

Lucia Regolin

List of Publications by Year in descending order

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Version: 2024-02-01

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	A predisposition for biological motion in the newborn baby. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 809-813.	7.1	629
2	Number-space mapping in the newborn chick resembles humans' mental number line. <i>Science</i> , 2015, 347, 534-536.	12.6	289
3	Visually Inexperienced Chicks Exhibit Spontaneous Preference for Biological Motion Patterns. <i>PLoS Biology</i> , 2005, 3, e208.	5.6	283
4	Arithmetic in newborn chicks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2451-2460.	2.6	169
5	Perception of partly occluded objects by young chicks. <i>Perception & Psychophysics</i> , 1995, 57, 971-976.	2.3	158
6	Innate sensitivity for self-propelled causal agency in newly hatched chicks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4483-4485.	7.1	153
7	Gravity bias in the interpretation of biological motion by inexperienced chicks. <i>Current Biology</i> , 2006, 16, R279-R280.	3.9	151
8	Biological motion preference in humans at birth: role of dynamic and configural properties. <i>Developmental Science</i> , 2011, 14, 353-359.	2.4	147
9	A left-sided visuospatial bias in birds. <i>Current Biology</i> , 2005, 15, R372-R373.	3.9	135
10	Lateral asymmetries due to preferences in eye use during visual discrimination learning in chicks. <i>Behavioural Brain Research</i> , 1996, 74, 135-143.	2.2	133
11	Numerical discrimination by frogs (<i>Bombina orientalis</i>). <i>Animal Cognition</i> , 2015, 18, 219-229.	1.8	132
12	Faces are special for newly hatched chicks: evidence for inborn domain-specific mechanisms underlying spontaneous preferences for face-like stimuli. <i>Developmental Science</i> , 2010, 13, 565-577.	2.4	131
13	Object and spatial representations in detour problems by chicks. <i>Animal Behaviour</i> , 1995, 49, 195-199.	1.9	129
14	Discrimination of small numerosities in young chicks. <i>Journal of Experimental Psychology</i> , 2008, 34, 388-399.	1.7	127
15	Is it only humans that count from left to right?. <i>Biology Letters</i> , 2010, 6, 290-292.	2.3	126
16	The Evolution of Social Orienting: Evidence from Chicks (<i>Gallus gallus</i>) and Human Newborns. <i>PLoS ONE</i> , 2011, 6, e18802.	2.5	124
17	Visual perception of biological motion in newly hatched chicks as revealed by an imprinting procedure. <i>Animal Cognition</i> , 2000, 3, 53-60.	1.8	101
18	Cerebral and Behavioural Asymmetries in Animal Social Recognition. <i>Comparative Cognition and Behavior Reviews</i> , 0, 7, 110-138.	2.0	93

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19	Detour behaviour, imprinting and visual lateralization in the domestic chick. <i>Cognitive Brain Research</i> , 1999, 7, 307-320.	3.0	92
20	Detour behaviour in the domestic chick: searching for a disappearing prey or a disappearing social partner. <i>Animal Behaviour</i> , 1995, 50, 203-211.	1.9	84
21	Rudimental numerical competence in 5-day-old domestic chicks (<i>Gallus gallus</i>): Identification of ordinal position.. <i>Journal of Experimental Psychology</i> , 2007, 33, 21-31.	1.7	84
22	Perceptual and motivational aspects of detour behaviour in young chicks. <i>Animal Behaviour</i> , 1994, 47, 123-131.	1.9	81
23	One, two, three, four, or is there something more? Numerical discrimination in day-old domestic chicks. <i>Animal Cognition</i> , 2013, 16, 557-564.	1.8	77
24	Delayed search for a concealed imprinted object in the domestic chick. <i>Animal Cognition</i> , 1998, 1, 17-24.	1.8	75
25	Lateralization of social cognition in the domestic chicken (<i>Gallus gallus</i>). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 965-981.	4.0	72
26	Imprinted numbers: newborn chicks' sensitivity to number vs. continuous extent of objects they have been reared with. <i>Developmental Science</i> , 2010, 13, 790-797.	2.4	69
27	Spontaneous preference for visual cues of animacy in naïve domestic chicks: The case of speed changes. <i>Cognition</i> , 2016, 157, 49-60.	2.2	67
28	A mental number line in human newborns. <i>Developmental Science</i> , 2019, 22, e12801.	2.4	67
29	Selective attention to humans in companion dogs, <i>Canis familiaris</i> . <i>Animal Behaviour</i> , 2010, 80, 1057-1063.	1.9	63
30	Perception of the Ebbinghaus illusion in four-day-old domestic chicks (<i>Gallus gallus</i>). <i>Animal Cognition</i> , 2013, 16, 895-906.	1.8	59
31	Spatial reorientation: the effects of space size on the encoding of landmark and geometry information. <i>Animal Cognition</i> , 2007, 10, 159-168.	1.8	57
32	Asymmetrical number-space mapping in the avian brain. <i>Neurobiology of Learning and Memory</i> , 2011, 95, 231-238.	1.9	55
33	Delayed search for social and nonsocial goals by young domestic chicks, <i>Gallus gallus domesticus</i> . <i>Animal Behaviour</i> , 2005, 70, 855-864.	1.9	53
34	Summation of Large Numerosity by Newborn Chicks. <i>Frontiers in Psychology</i> , 2011, 2, 179.	2.1	53
35	Working memory in the chick: parallel and lateralized mechanisms for encoding of object- and position-specific information. <i>Behavioural Brain Research</i> , 2005, 157, 1-9.	2.2	52
36	Logic in an asymmetrical (social) brain: Transitive inference in the young domestic chick. <i>Social Neuroscience</i> , 2010, 5, 309-319.	1.3	51

