

# Maria Luisa Scattoni

## List of Publications by Year in descending order

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106  
papers

6,692  
citations

87888

38  
h-index

71685

76  
g-index

119  
all docs

119  
docs citations

119  
times ranked

7683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Haploinsufficiency of the autism-associated Shank3 gene leads to deficits in synaptic function, social interaction, and social communication. <i>Molecular Autism</i> , 2010, 1, 15.	4.9	521
2	Unusual Repertoire of Vocalizations in the BTBR T+tf/J Mouse Model of Autism. <i>PLoS ONE</i> , 2008, 3, e3067.	2.5	492
3	Ultrasonic vocalizations: A tool for behavioural phenotyping of mouse models of neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 508-515.	6.1	413
4	Reduced Excitatory Neurotransmission and Mild Autism-Relevant Phenotypes in Adolescent <i>Shank3</i> Null Mutant Mice. <i>Journal of Neuroscience</i> , 2012, 32, 6525-6541.	3.6	342
5	Unusual repertoire of vocalizations in adult BTBR T+tf/J mice during three types of social encounters. <i>Genes, Brain and Behavior</i> , 2011, 10, 44-56.	2.2	316
6	Minimal aberrant behavioral phenotypes of neuroligin-3 R451C knockin mice. <i>Autism Research</i> , 2008, 1, 147-158.	3.8	263
7	Anxiolytic-Like Properties of the Anandamide Transport Inhibitor AM404. <i>Neuropsychopharmacology</i> , 2006, 31, 2652-2659.	5.4	208
8	Association of Mouse <i>Dlg4</i> (PSD-95) Gene Deletion and Human <i>DLG4</i> Gene Variation With Phenotypes Relevant to Autism Spectrum Disorders and Williams' Syndrome. <i>American Journal of Psychiatry</i> , 2010, 167, 1508-1517.	7.2	191
9	Chronic and Acute Intranasal Oxytocin Produce Divergent Social Effects in Mice. <i>Neuropsychopharmacology</i> , 2014, 39, 1102-1114.	5.4	176
10	The Female Urine Sniffing Test: A Novel Approach for Assessing Reward-Seeking Behavior in Rodents. <i>Biological Psychiatry</i> , 2010, 67, 864-871.	1.3	174
11	Behavioural methods used in rodent models of autism spectrum disorders: Current standards and new developments. <i>Behavioural Brain Research</i> , 2013, 251, 5-17.	2.2	167
12	Reduced ultrasonic vocalizations in vasopressin 1b knockout mice. <i>Behavioural Brain Research</i> , 2008, 187, 371-378.	2.2	144
13	Translating mouse vocalizations: prosody and frequency modulation <sup>1</sup> . <i>Genes, Brain and Behavior</i> , 2011, 10, 4-16.	2.2	128
14	Reduced social interaction, behavioural flexibility and BDNF signalling in the BTBR T+tf/J strain, a mouse model of autism. <i>Behavioural Brain Research</i> , 2013, 251, 35-40.	2.2	125
15	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in <i>Chd8</i> Haploinsufficient Mice. <i>Cerebral Cortex</i> , 2018, 28, 2192-2206.	2.9	118
16	Neuroimaging Evidence of Major Morpho-Anatomical and Functional Abnormalities in the BTBR T+TF/J Mouse Model of Autism. <i>PLoS ONE</i> , 2013, 8, e76655.	2.5	115
17	Prevalence of Autism Spectrum Disorder in a large Italian catchment area: a school-based population study within the ASDEU project. <i>Epidemiology and Psychiatric Sciences</i> , 2020, 29, e5.	3.9	111
18	Developmental delays and reduced pup ultrasonic vocalizations but normal sociability in mice lacking the postsynaptic cell adhesion protein neuroligin2. <i>Behavioural Brain Research</i> , 2013, 251, 50-64.	2.2	110

