

CURRICULUM VITAE di:

Nominativo	GIORGIO VALLORTIGARA
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Posizione accademica

Gruppo Scientifico Disciplinare:	11/PSIC-01 PSICOLOGIA GENERALE, NEUROPSICOLOGIA E NEUROSCIENZE COGNITIVE, PSICOMETRIA
EX Settore Concorsuale:	11/E1
Settore Scientifico Disciplinare:	M-PSI/02
Qualifica:	Professore di I Fascia
Anzianità nel ruolo:	21 anni
Sede Universitaria:	Università di Trento
Struttura di afferenza (dipartimento o altro)	Centro Interdipartimentale Mente/Cervello

Posizioni ricoperte precedentemente nel medesimo Ateneo o in altri

Periodo	Fascia	Ateneo
2003-2007	I Fascia	Università di Trieste
2000-2003	Professore straordinario	Università di Trieste
1999-2000	II Fascia	Università di Trieste
1991-1999	Ricercatore universitario	Università di Udine

Pubblicazioni Scientifiche

N. progr.	Anno	Tipologia pubblicazione (es. articolo, rassegna, capitolo di libro, volume, monografia, ecc.)
1	1985	Articolo di rivista (Zanforlin e Vallortigara. Form preferences and stimulus generalization in domestic chicks. Bollettino di Zoologia)
2	1986	Articolo di rivista (Vallortigara e Zanforlin. Position learning in chicks. Behavioural Processes)
3	1986	Articolo di rivista (Vallortigara et al. The saturn illusion: A new stereokinetic effect. Vision Research)
4	1986	Articolo di rivista (Bressan e Vallortigara. Multiple 3-D interpretations in a classic stereokinetic effect. Perception)
5	1986	Articolo di rivista (Bressan e Vallortigara. Subjective contours can produce stereokinetic effects. Perception)
6	1986	Articolo di rivista (Vallortigara e Zanforlin. A newborn chick's companion. Monitore Zoologico Italiano - Italian Journal of Zoology)

7	1987	Articolo di rivista (Masin et al. An experimental study of the alphabetical rating. Bulletin of the Psychonomic Society)
8	1987	Articolo di rivista (Bressan e Vallortigara. Learning to see stereokinetic effects. Perception)
9	1987	Articolo di rivista (Bressan e Vallortigara. Stereokinesis with moving visual phantoms. Perception)
10	1987	Articolo di rivista (Vallortigara. The hidden face of Kanizsa's triangle: apparent movement of subjective figures in three-dimensional space. Perception)
11	1987	Articolo di rivista (Masin et al. The first five responses in the method of constant stimuli. Canadian journal of psychology)
12	1988	Articolo di rivista (Vallortigara et al. Right-left asymmetry in position learning of male chicks. Behavioural Brain Research)
13	1988	Articolo di rivista (Vallortigara e Zanforlin. Simultaneous Discrimination Learning in Chicks: Spatial Representations and Object Characteristics. Ethology)
14	1988	Articolo di rivista (Zanforlin e Vallortigara. Depth effect from a rotating line of constant length. Perception & Psychophysics)
15	1988	Articolo di rivista (Vallortigara. Chicks in a Novel Environment: Effects of Conspecific Calls. Ethology)
16	1988	Articolo di rivista (Vallortigara e Zanforlin. Open-field behavior of young chicks (Gallus gallus): Antipredatory responses, social reinstatement motivation, and gender effects. Animal Learning & Behavior)
17	1988	Articolo di rivista (Vallortigara et al. Perceptual alternations in stereokinesis. Perception)
18	1989	Articolo di rivista (Vallortigara. Behavioral asymmetries in visual learning of young chickens. Physiology and Behavior)
19	1989	Articolo di rivista (Cailotto et al. Sex differences in the response to social stimuli in young chicks. Ethology Ecology and Evolution)
20	1990	Articolo di rivista (Vallortigara et al. Geometric modules in animals' spatial representations: a test with chicks (Gallus gallus domesticus). Journal of Comparative Psychology (Washington, D.C. : 1983))
21	1990	Articolo di rivista (Vallortigara et al. Sex differences in social reinstatement motivation of the domestic chick (Gallus gallus) revealed by runway tests with social and nonsocial reinforcement. Journal of Comparative Psychology)
22	1990	Articolo di rivista (Zanforlin e Vallortigara. The magic wand: a new stereokinetic anomalous surface. Perception)
23	1990	Articolo di rivista (Vallortigara e Andrew. Neural lateralization in the response to social stimuli by young chicks. Ethology Ecology and Evolution)
24	1990	Articolo di rivista (Vallortigara et al. Perceptual Organization in Animal Learning: Cues or Objects?. Ethology)
25	1991	Articolo di rivista (Bressan e Vallortigara. Illusory depth from moving subjective figures and neon colour spreading. Perception)
26	1991	Articolo di rivista (Vallortigara e Bressan. Occlusion and the perception of coherent motion. Vision Research)
27	1991	Articolo di rivista (Vallortigara e Andrew. Lateralization of response by chicks to change in a model partner. Animal Behaviour)
28	1992	Articolo di rivista (Bressan et al. Motion aftereffects with rotating ellipses. Psychological Research)
29	1992	Articolo di rivista (Vallortigara. Right hemisphere advantage for social recognition in the chick. Neuropsychologia)
30	1992	Articolo di rivista (Vallortigara. Affiliation and aggression as related to gender in domestic chicks (Gallus gallus). Journal of Comparative Psychology)
31	1993	Articolo di rivista (Vallortigara e Zanforlin. Sex differences in social reinstatement motivation of the domestic chick. Ethology Ecology and Evolution)