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37	Numerical Abstraction in Young Domestic Chicks (<i>Gallus gallus</i>). <i>PLoS ONE</i> , 2013, 8, e65262.	2.5	50
38	From small to large: Numerical discrimination by young domestic chicks (<i>Gallus gallus</i>).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2014, 128, 163-171.	0.5	50
39	The cradle of causal reasoning: newborns'™ preference for physical causality. <i>Developmental Science</i> , 2013, 16, 327-335.	2.4	49
40	The first time ever I saw your feet: Inversion effect in newborns'™ sensitivity to biological motion.. <i>Developmental Psychology</i> , 2014, 50, 986-993.	1.6	47
41	Hemispheric differences in the recognition of partly occluded objects by newly hatched domestic chicks (<i>Gallus gallus</i>). <i>Animal Cognition</i> , 2004, 7, 162-70.	1.8	45
42	Effects of light stimulation of embryos on the use of position-specific and object-specific cues in binocular and monocular domestic chicks (<i>Gallus gallus</i>). <i>Behavioural Brain Research</i> , 2005, 163, 10-17.	2.2	45
43	Rudiments of mind: Insights through the chick model on number and space cognition in animals.. <i>Comparative Cognition and Behavior Reviews</i> , 0, 5, 78-99.	2.0	44
44	Inversion of contrast polarity abolishes spontaneous preferences for face-like stimuli in newborn chicks. <i>Behavioural Brain Research</i> , 2012, 228, 133-143.	2.2	43
45	The Case of the Line-Bisection: When Both Humans and Chickens Wander Left. <i>Cortex</i> , 2006, 42, 101-103.	2.4	42
46	Lateralized righting behavior in the tortoise (<i>Testudo hermanni</i>). <i>Behavioural Brain Research</i> , 2006, 173, 315-319.	2.2	42
47	Spatial reversal learning is impaired by age in pet dogs. <i>Age</i> , 2013, 35, 2273-2282.	3.0	42
48	Chicks discriminate human gaze with their right hemisphere. <i>Behavioural Brain Research</i> , 2007, 177, 15-21.	2.2	40
49	Lateralization of social learning in the domestic chick, <i>Gallus gallus domesticus</i> : learning to avoid. <i>Animal Behaviour</i> , 2009, 78, 847-856.	1.9	40
50	Animal cognition. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 882-893.	2.8	40
51	A sense of number in invertebrates. <i>Biochemical and Biophysical Research Communications</i> , 2021, 564, 37-42.	2.1	38
52	Object individuation in 3-day-old chicks: use of property and spatiotemporal information. <i>Developmental Science</i> , 2011, 14, 1235-1244.	2.4	33
53	Brain asymmetry modulates perception of biological motion in newborn chicks (<i>Gallus gallus</i>). <i>Behavioural Brain Research</i> , 2015, 290, 1-7.	2.2	31
54	Lateral asymmetries during responses to novel-coloured objects in the domestic chick: A developmental study. <i>Behavioural Processes</i> , 1996, 37, 67-74.	1.1	28