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19	Social approach behaviors are similar on conventional versus reverse lighting cycles, and in replications across cohorts, in BTBR T+ tf/J, C57BL/6J, and vasopressin receptor 1B mutant mice. <i>Frontiers in Behavioral Neuroscience</i> , 2007, 1, 1.	2.0	109
20	Altered functional connectivity networks in acallosal and socially impaired BTBR mice. <i>Brain Structure and Function</i> , 2016, 221, 941-954.	2.3	90
21	Deletion of Autism Risk Gene Shank3 Disrupts Prefrontal Connectivity. <i>Journal of Neuroscience</i> , 2019, 39, 5299-5310.	3.6	87
22	Cognitive and neurological deficits induced by early and prolonged basal forebrain cholinergic hypofunction in rats. <i>Experimental Neurology</i> , 2004, 189, 162-172.	4.1	84
23	Homozygous Loss of Autism-Risk Gene CNTNAP2 Results in Reduced Local and Long-Range Prefrontal Functional Connectivity. <i>Cerebral Cortex</i> , 2018, 28, 1141-1153.	2.9	82
24	Difference in Visual Social Predispositions Between Newborns at Low- and High-risk for Autism. <i>Scientific Reports</i> , 2016, 6, 26395.	3.3	80
25	Early behavioural markers of disease in P301S tau transgenic mice. <i>Behavioural Brain Research</i> , 2010, 208, 250-257.	2.2	76
26	Cry, Baby, Cry: Expression of Distress As a Biomarker and Modulator in Autism Spectrum Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 498-503.	2.1	75
27	The cannabinoid receptor agonist WIN 55,212-2 attenuates the effects induced by quinolinic acid in the rat striatum. <i>Neuropharmacology</i> , 2006, 51, 1004-1012.	4.1	69
28	Prenatal chlorpyrifos exposure alters motor behavior and ultrasonic vocalization in cd-1 mouse pups. <i>Environmental Health</i> , 2009, 8, 12.	4.0	69
29	Behavioral and electrophysiological effects of the adenosine A2A receptor antagonist SCH 58261 in R6/2 Huntington's disease mice. <i>Neurobiology of Disease</i> , 2007, 28, 197-205.	4.4	67
30	Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 65, 292-312.	6.1	63
31	The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression. <i>Journal of Clinical Investigation</i> , 2017, 127, 874-887.	8.2	61
32	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. <i>Translational Psychiatry</i> , 2014, 4, e427-e427.	4.8	59
33	Effects of the food contaminant semicarbazide following oral administration in juvenile Sprague-Dawley rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 472-479.	3.6	50
34	Prenatal Exposure to a Common Organophosphate Insecticide Delays Motor Development in a Mouse Model of Idiopathic Autism. <i>PLoS ONE</i> , 2015, 10, e0121663.	2.5	48
35	Comparative Gene Expression Analysis of Two Mouse Models of Autism: Transcriptome Profiling of the BTBR and En2 <sup>+/+</sup> Hippocampus. <i>Frontiers in Neuroscience</i> , 2016, 10, 396.	2.8	43
36	Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. <i>Brain Research Bulletin</i> , 2016, 125, 79-91.	3.0	43

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37	The Knockout of Synapsin II in Mice Impairs Social Behavior and Functional Connectivity Generating an ASD-like Phenotype. <i>Cerebral Cortex</i> , 2017, 27, 5014-5023.	2.9	43
38	Ultrasonic vocalizations as a fundamental tool for early and adult behavioral phenotyping of Autism Spectrum Disorder rodent models. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 31-43.	6.1	42
39	The endocannabinoid transport inhibitor AM404 differentially modulates recognition memory in rats depending on environmental aversiveness. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 11.	2.0	41
40	Early Detection, Diagnosis and Intervention Services for Young Children with Autism Spectrum Disorder in the European Union (ASDEU): Family and Professional Perspectives. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 3380-3394.	2.7	41
41	Opposite effects of the A2A receptor agonist CGS21680 in the striatum of Huntington's disease versus wild-type mice. <i>Neuroscience Letters</i> , 2007, 417, 78-83.	2.1	39
42	Characterization of Neonatal Vocal and Motor Repertoire of Reelin Mutant Mice. <i>PLoS ONE</i> , 2013, 8, e64407.	2.5	37
43	COMT as a Drug Target for Cognitive Functions and Dysfunctions. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 209-221.	1.4	36
44	Automated pose estimation captures key aspects of General Movements at eight to 17 weeks from conventional videos. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1817-1824.	1.5	32
45	Early detection of autism spectrum disorders: From retrospective home video studies to prospective "high risk" sibling studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 627-635.	6.1	30
46	Quantifying ultrasonic mouse vocalizations using acoustic analysis in a supervised statistical machine learning framework. <i>Scientific Reports</i> , 2019, 9, 8100.	3.3	30
47	Progressive behavioural changes in the spatial open-field in the quinolinic acid rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2004, 152, 375-383.	2.2	29
48	Early behavioral markers for neurodevelopmental disorders in the first 3 years of life: An overview of systematic reviews. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 183-201.	6.1	29
49	Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. <i>Molecular Neurobiology</i> , 2018, 55, 7921-7940.	4.0	28
50	Adenosine A2A receptor blockade before striatal excitotoxic lesions prevents long term behavioural disturbances in the quinolinic rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2007, 176, 216-221.	2.2	27
51	Sex-dimorphic effects of gestational exposure to the organophosphate insecticide chlorpyrifos on social investigation in mice. <i>Neurotoxicology and Teratology</i> , 2014, 46, 32-39.	2.4	27
52	Impact of antipsychotics in children and adolescents with autism spectrum disorder: a systematic review and meta-analysis. <i>Health and Quality of Life Outcomes</i> , 2021, 19, 33.	2.4	27
53	Premature changes in neuronal excitability account for hippocampal network impairment and autistic-like behavior in neonatal BTBR T+tf/J mice. <i>Scientific Reports</i> , 2016, 6, 31696.	3.3	26
54	Early motor signs of attention-deficit hyperactivity disorder: a systematic review. <i>European Child and Adolescent Psychiatry</i> , 2020, 29, 903-916.	4.7	26