32	1993	Articolo di rivista (Bressan e Vallortigara. What induces capture in motion capture?. Vision Research)
33	1993	Articolo di rivista (Bressan et al. The role of depth stratification in the solution of the aperture problem. Perception)
34	1994	Articolo di rivista (Vallortigara e Andrew. Olfactory lateralization in the chick. Neuropsychologia)
35	1994	Articolo di rivista (Regolin et al. Detour behaviour in chicks: Spatial and object representation. Bolletino di zoologia)
36	1994	Articolo di rivista (Vallortigara e Andrew. Olfactory lateralization and the analysis of change in the chick. Bolletino di zoologia)
37	1994	Articolo di rivista (Vallortigara e Bressan. Occlusion, transparency, and stereopsis: A new explanation for stereo capture. Vision Research)
38	1994	Articolo di rivista (Regolin et al. Perceptual and motivational aspects of detour behaviour in young chicks. Animal Behaviour)
39	1994	Articolo di rivista (Vallortigara e Andrew. Differential involvement of right and left hemisphere in individual recognition in the domestic chick. Behavioural Processes)
40	1994	Articolo di rivista (Cantalupo et al. Preliminary evidence of lateral asymmetries in lower vertebrates. Bolletino di zoologia)
41	1994	Articolo di rivista (Vallortigara et al. The development of responses to novel-coloured objects in male and female domestic chicks. Behavioural Processes)
42	1995	Articolo di rivista (Regolin et al. Detour behaviour in the domestic chick: Searching for a disappearing prey or a disappearing social partner. Animal Behaviour)
43	1995	Articolo di rivista (Regolin e Vallortigara. Perception of partly occluded objects by young chicks. Perception & Psychophysics)
44	1995	Articolo di rivista (Tommasi et al. Solving occlusion indeterminacy in chromatically homogeneous patterns. Perception)
45	1995	Articolo di rivista (Regolin et al. Object and spatial representations in detour problems by chicks. Animal Behaviour)
46	1995	Articolo di rivista (Cantalupo et al. Lateralization of predator-evasion response in a teleost fish (<i>Girardinus falcatus</i>). Neuropsychologia)
47	1996	Articolo di rivista (Bisazza e Vallortigara. Rotational bias in mosquitofish (<i>Gambusia holbrooki</i>): The role of laterality and sun-compass navigation. Laterality)
48	1996	Articolo di rivista (Regolin e Vallortigara. Lateral asymmetries during responses to novel-coloured objects in the domestic chick: A developmental study. Behavioural Processes)
49	1996	Articolo di rivista (Vallortigara et al. Lateral asymmetries due to preferences in eye use during visual discrimination learning in chicks. Behavioural Brain Research)
50	1996	Articolo di rivista (Bisazza et al. Right-pawedness in toads [7]. Nature)
51	1996	Articolo di rivista (Vallortigara. Learning of colour and position cues in domestic chicks: Males are better at position, females at colour. Behavioural Processes)
52	1996	Articolo di rivista (Cantalupo et al. Lateralization of displays during aggressive and courtship behaviour in the Siamese fighting fish (<i>Betta splendens</i>). Physiology and Behavior)
53	1997	Articolo di rivista (Bisazza et al. Lateral asymmetries during escape behavior in a species of teleost fish (<i>Jenynsia lineata</i>). Physiology and Behavior)
54	1997	Articolo di rivista (Bisazza et al. Laterality in detour behaviour: Interspecific variation in poeciliid fish. Animal Behaviour)
55	1997	Articolo di rivista (Bisazza et al. Pawedness and motor asymmetries in toads. Laterality)
56	1997	Articolo di rivista (Bisazza et al. Detour tests reveal task- and stimulus-specific behavioural lateralization in mosquitofish (<i>Gambusia holbrooki</i>). Behavioural Brain Research)

57	1997	Articolo di rivista (Tommasi et al. Young chickens learn to localize the centre of a spatial environment. Journal of Comparative Physiology - A Sensory, Neural, and Behavioral Physiology)
58	1997	Articolo di rivista (Bisazza e Vallortigara. Rotational swimming preferences in mosquitofish: Evidence for brain lateralization?. Physiology and Behavior)
59	1998	Articolo di rivista (Bisazza et al. The origins of cerebral asymmetry: A review of evidence of behavioural and brain lateralization in fishes, reptiles and amphibians. Neuroscience and Biobehavioral Reviews)
60	1998	Articolo di rivista (Bisazza et al. Lateralization of detour behaviour in poeciliid fish: The effect of species, gender and sexual motivation. Behavioural Brain Research)
61	1998	Articolo di rivista (Vallortigara et al. Delayed search for a concealed imprinted object in the domestic chick. Animal Cognition)
62	1998	Articolo di rivista (Vallortigara et al. Complementary right and left hemifield use for predatory and agonistic behaviour in toads. NeuroReport)
63	1998	Articolo di rivista (Robins et al. Lateralized agonistic responses and hindlimb use in toads. Animal Behaviour)
64	1999	Articolo di rivista (Bisazza et al. Laterality and cooperation: Mosquitofish move closer to a predator when the companion is on their left side. Animal Behaviour)
65	1999	Articolo di rivista (Sovrano et al. Roots of brain specializations: Preferential left-eye use during mirror- image inspection in six species of teleost fish. Behavioural Brain Research)
66	1999	Articolo di rivista (Vallortigara et al. Possible evolutionary origins of cognitive brain lateralization. Brain Research Reviews)
67	1999	Articolo di rivista (Vallortigara. Segregation and integration of information among visual modules. Behavioral and Brain Sciences)
68	1999	Articolo di rivista (Vallortigara et al. Detour behaviour, imprinting and visual lateralization in the domestic chick. Cognitive Brain Research)
69	1999	Articolo di rivista (Facchin et al. What causes lateralization of detour behavior in fish? Evidence for asymmetries in eye use. Behavioural Brain Research)
70	1999	Articolo di rivista (Forkman e Vallortigara. Minimization of modal contours: An essential cross-species strategy in disambiguating relative depth. Animal Cognition)
71	1999	Articolo di rivista (Tommasi e Vallortigara. Footedness in Binocular and Monocular Chicks. Laterality)
72	1999	Articolo di rivista (Tommasi e Vallortigara. Figure ground segregation modulates perceived direction of ambiguous moving gratings and plaids. Vision Research)
73	1999	Articolo di rivista (Mascetti et al. Visual lateralization and monocular sleep in the domestic chick. Cognitive Brain Research)
74	2000	Articolo di rivista (Vallortigara. Comparative neuropsychology of the dual brain: A stroll through animals' left and right perceptual worlds. Brain and Language)
75	2000	Articolo di rivista (Regolin et al. Visual perception of biological motion in newly hatched chicks as revealed by an imprinting procedure. Animal Cognition)
76	2000	Articolo di rivista (Tommasi e Vallortigara. Searching for the center: Spatial cognition in the domestic chick (Gallus gallus). Journal of Experimental Psychology: Animal Behavior Processes)
77	2000	Articolo di rivista (De et al. Prior exposure to a predator influences lateralization of cooperative predator inspection in the guppy, poecilia reticulata. Italian Journal of Zoology)
78	2000	Articolo di rivista (Bisazza et al. Heritability of lateralization in fish: Concordance of right-left asymmetry between parents and offspring. Neuropsychologia)