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55	Unsupervised statistical learning in newly hatched chicks. <i>Current Biology</i> , 2016, 26, R1218-R1220.	3.9	28
56	Use of numerical and spatial information in ordinal counting by zebrafish. <i>Scientific Reports</i> , 2019, 9, 18323.	3.3	25
57	Spontaneous discrimination of possible and impossible objects by newly hatched chicks. <i>Biology Letters</i> , 2011, 7, 654-657.	2.3	24
58	Lateralized mechanisms for encoding of object. Behavioral evidence from an animal model: the domestic chick (<i>Gallus gallus</i>). <i>Frontiers in Psychology</i> , 2014, 5, 150.	2.1	24
59	Ratio abstraction over discrete magnitudes by newly hatched domestic chicks (<i>Gallus gallus</i>). <i>Scientific Reports</i> , 2016, 6, 30114.	3.3	23
60	Mapping number to space in the two hemispheres of the avian brain. <i>Neurobiology of Learning and Memory</i> , 2016, 133, 13-18.	1.9	23
61	Sharply Timed Behavioral Changes During the First 5 Weeks of Life in the Domestic Chick (<i>Gallus gallus</i>). <i>Journal of Experimental Biology</i> , 2017, 230, 1-10.	0.78	22
62	Numerical magnitude, rather than individual bias, explains spatial numerical association in newborn chicks. <i>eLife</i> , 2020, 9, .	6.0	20
63	Long-term memory for a spatial task in young chicks. <i>Animal Behaviour</i> , 1999, 57, 1185-1191.	1.9	18
64	Facing an obstacle: Lateralization of object and spatial cognition. <i>Journal of Experimental Psychology: Applied</i> , 2002, 8, 383-444.		18
65	Multi-modal cue integration in the black garden ant. <i>Animal Cognition</i> , 2020, 23, 1119-1127.	1.8	18
66	The use of proportion by young domestic chicks (<i>Gallus gallus</i>). <i>Animal Cognition</i> , 2015, 18, 605-616.	1.8	17
67	At the root of the left-right asymmetries in spatial-numerical processing: From domestic chicks to human subjects. <i>Journal of Cognitive Psychology</i> , 2015, 27, 388-399.	0.9	17
68	The effect of clustering on perceived quantity in humans (<i>Homo sapiens</i>) and in chicks (<i>Gallus gallus</i>). <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2018, 132, 280-293.	0.5	17
69	Domestic Chicks Perceive Stereokinetic Illusions. <i>Perception</i> , 2006, 35, 983-992.	1.2	16
70	Chicks prefer to peck at insect-like elongated stimuli moving in a direction orthogonal to their longer axis. <i>Animal Cognition</i> , 2009, 12, 755-765.	1.8	15
71	Symmetry perception by poultry chicks and its implications for three-dimensional object recognition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 841-846.	2.6	15
72	Response to Comments on "Number-space mapping in the newborn chick resembles humans' mental number line". <i>Science</i> , 2015, 348, 1438-1438.	12.6	15

