus): Use of geometric and featural information as a function of arena size and feature location. Behavioural Brain Research, 2009, 201, 285-291.	2.2	14
74	A predisposition for biological motion in the newborn baby. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 809-813.	7.1	629
75	Discrimination of small numerosities in young chicks.. Journal of Experimental Psychology, 2008, 34, 388-399.	1.7	127
76	Preference for symmetry is experience dependent in newborn chicks (Gallus gallus).. Journal of Experimental Psychology, 2007, 33, 12-20.	1.7	12
77	Rudimental numerical competence in 5-day-old domestic chicks (Gallus gallus): Identification of ordinal position.. Journal of Experimental Psychology, 2007, 33, 21-31.	1.7	84
78	Chicks discriminate human gaze with their right hemisphere. Behavioural Brain Research, 2007, 177, 15-21.	2.2	40
79	Perception of the stereokinetic illusion by the common marmoset (Callithrix jacchus). Animal Cognition, 2007, 10, 135-140.	1.8	7
80	Spatial reorientation: the effects of space size on the encoding of landmark and geometry information. Animal Cognition, 2007, 10, 159-168.	1.8	57
81	The Case of the Line-Bisection: When Both Humans and Chickens Wander Left. Cortex, 2006, 42, 101-103.	2.4	42
82	Lateralized righting behavior in the tortoise (Testudo hermanni). Behavioural Brain Research, 2006, 173, 315-319.	2.2	42
83	Domestic Chicks Perceive Stereokinetic Illusions. Perception, 2006, 35, 983-992.	1.2	16
84	Gravity bias in the interpretation of biological motion by inexperienced chicks. Current Biology, 2006, 16, R279-R280.	3.9	151
85	The Case of the Line-Bisection: When Both Humans and Chickens Wander Left. , 2006, 42, 101-101.		1
86	EMERGENCE OF GRAMMAR AS REVEALED BY VISUAL IMPRINTING IN NEWLY-HATCHED CHICKS. , 2006, , .		11
87	A left-sided visuospatial bias in birds. Current Biology, 2005, 15, R372-R373.	3.9	135
88	Delayed search for social and nonsocial goals by young domestic chicks, Gallus gallus domesticus. Animal Behaviour, 2005, 70, 855-864.	1.9	53
89	Visual lateralisation, form preferences, and secondary imprinting in the domestic chick. Laterality, 2005, 10, 487-502.	1.0	1
90	Working memory in the chick: parallel and lateralized mechanisms for encoding of object- and position-specific information. Behavioural Brain Research, 2005, 157, 1-9.	2.2	52

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91	Effects of light stimulation of embryos on the use of position-specific and object-specific cues in binocular and monocular domestic chicks (Gallus gallus). Behavioural Brain Research, 2005, 163, 10-17.	2.2	45
92	Visually Inexperienced Chicks Exhibit Spontaneous Preference for Biological Motion Patterns. PLoS Biology, 2005, 3, e208.	5.6	283
93	Hemispheric differences in the recognition of partly occluded objects by newly hatched domestic chicks (Gallus gallus). Animal Cognition, 2004, 7, 162-70.	1.8	45
94	Facing an obstacle: Lateralization of object and spatial cognition. , 2002, , 383-444.		18
95	Visual perception of biological motion in newly hatched chicks as revealed by an imprinting procedure. Animal Cognition, 2000, 3, 53-60.	1.8	101
96	Long-term memory for a spatial task in young chicks. Animal Behaviour, 1999, 57, 1185-1191.	1.9	18
97	Detour behaviour, imprinting and visual lateralization in the domestic chick. Cognitive Brain Research, 1999, 7, 307-320.	3.0	92
98	Delayed search for a concealed imprinted object in the domestic chick. Animal Cognition, 1998, 1, 17-24.	1.8	75
99	Sharply Timed Behavioral Changes During the First 5 Weeks of Life in the Domestic Chick <i>(Gallus) Tj ETQq1 1 0.784314 rgBT /Over	0.2	22
100	Lateral asymmetries during responses to novel-coloured objects in the domestic chick: A developmental study. Behavioural Processes, 1996, 37, 67-74.	1.1	28
101	Lateral asymmetries due to preferences in eye use during visual discrimination learning in chicks. Behavioural Brain Research, 1996, 74, 135-143.	2.2	133
102	Perception of partly occluded objects by young chicks. Perception & Psychophysics, 1995, 57, 971-976.	2.3	158
103	Detour behaviour in the domestic chick: searching for a disappearing prey or a disappearing social partner. Animal Behaviour, 1995, 50, 203-211.	1.9	84
104	Object and spatial representations in detour problems by chicks. Animal Behaviour, 1995, 49, 195-199.	1.9	129
105	Perceptual and motivational aspects of detour behaviour in young chicks. Animal Behaviour, 1994, 47, 123-131.	1.9	81
106	The development of responses to novel-coloured objects in male and female domestic chicks. Behavioural Processes, 1994, 31, 219-229.	1.1	11
107	Rudiments of mind: Insights through the chick model on number and space cognition in animals.. Comparative Cognition and Behavior Reviews, 0, 5, 78-99.	2.0	44
108	Cerebral and Behavioural Asymmetries in Animal Social Recognition. Comparative Cognition and Behavior Reviews, 0, 7, 110-138.	2.0	93