79	2000	Articolo di rivista (Valenti e Vallortigara. Visual lateralization in the quail (coturnix Europaea); [Lateralizzazione visiva nella quaglia comune (coturnix Europea)]. Ricerche di Psicologia)
80	2000	Articolo di rivista (Bisazza et al. Population lateralisation and social behaviour: A study with 16 species of fish. Laterality)
81	2000	Articolo di rivista (Tommasi et al. Eye use in search is determined by the nature of task in the domestic chick (Gallus gallus). Behavioural Brain Research)
82	2001	Articolo di rivista (Vallortigara et al. How birds use their eyes: Opposite left-right specialization for the lateral and frontal visual hemifield in the domestic chick. Current Biology)
83	2001	Articolo di rivista (De et al. Mosquitofish display differential left- and right-eye use during mirror image scrutiny and predator inspection responses. Animal Behaviour)
84	2001	Articolo di rivista (Bisazza et al. Consistency among different tasks of left-right asymmetries in lines of fish originally selected for opposite direction of lateralization in a detour task. Neuropsychologia)
85	2001	Articolo di rivista (Tommasi et al. Illusory smoke and dazzling fog. Psychological Research)
86	2001	Articolo di rivista (Tommasi e Vallortigara. Encoding of geometric and landmark information in the left and right hemispheres of the avian brain. Behavioral Neuroscience)
87	2001	Articolo di rivista (Vallortigara e Tommasi. Minimization of modal contours: An instance of an evolutionary internalized geometric regularity?. Behavioral and Brain Sciences)
88	2001	Articolo di rivista (Sovrano et al. Lateralization of response to social stimuli in fishes: A comparison between different methods and species. Physiology and Behavior)
89	2001	Articolo di rivista (Bisazza et al. Lateralization of ventral fins use during object exploration in the blue gourami (Trichogaster trichopterus). Physiology and Behavior)
90	2001	Articolo di rivista (Mascetti e Vallortigara. Why do birds sleep with one eye open? Light exposure of the chick embryo as a determinant of monocular sleep. Current Biology)
91	2001	Articolo di rivista (Cozzutti e Vallortigara. Hemispheric memories for the content and position of food caches in the domestic chick. Behavioral Neuroscience)
92	2001	Articolo di rivista (Gagliardo et al. Hippocampus and homing in pigeons: Left and right hemispheric differences in navigational map learning. European Journal of Neuroscience)
93	2002	Articolo di rivista (Lippolis et al. Lateralisation of predator avoidance responses in three species of toads. Laterality)
94	2002	Articolo di rivista (Gagliardo et al. Bilateral participation of the hippocampus in familiar landmark navigation by homing pigeons. Behavioural Brain Research)
95	2002	Articolo di rivista (Vallortigara e Sovrano. Conjoining information from different modules: A comparative perspective. Behavioral and Brain Sciences)
96	2002	Articolo di rivista (Bobbo et al. Light exposure of the chick embryo influences monocular sleep. Behavioural Brain Research)
97	2002	Articolo di rivista (Sovrano et al. Modularity and spatial reorientation in a simple mind: Encoding of geometric and nongeometric properties of a spatial environment by fish. Cognition)
98	2002	Articolo di rivista (De et al. Complementary left and right eye use during predator inspection and shoal-mate scrutiny in minnows. Journal of Fish Biology)
99	2003	Articolo di rivista (Sovrano et al. Modularity as a Fish (Xenotoca eiseni) Views It: Conjoining Geometric and Nongeometric Information for Spatial Reorientation. Journal of Experimental Psychology: Animal Behavior Processes)

100	2003	Articolo di rivista (Tommasi et al. Separate processing mechanisms for encoding of geometric and landmark information in the avian hippocampus. <i>European Journal of Neuroscience</i>)
101	2003	Articolo di rivista (Valenti et al. Visual lateralisation in quails (<i>Coturnix coturnix</i>). <i>Laterality</i>)
102	2004	Articolo di rivista (Mascetti et al. Monocular sleep in male domestic chicks. <i>Behavioural Brain Research</i>)
103	2004	Articolo di rivista (Quaranta et al. Paw preference in dogs: Relations between lateralised behaviour and immunity. <i>Behavioural Brain Research</i>)
104	2004	Articolo di rivista (Regolin et al. Hemispheric differences in the recognition of partly occluded objects by newly hatched domestic chicks (<i>Gallus gallus</i>). <i>Animal Cognition</i>)
105	2004	Articolo di rivista (Vallortigara et al. Separate geometric and non-geometric modules for spatial reorientation: Evidence from a lopsided animal brain. <i>Journal of Cognitive Neuroscience</i>)
106	2004	Articolo di rivista (Ghirlanda e Vallortigara. The evolution of brain lateralization: A game-theoretical analysis of population structure. <i>Proceedings of the Royal Society B: Biological Sciences</i>)
107	2004	Articolo di rivista (Tommasi e Vallortigara. Hemispheric processing of landmark and geometric information in male and female domestic chicks (<i>Gallus gallus</i>). <i>Behavioural Brain Research</i>)
108	2004	Articolo di rivista (Rogers et al. Advantages of having a lateralized brain. <i>Proceedings of the Royal Society B: Biological Sciences</i>)
109	2005	Articolo di rivista (Zucca et al. Detour behaviour in three species of birds: Quails (<i>Coturnix sp.</i>), herring gulls (<i>Larus cachinnans</i>) and canaries (<i>Serinus canaria</i>). <i>Animal Cognition</i>)
110	2005	Articolo di rivista (Chiandetti et al. 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>)
111	2005	Articolo di rivista (Gagliardo et al. Functional asymmetry of left and right avian piriform cortex in homing pigeons' navigation. <i>European Journal of Neuroscience</i>)
112	2005	Articolo di rivista (Sovrano et al. Animals' use of landmarks and metric information to reorient: Effects of the size of the experimental space. <i>Cognition</i>)
113	2005	Articolo di rivista (Clara et al. Visual lateralisation, form preferences, and secondary imprinting in the domestic chick. <i>Laterality</i>)
114	2005	Articolo di rivista (Regolin et al. Delayed search for social and nonsocial goals by young domestic chicks, <i>Gallus gallus domesticus</i> . <i>Animal Behaviour</i>)
115	2005	Articolo di rivista (Diekamp et al. A left-sided visuospatial bias in birds. <i>Current Biology</i>)
116	2005	Articolo di rivista (Vallortigara et al. Visually inexperienced chicks exhibit spontaneous preference for biological motion patterns. <i>PLoS Biology</i>)
117	2005	Articolo di rivista (Vallortigara e Rogers. Survival with an asymmetrical brain: Advantages and disadvantages of cerebral lateralization. <i>Behavioral and Brain Sciences</i>)
118	2005	Articolo di rivista (Vallortigara et al. Reorientation by geometric and landmark information in environments of different size. <i>Developmental Science</i>)
119	2005	Articolo di rivista (Ventolini et al. Laterality in the wild: Preferential hemifield use during predatory and sexual behaviour in the black-winged stilt. <i>Animal Behaviour</i>)
120	2005	Articolo di rivista (Regolin et al. Working memory in the chick: Parallel and lateralized mechanisms for encoding of object- and position-specific information. <i>Behavioural Brain Research</i>)