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73	Spatial reorientation in rats (<i>Rattus norvegicus</i>): Use of geometric and featural information as a function of arena size and feature location. <i>Behavioural Brain Research</i> , 2009, 201, 285-291.	2.2	14
74	Use of kind information for object individuation in young domestic chicks. <i>Animal Cognition</i> , 2014, 17, 925-935.	1.8	14
75	A strategy to improve arithmetical performance in four day-old domestic chicks (<i>Gallus gallus</i>). <i>Scientific Reports</i> , 2017, 7, 13900.	3.3	13
76	Preference for symmetry is experience dependent in newborn chicks (<i>Gallus gallus</i>).. <i>Journal of Experimental Psychology</i> , 2007, 33, 12-20.	1.7	12
77	Generalization of visual regularities in newly hatched chicks (<i>Gallus gallus</i>). <i>Animal Cognition</i> , 2016, 19, 1007-1017.	1.8	12
78	The development of responses to novel-coloured objects in male and female domestic chicks. <i>Behavioural Processes</i> , 1994, 31, 219-229.	1.1	11
79	Time-dependent lateralization of social learning in the domestic chick (<i>Gallus gallus domesticus</i>): Effects of retention delays in the observed lateralization pattern. <i>Behavioural Brain Research</i> , 2010, 212, 152-158.	2.2	11
80	Statistical learning in domestic chicks is modulated by strain and sex. <i>Scientific Reports</i> , 2020, 10, 15140.	3.3	11
81	EMERGENCE OF GRAMMAR AS REVEALED BY VISUAL IMPRINTING IN NEWLY-HATCHED CHICKS. , 2006, , .		11
82	Momâ€™s shadow: structure-from-motion in newly hatched chicks as revealed by an imprinting procedure. <i>Animal Cognition</i> , 2009, 12, 389-400.	1.8	10
83	Animal visual perception. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2011, 2, 106-116.	2.8	10
84	Response: â€œNewborn chicks need no number tricks. Commentary: Number-space mapping in the newborn chick resembles humans' mental number lineâ€. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 31.	2.0	10
85	Hemispheric specialization in spatial versus ordinal processing in the day-old domestic chick (<i>Gallus gallus</i>). <i>Annals of the New York Academy of Sciences</i> , 2020, 1477, 34-43.	3.8	10
86	Individually distinctive features facilitate numerical discrimination of sets of objects in domestic chicks. <i>Scientific Reports</i> , 2020, 10, 16408.	3.3	8
87	A leftward bias negatively correlated with performance is selectively displayed by domestic chicks during rule reversal (not acquisition). <i>Laterality</i> , 2021, 26, 1-18.	1.0	8
88	Response of male and female domestic chicks to change in the number (quantity) of imprinting objects. <i>Learning and Behavior</i> , 2021, 49, 54-66.	1.0	8
89	Infants' preferences for approachers over repulsers shift between 4 and 8 months of age. <i>Aggressive Behavior</i> , 2022, 48, 487-499.	2.4	8
90	Perception of the stereokinetic illusion by the common marmoset (<i>Callithrix jacchus</i>). <i>Animal Cognition</i> , 2007, 10, 135-140.	1.8	7

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91	Low-rank Gallus gallus domesticus chicks are better at transitive inference reasoning. <i>Communications Biology</i> , 2021, 4, 1344.	4.4	6
92	Piece of Evidence. Commentary: Ancestral Mental Number Lines: What Is the Evidence?. <i>Frontiers in Psychology</i> , 2016, 7, 553.	2.1	5
93	Experimental Evidence From Newborn Chicks Enriches Our Knowledge on Human Spatial-Numerical Associations. <i>Cognitive Science</i> , 2017, 41, 2275-2279.	1.7	4
94	Pitch-Luminance Crossmodal Correspondence in the Baby Chick: An Investigation on Predisposed and Learned Processes. <i>Vision (Switzerland)</i> , 2022, 6, 24.	1.2	4
95	Social cognition and learning mechanisms. <i>Interaction Studies</i> , 2011, 12, 208-232.	0.6	3
96	Young chicks rely on symmetry/asymmetry in perceptual grouping to discriminate sets of elements. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211570.	2.6	3
97	Advantages of a Lateralised Brain for Reasoning About the Social World in Chicks. , 2013, , 39-54.		3
98	Lateralized Declarative-Like Memory for Conditional Spatial Information in Domestic Chicks (<i>Gallus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	2.2	2
99	Rethinking cognition: From animal to minimal. <i>Biochemical and Biophysical Research Communications</i> , 2021, 564, 1-3.	2.1	2
100	Approach direction and accuracy, but not response times, show spatial-numerical association in chicks. <i>PLoS ONE</i> , 2021, 16, e0257764.	2.5	2
101	Novelty preference in face perception by week-old lambs (<i>Ovis aries</i>). <i>Interaction Studies</i> , 2014, 15, 113-128.	0.6	2
102	Are prime numbers special? Insights from the life sciences. <i>Biology Direct</i> , 2022, 17, .	4.6	2
103	Visual lateralisation, form preferences, and secondary imprinting in the domestic chick. <i>Laterality</i> , 2005, 10, 487-502.	1.0	1
104	From small to large: Numerical discrimination by young domestic chicks (<i>Gallus gallus</i>) - Correction to Rugani, Vallortigara, and Regolin (2013).. <i>Journal of Comparative Psychology (Washington, D C:)</i> <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	2.5	1
105	The Case of the Line-Bisection: When Both Humans and Chickens Wander Left. , 2006, 42, 101-101.		1
106	Structural Imbalance Promotes Behavior Analogous to Aesthetic Preference in Domestic Chicks. <i>PLoS ONE</i> , 2012, 7, e43029.	2.5	1
107	Lateralised Social Learning in Chicks. , 2013, , 71-86.		1
108	Numerical Abilities in Nonhumans: The Perspective of Comparative Studies. , 2021, , 1-33.		0