121	2005	Articolo di rivista (Vallortigara e Rogers. Forming an asymmetrical brain: Genes, environment, and evolutionarily stable strategies. Behavioral and Brain Sciences)
122	2005	Articolo di rivista (Gagliardo et al. A lateralized avian hippocampus: Preferential role of the left hippocampal formation in homing pigeon sun compass-based spatial learning. European Journal of Neuroscience)
123	2006	Articolo di rivista (Bobbo et al. The effects of early post-hatching changes of imprinting object on the pattern of monocular/unihemispheric sleep of domestic chicks. Behavioural Brain Research)
124	2006	Articolo di rivista (Vallortigara. The evolutionary psychology of left and right: Costs and benefits of lateralization. Developmental Psychobiology)
125	2006	Articolo di rivista (Stancher et al. Lateralized righting behavior in the tortoise (Testudo hermanni). Behavioural Brain Research)
126	2006	Articolo di rivista (Bobbo et al. Effects of social interaction on monocular/unihemispheric sleep in male and female domestic chicks. Biological Psychology)
127	2006	Articolo di rivista (Clara et al. Domestic chicks perceive stereokinetic illusions. Perception)
128	2006	Articolo di rivista (Quaranta et al. Lateralised behaviour and immune response in dogs: Relations between paw preference and interferon- γ , interleukin-10 and IgG antibodies production. Behavioural Brain Research)
129	2006	Articolo di rivista (Chiesa et al. Spatial cognition based on geometry and landmarks in the domestic chick (Gallus gallus). Behavioural Brain Research)
130	2006	Articolo di rivista (Vallortigara e Regolin. Gravity bias in the interpretation of biological motion by inexperienced chicks. Current Biology)
131	2006	Articolo di rivista (Vallortigara. Cerebral lateralization: A common theme in the organization of the vertebrate brain. Cortex)
132	2006	Articolo di rivista (Chiandetti e Vallortigara. Chicks' use of geometrical and nongeometrical information in environments of different sizes. Cognitive Processing)
133	2006	Articolo di rivista (Sovrano e Vallortigara. Dissecting the geometric module a sense linkage for metric and landmark information in animals' spatial reorientation. Psychological Science)
134	2006	Articolo di rivista (Della et al. Multiple landmarks, the encoding of environmental geometry and the spatial logics of a dual brain. Animal Cognition)
135	2007	Articolo di rivista (Rosa et al. Chicks discriminate human gaze with their right hemisphere. Behavioural Brain Research)
136	2007	Articolo di rivista (Rugani et al. Rudimental numerical competence in 5-day-old domestic chicks (Gallus gallus): Identification of ordinal position. Journal of Experimental Psychology: Animal Behavior Processes)
137	2007	Articolo di rivista (Quaranta et al. Asymmetric tail-wagging responses by dogs to different emotive stimuli. Current Biology)
138	2007	Articolo di rivista (Chiandetti et al. Erratum to "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)
139	2007	Articolo di rivista (Sovrano et al. How fish do geometry in large and in small spaces. Animal Cognition)
140	2007	Articolo di rivista (Morgante et al. Short-term adaptive response in strongly versus weakly lateralized dairy ewes. Italian Journal of Animal Science)
141	2007	Articolo di rivista (Versace et al. Behavioural lateralization in sheep (Ovis aries). Behavioural Brain Research)

142	2007	Articolo di rivista (Zucca et al. Piagetian object permanence and its development in Eurasian jays (<i>Garrulus glandarius</i>). <i>Animal Cognition</i>)
143	2007	Articolo di rivista (Clara et al. Perception of the stereokinetic illusion by the common marmoset (<i>Callithrix jacchus</i>). <i>Animal Cognition</i>)
144	2007	Articolo di rivista (Chiandetti et al. Spatial reorientation: The effects of space size on the encoding of landmark and geometry information. <i>Animal Cognition</i>)
145	2007	Articolo di rivista (Gagliardo et al. Olfactory lateralization in homing pigeons: Initial orientation of birds receiving a unilateral olfactory input. <i>European Journal of Neuroscience</i>)
146	2007	Articolo di rivista (Clara et al. Preference for symmetry is experience dependent in newborn chicks (<i>Gallus gallus</i>). <i>Journal of Experimental Psychology: Animal Behavior Processes</i>)
147	2007	Articolo di rivista (Mascetti et al. Monocular-unihemispheric sleep and visual discrimination learning in the domestic chick. <i>Experimental Brain Research</i>)
148	2007	Articolo di rivista (Bobbo et al. Monocular sleep following passive avoidance learning in chicks. <i>Behavioural Brain Research</i>)
149	2008	Articolo di rivista (Chiandetti e Vallortigara. Spatial reorientation in large and small enclosures: Comparative and developmental perspectives. <i>Cognitive Processing</i>)
150	2008	Articolo di rivista (Vallortigara et al. Are animals autistic savants?. <i>PLoS Biology</i>)
151	2008	Articolo di rivista (Rugani et al. Discrimination of small numerosities in young chicks. <i>Journal of experimental psychology. Animal behavior processes</i>)
152	2008	Articolo di rivista (Chiandetti e Vallortigara. Is there an innate geometric module? Effects of experience with angular geometric cues on spatial re-orientation based on the shape of the environment. <i>Animal Cognition</i>)
153	2008	Articolo di rivista (Quaranta et al. Influence of behavioural lateralization on interleukin-2 and interleukin-6 gene expression in dogs before and after immunization with rabies vaccine. <i>Behavioural Brain Research</i>)
154	2008	Articolo di rivista (Rogers e Vallortigara. From antenna to antenna: Lateral shift of olfactory memory recall by honeybees. <i>PLoS ONE</i>)
155	2009	Articolo di rivista (Ghirlanda et al. Intraspecific competition and coordination in the evolution of lateralization. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i>)
156	2009	Articolo di rivista (Vallortigara et al. Doing Socrates experiment right: controlled rearing studies of geometrical knowledge in animals. <i>Current Opinion in Neurobiology</i>)
157	2009	Articolo di rivista (Chiandetti e Vallortigara. Effects of embryonic light stimulation on the ability to discriminate left from right in the domestic chick. <i>Behavioural Brain Research</i>)
158	2009	Articolo di rivista (Morgante e Vallortigara. Animal welfare: Neuro-cognitive approaches; [Benessere animale: L'approccio neuro-cognitivo]. <i>Italian Journal of Animal Science</i>)
159	2009	Articolo di rivista (Mcmanus et al. Editorial commentary: Is LRRTM1 the gene for handedness?. <i>Laterality</i>)
160	2009	Articolo di rivista (Mascalzoni et al. Mom's shadow: Structure-from-motion in newly hatched chicks as revealed by an imprinting procedure. <i>Animal Cognition</i>)
161	2009	Articolo di rivista (Rugani et al. Arithmetic in newborn chicks. <i>Proceedings of the Royal Society B: Biological Sciences</i>)
162	2009	Articolo di rivista (Salva et al. Lateralization of social learning in the domestic chick, <i>Gallus gallus domesticus</i> : learning to avoid. <i>Animal Behaviour</i>)

163	2009	Articolo di rivista (Clara et al. Chicks prefer to peck at insect-like elongated stimuli moving in a direction orthogonal to their longer axis. <i>Animal Cognition</i>)
164	2009	Articolo di rivista (MacNeilage et al. Neuroscience origins of the left and right brain. <i>Scientific American</i>)
165	2010	Articolo di rivista (Pecchia e Vallortigara. Reorienting Strategies in a Rectangular Array of Landmarks by Domestic Chicks (<i>Gallus gallus</i>). <i>Journal of Comparative Psychology</i>)
166	2010	Articolo di rivista (Mascalzonia et al. 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>)
167	2010	Articolo di rivista (Pecchia e Vallortigara. View-based strategy for reorientation by geometry. <i>Journal of Experimental Biology</i>)
168	2010	Articolo di rivista (Rugani et al. Imprinted numbers: newborn chicks' sensitivity to number vs. continuous extent of objects they have been reared with. <i>Developmental Science</i>)
169	2010	Articolo di rivista (Frasnelli et al. Response competition associated with right-left antennal asymmetries of new and old olfactory memory traces in honeybees. <i>Behavioural Brain Research</i>)
170	2010	Articolo di rivista (Chiandetti e Vallortigara. Animals' Representation of Enclosed Spaces: Evidence for Use of a Similar Frame of Reference Following Different Disorientation Procedures in the Domestic Chick (<i>Gallus gallus</i>). <i>Journal of Comparative Psychology</i>)
171	2010	Articolo di rivista (McManus et al. Introduction: The right hand and the left hand of history. <i>Laterality</i>)
172	2010	Articolo di rivista (Vallortigara et al. <i>Animal cognition</i> . Wiley Interdisciplinary Reviews: Cognitive Science)
173	2010	Articolo di rivista (Frasnelli et al. Morpho-functional asymmetry of the olfactory receptors of the honeybee (<i>Apis mellifera</i>). <i>Behavioural Brain Research</i>)
174	2010	Articolo di rivista (Rosa-Salva et al. Faces are special for newly hatched chicks: Evidence for inborn domain-specific mechanisms underlying spontaneous preferences for face-like stimuli. <i>Developmental Science</i>)
175	2010	Capitolo di libro (Haun et al. Origins of spatial, temporal and numerical cognition: Insights from comparative psychology. <i>Trends in Cognitive Sciences</i>)
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347	2021	Articolo di rivista (Montalbán-Loro et al. Dlk1 dosage regulates hippocampal neurogenesis and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i>)
348	2021	Articolo di rivista (Lemaire et al. Response of male and female domestic chicks to change in the number (quantity) of imprinting objects. <i>Learning and Behavior</i>)
349	2021	Articolo di rivista (Lorenzi et al. Numerosities and Other Magnitudes in the Brains: A Comparative View. <i>Frontiers in Psychology</i>)
350	2021	Articolo di rivista (Kumaravel et al. Efficient Artifact Removal from Low-Density Wearable EEG using Artifacts Subspace Reconstruction. <i>Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS</i>)
351	2021	Articolo di rivista (Messina et al. The sense of number in fish, with particular reference to its neurobiological bases. <i>Animals</i>)
352	2021	Articolo di rivista (Vallortigara. The rose and the fly. A conjecture on the origin of consciousness. <i>Biochemical and Biophysical Research Communications</i>)
353	2021	Articolo di rivista (Messina et al. Asymmetric distribution of pallial-expressed genes in zebrafish (<i>Danio rerio</i>). <i>European Journal of Neuroscience</i>)
354	2021	Articolo di rivista (Regolin e Vallortigara. Rethinking cognition: From animal to minimal. <i>Biochemical and Biophysical Research Communications</i>)
355	2021	Articolo di rivista (Regaiolli et al. Preliminary investigation of foot preference for a string-pulling task in zoo macaws. <i>Applied Animal Behaviour Science</i>)
356	2021	Articolo di rivista (Zanon et al. Steps towards a computational ethology: an automatized, interactive setup to investigate filial imprinting and biological predispositions. <i>Biological Cybernetics</i>)
357	2022	Articolo di rivista (Messina et al. Quantity as a Fish Views It: Behavior and Neurobiology. <i>Frontiers in Neuroanatomy</i>)
358	2022	Articolo di rivista (Messina et al. Neurons in the Dorso-Central Division of Zebrafish Pallium Respond to Change in Visual Numerosity. <i>Cerebral Cortex</i>)
359	2022	Capitolo di libro (Vallortigara. Animal Detection and Its Role in Our Attitude towards Other Species. <i>Palgrave Macmillan Animal Ethics Series</i>)
360	2022	Articolo di rivista (Kartsch et al. Efficient Low-Frequency SSVEP Detection with Wearable EEG Using Normalized Canonical Correlation Analysis. <i>Sensors</i>)
361	2022	Articolo di rivista (Kobylkov et al. Number neurons in the nidopallium of young domestic chicks. <i>Proceedings of the National Academy of Sciences of the United States of America</i>)
362	2022	Articolo di rivista (Vallortigara et al. Magnitudes for Nervous Systems: Theoretical Issues and Experimental Evidence. <i>Current Directions in Psychological Science</i>)
363	2022	Articolo di rivista (Lemaire et al. Spontaneous preference for unpredictability in the temporal contingencies between agents'

		motion in naive domestic chicks. Proceedings of the Royal Society B: Biological Sciences)
364	2022	Articolo di rivista (Zanon et al. Towards a standardization of non-symbolic numerical experiments: GeNEsIS, a flexible and user-friendly tool to generate controlled stimuli. Behavior Research Methods)
365	2022	Articolo di rivista (Sheardown et al. Characterizing ontogeny of quantity discrimination in zebrafish. Proceedings of the Royal Society B: Biological Sciences)
366	2022	Articolo di rivista (Potrich et al. Archerfish number discrimination. eLife)
367	2022	Articolo di rivista (Costalunga et al. Light-incubation effects on lateralisation of single unit responses in the visual Wulst of domestic chicks. Brain Structure and Function)
368	2022	Articolo di rivista (Szabó et al. Young domestic chicks spontaneously represent the absence of objects. eLife)
369	2022	Articolo di rivista (Versace et al. Light-induced asymmetries in embryonic retinal gene expression are mediated by the vascular system and extracellular matrix. Scientific Reports)
370	2023	Articolo di rivista (Lorenzi et al. Manganese-enhanced magnetic resonance imaging reveals light-induced brain asymmetry in embryo. eLife)
371	2023	Articolo di rivista (Tonello e Vallortigara. Evolutionary models of lateralization: Steps toward stigmergy?. Frontiers in Behavioral Neuroscience)
372	2023	Articolo di rivista (Bortot e Vallortigara. Transfer from continuous to discrete quantities in honeybees. iScience)
373	2023	Articolo di rivista (Lemaire e Vallortigara. Life is in motion (through a chick's eye). Animal Cognition)
374	2023	Articolo di rivista (Torres-Pérez et al. baz1b loss-of-function in zebrafish produces phenotypic alterations consistent with the domestication syndrome. iScience)
375	2023	Articolo di rivista (Rosa-Salva et al. Naïve chicks do not prefer objects with stable body orientation, though they may prefer behavioural variability. Animal Cognition)
376	2023	Articolo di rivista (Kobylov et al. Neural coding of numerosness. BioSystems)
377	2024	Articolo di rivista (Matsushima et al. The domestic chick as an animal model of autism spectrum disorder: building adaptive social perceptions through prenatally formed predispositions. Frontiers in Neuroscience)
378	2024	Articolo di rivista (De et al. Seeing life in the teeming world: animacy perception in arthropods. Frontiers in Psychology)
379	2024	Articolo di rivista (Lorenzi et al. Innate responses to numerosness reveal neural activation in different brain regions in newly-hatched visually naïve chicks. Heliyon)
380	2024	Articolo di rivista (Kobylov e Vallortigara. Face detection mechanisms: Nature vs. nurture. Frontiers in Neuroscience)
381	2024	Articolo di rivista (Costalunga et al. Responses in the left and right entopallium are differently affected by light stimulation in embryo. iScience)
382	2024	Articolo di rivista (Lemaire et al. Flickering stimuli presentation in imprinting. Journal of Ornithology)
383	2024	Articolo di rivista (Zanon et al. Innate sensitivity to face-to-face biological motion. iScience)
384	2024	Articolo di rivista (Morandi-Raikova et al. Hierarchical processing of feature, egocentric and relational information for spatial orientation in domestic chicks. Journal of Experimental Biology)
385	2024	Articolo di rivista (Vallortigara e Vitiello. Brain asymmetry as minimization of free energy: A theoretical model. Royal Society Open Science)

386	2024	Articolo di rivista (Vallortigara. Core knowledge as a neuro-ethologist views it. The Behavioral and Brain Sciences)
387	2024	Articolo di rivista (Kobylykov et al. Innate face-selectivity in the brain of young domestic chicks. Proceedings of the National Academy of Sciences of the United States of America)
388	2024	Articolo di rivista (Adam et al. Looks like home: numerosity, but not spatial frequency guides preference in zebrafish larvae (Danio rerio). Animal Cognition)
389	2024	Articolo di rivista (Behroozi et al. Functional MRI of imprinting memory in awake newborn domestic chicks. Communications Biology)
390	2024	Articolo di rivista (Gonan et al. When sounds come alive: animacy in the auditory sense. Frontiers in Psychology)
391	2024	Articolo di rivista (Vallortigara. The origins of consciousness: Thoughts of the crooked-headed fly. The Origins of Consciousness: Thoughts of the Crooked-Headed Fly)
392	2024	Articolo di rivista (Carollo et al. The Evolution of Developmental Psychology: An Ethologist's Insight. Journal of Genetic Psychology)
393	2024	Articolo di rivista (Potrich et al. Proto-arithmetic abilities in zebrafish (Danio rerio). Heliyon)
394	2024	Articolo di rivista (Lorenzi et al. Noncortical coding of biological motion in newborn chicks' brain. Cerebral Cortex)
395	2024	Articolo di rivista (De Agrò et al. Seeing life in the teeming world: Animacy perception in arthropods. Frontiers in Psychology)
396	2024	Articolo di rivista (Cavallari et al. In vivo assessment of the influence of general anaesthetics on transmembrane water cycling in the brain. Journal of Cerebral Blood Flow and Metabolism, in press)
397	2024	Articolo di rivista (Eccher et al. A left-to-right bias in number-space mapping across ages and cultures. Nature Communications, in press)
398	2024	Articolo di rivista (Dorigo et al. Artificial Intelligence in Science and Society: the Vision of USERN. IEEE Access, in press)
399	2024	Capitolo di libro (Cavallari et al. Imaging embryonic brain lateralization in the chick. In "Lateralized Brain Functions". Springer)
400	2024	Capitolo di libro (Rosa-Salva e Vallortigara. Monocular occlusion in birds. In "Lateralized Brain Functions". Springer)
401	2025	Capitolo di libro (Frasnelli e Vallortigara. Brain and behavioral asymmetries in nonprimate species. In "Handbook of Clinical Neurology". Cerebral Asymmetries)

Titoli

- **Direzione di enti o istituti di ricerca di alta qualificazione internazionale:**
 - Delegato alla valutazione della ricerca e alla divulgazione scientifica e culturale, Università di Trento (Aprile 2018 - Marzo 2021)
 - Pro-Rettore alla Ricerca, Università di Trento (Marzo 2015 - Marzo 2018)
 - Direttore Centro Mente/Cervello (CIMeC) (29 ottobre 2012 - marzo 2015)
 - Direttore Vicario Centro Mente/Cervello CIMeC (15 febbraio 2008 - 2012)
 - Preside della Facoltà di Psicologia, Università di Trieste (2003 - 2006)
 - Direttore del Dipartimento di Psicologia, Università di Trieste (Aprile 2003 - Ottobre 2003)
- **Responsabilità scientifica generale o di unità (work package, unità nazionale nei progetti europei o locale in quelli nazionali ecc.) per progetti di ricerca internazionali e nazionali ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari (ultimi dieci anni):**
 - Progetto "How does it mean to be human?" - Finanziato nell'ambito del 6th Framework Program della Commissione Europea (2006-2009) - Importo: 2,5 milioni di Euro (di cui 350.000 Euro destinati al suo laboratorio).
 - Waltham Foundation Grant (2010-2012) - Importo: 25.000 USD.
 - ERC Advanced Grant (2012-2017) - Importo: 2,4 milioni di Euro.
 - Caritro Foundation Grant (2017-2019) - Importo: 330.000 Euro.
 - Human Frontiers Research Grant (2017-2020) - Importo: 300.000 Euro.
 - ERC Proof of Concept Grant (2018-2019) - Importo: 140.000 Euro.

- Horizon 2020 - Marie Skłodowska-Curie - Individual Fellowships - Grant Agreement No: 101022768 - RoCS (Roots of Communication) - Durata: 24 mesi - Importo: 183.000 Euro.
- ERC Advanced Grant (2019-2024) - Importo: 2,8 milioni di Euro.
- FARE Project MUR (2022) - Importo: 315.000 Euro.
- PRIN Project (PNRR, 2022) - Importo: 90.000 Euro.
- PRIN PNNRR (2022) - Importo: 79.000 Euro.
- ERC Proof of Concept Grant (2024) - Importo: 150.000 Euro.
- BIAL Foundation Grant (2025) - Importo: 60.000 Euro.
- **Direzione o partecipazione a comitati di direzione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:**
 - Membro dell'Editorial Board delle riviste scientifiche "Animal Cognition", "Scientific Reports", "Journal of Comparative Psychology", "International Journal of Comparative Psychology", "Frontiers in Behavioural Neuroscience", "Frontiers in Emotion Science", "Frontiers in Comparative Psychology", "PsyCh Journal", "PeerJ", e "Giornale Italiano di Psicologia". Associate della rivista "Behavioral Brain Sciences".
 - Associate Editor Frontiers in Psychology - Emotion Science
 - Associate Editor Frontiers in Behavioural Neuroscience - Learning and Memory
 - Consulting Editor del "Journal of Comparative Psychology"
 - Membro del Comitato Scientifico della rivista "Le Scienze" (edizione italiana di Scientific American)
 - Membro del Comitato Direttivo della rivista "Sistemi Intelligenti"
 - Membro del Consiglio Scientifico del Festival della Scienza - Genova
 - Membro del Comitato Direttivo della rivista "Reti, Saperi e Linguaggi - Italian Journal of Cognitive Sciences"
 - Associate Editor della rivista scientifica internazionale "Frontiers in Comparative Psychology"
 - Editor (2007-2018) della rivista scientifica internazionale "Laterality: Asymmetries of Body, Brain and Cognition"
- **Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali:**
 - Visiting Professor, School of Biological, Biomedical and Molecular Sciences, University of New England, Australia
 - Research Fellow (1994), Sussex Centre for Neuroscience, Sussex University, U.K.
 - Visiting Fellow (1992), Sussex Centre for Neuroscience, Sussex University, U.K.
 - Visiting Fellow (1991), Sussex Centre for Neuroscience, Sussex University, U.K.
 - Visiting Research Worker (1988), Ethology and Neurophysiology Group, School of Biology, Sussex University, U.K.
- **Significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio:**

Premi e riconoscimenti:

 - 1996 Award of the Applied Vision Association for the best research presented at the Annual Meeting AVA: From Sensation to Visual Perception (1-3 April 1996, University of Reading, U.K.).
 - 2000 Research Grant Award of the Association for the Study of Animal Behaviour.
 - 2001 Research Grant Award of the Universities Federation for Animal Welfare.
 - 2004 Research Grant Award of the Waltham Foundation (U.K.)
 - 2005 Premio "Giovanni Maria Pace" per la divulgazione scientifica.
 - 2007 "Conferenza Lincea Croce", e Medaglia dell'Accademia Italiana dei Lincei.
 - 2007 Premio "Enrico Fermi - Città di Cecina" per la divulgazione scientifica.
 - Recipient of the "Faculty of Science Distinguished Visitor Award 2007", University of New England, Australia.
 - 2007 Appointed "Adjunct Professor", School of Biomedical and Molecular Sciences, University of New England, Australia.
 - 2010 - Research Grant Award Waltham Foundation
 - 2011 - Elected Fellow of the Royal Society of Biology, FRSB
 - 2011 - Elected Member of the Attention & Performance Advisory Council
 - 2012 - Awarded an ERC Advanced Research Grant
 - 2012 - Eletto Socio dell'Accademia degli Agiati
 - 2013 - Eletto Socio ordinario della Società Museo Civico di Rovereto
 - 2013 - Selezione Giuria Scientifica del Premio letterario Galileo per la divulgazione scientifica - anno 2013
 - 2013 - Premio Ferrari Soave per la Biologia animale dell'Accademia delle Scienze di Torino
 - 2016 - Member of the American Association for the Advancement of Science (AAAS)
 - 2016 - Premio Geoffroy Saint Hilaire per l'Etologia, della Società Francese per l'Etologia e lo Studio del Comportamento Animale (SFECA).
 - 2016 - Doctor Rerum Naturalium Honoris Causa, for outstanding achievements in the field of psychobiology, University of Bochum, Germany
 - 2017 - Nominato Socio corrispondente della Classe di Scienze Fisiche, Matematiche e Naturali dell'Istituto Veneto di Scienze, Lettere ed Arti.

- 2019 - Awarded his second ERC Advanced Grant
- 2020 - Premio Pianeta Galileo, Firenze
- 2022 - 13 May 2022, Medal of the Italian Society for Neuroethics
- 2023 - 25 January, Full Membership to Sigma Xi
- 2023 - Tinbergen Lecture, Association for the Study of Animal Behaviour, Edinburgh 14 Dec 2024
- 2024 - Elected Member of the International Neuropsychological Society (INP)

Affiliazione a società scientifiche:

- American Association for the Advancement of Science (AAAS)
- Association for the Study of Animal Behaviour (ASAB)
- Association for Psychological Science (APS)
- Psychonomic Society
- New York Academy of Sciences
- European Neuroscience Association
- European Brain and Behaviour Society
- International Society for Comparative Psychology
- International Brain Research Organization, IBRO

• **Partecipazione come relatore a convegni di carattere scientifico nazionali o internazionali (selezione ultimi due anni):**

- Centre for Neuroscience, Sussex University
- Dipartimento di Psicologia Generale, Università di Padova
- Dipartimento di Biologia, Università di Padova
- Laboratory of Experimental Psychology, Sussex University
- Brain Research Group, Open University, Milton Keynes
- FBK- Trento
- Centre for Developmental Biology, King College,
- London University
- Dept. of Physiology, Univ. of Verona
- Dept. Psychol., Université du Québec, Montreal
- Dip. Sci. Zootecniche, Univ. Sassari
- Dip. Psicol. Univ. di Firenze
- Psychobiologie, Ruhr-Universität, Bochum, Germany
- Dept. of Biology and Preclinical Medicine, Univ. St. Andrews, U.K.
- Konrad Lorenz Institute for Evolution and Cognition, Altenberg, Austria
- SISSA, Cognitive Neuroscience Sector, Trieste, Italy
- Dept. of Biology, Univ. of Groningen, The Netherlands
- Dept. Psychologie, Univ. de Paris V
- CNRS Neurosciences Fonctionnelles, Marseille, France
- Accademia dei Lincei, Roma
- School of Biological, Biomedical and Molecular Sciences, Univ. New England, Australia
- School of Biological Sciences, National Australian University
- Australian Academy of Sciences, Canberra, Australia
- BioZentrum, Vienna University, Austria
- Konrad Lorenz Institute of the Academy of Sciences, Wien
- Istituto Italiano di Tecnologia, Genova
- Université Paris Descartes, Paris
- College de France, Paris
- Central European University, Budapest
- Ecole Polytechnic Federale de Lausanne, Human Brain Project
- Centre for Cognitive Science Marc Jeannerod, Lyon Univ., France

• **Altri titoli che contribuiscano a una migliore definizione del profilo scientifico:**

Organizzazione di conferenze e workshop:

- 2005: Workshop on "Bridges linking behavior and cognition" (organizer: Matsushima, T., Vallortigara, G.), The 29th International Congress of Ethology (IEC2005), ELTE Convention Center, Budapest, Hungary, August 2005
- 2009: 10-12 June, Organizer (with Elizabeth Spelke, Harvard University) of CogEvo - Workshop on Cognition and Evolution - First Edition
- 2010: 17-19 June (with Elizabeth Spelke, Harvard University) of CogEvo - Workshop on Cognition and Evolution - Second Edition
- 2012: 28 June-1 July (with Elizabeth Spelke, Harvard University) of CogEvo - Workshop on Cognition and Evolution - Third Edition
- The Brain and the Ideas. International Workshop on Innovative Ideas on the Functions of Brains. Dec. 4th 2014, Rovereto, Italy
- 2014 7-9 July (with Elizabeth Spelke, Harvard University) of CogEvo - Workshop on Cognition and Evolution - Fourth Edition
- 2017 The origins of numerical abilities. A Royal Society meeting (with Brian Butterworth and Randy Gallistel), 20-21 February, The Royal Society, London, 6-9 Carlton House Terrace, London, SW1Y 5AG
- 2017 The origins of numerical abilities: the future. A Royal Society meeting (with Brian Butterworth and Randy Gallistel), 22-23 February, Kavli Royal Society Centre, Chicheley Hall, Newport Pagnell, Buckinghamshire, MK16 9JJ

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| <ul style="list-style-type: none">□ 2019 10-12 July CogEvo – Workshop on Cognition and Evolution – Fifth Edition, Rovereto, Italy.□ 2024 4-9 June 2024, Minimal Cognition, Workshop in Erice at the Majorana School (co-organized with L. Regolin and P.F. Ferrari) |
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Data

Il Dichiarante

30 dicembre 2024