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55	Differential Expression of Hippocampal Circular RNAs in the BTBR Mouse Model for Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020, 57, 2301-2313.	4.0	26
56	Ultrasonic vocalization in rats self-administering heroin and cocaine in different settings: evidence of substance-specific interactions between drug and setting. <i>Psychopharmacology</i> , 2016, 233, 1501-1511.	3.1	25
57	Assessing the developmental trajectory of mouse models of neurodevelopmental disorders: Social and communication deficits in mice with Neurexin 1 $\alpha$ deletion. <i>Genes, Brain and Behavior</i> , 2020, 19, e12630.	2.2	25
58	Automatic newborn cry analysis: A Non-invasive tool to help autism early diagnosis. , 2012, 2012, 2953-6.		24
59	Mapping Pathological Phenotypes in Reelin Mutant Mice. <i>Frontiers in Pediatrics</i> , 2014, 2, 95.	1.9	24
60	Born to Cry: A Genetic Dissection of Infant Vocalization. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 250.	2.0	24
61	Movidea: A Software Package for Automatic Video Analysis of Movements in Infants at Risk for Neurodevelopmental Disorders. <i>Brain Sciences</i> , 2020, 10, 203.	2.3	24
62	Neonatal basal forebrain cholinergic hypofunction affects ultrasonic vocalizations and fear conditioning responses in preweaning rats. <i>Behavioural Brain Research</i> , 2007, 183, 111-117.	2.2	23
63	Bilateral Patterns of Repetitive Movements in 6- to 12-Month-Old Infants with Autism Spectrum Disorders. <i>Frontiers in Psychology</i> , 2017, 8, 1168.	2.1	23
64	AVIM—A contactless system for infant data acquisition and analysis: Software architecture and first results. <i>Biomedical Signal Processing and Control</i> , 2015, 20, 85-99.	5.7	21
65	Received Cradling Bias During the First Year of Life: A Retrospective Study on Children With Typical and Atypical Development. <i>Frontiers in Psychiatry</i> , 2020, 11, 91.	2.6	20
66	Real-World Experiences in Autistic Adult Diagnostic Services and Post-diagnostic Support and Alignment with Services Guidelines: Results from the ASDEU Study. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 4129-4146.	2.7	20
67	Basal forebrain cholinergic lesions in 7-day-old rats alter ultrasound vocalisations and homing behaviour. <i>Behavioural Brain Research</i> , 2005, 161, 169-172.	2.2	19
68	Maternal Immune Activation in Mice Only Partially Recapitulates the Autism Spectrum Disorders Symptomatology. <i>Neuroscience</i> , 2020, 445, 109-119.	2.3	19
69	Emotional, endocrine and brain anandamide response to social challenge in infant male rats. <i>Psychoneuroendocrinology</i> , 2013, 38, 2152-2162.	2.7	18
70	Early Motor Development Predicts Clinical Outcomes of Siblings at High-Risk for Autism: Insight from an Innovative Motion-Tracking Technology. <i>Brain Sciences</i> , 2020, 10, 379.	2.3	17
71	Improving treatment of neurodevelopmental disorders: recommendations based on preclinical studies. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 11-25.	5.0	16
72	Impact of polyunsaturated fatty acids on patient-important outcomes in children and adolescents with autism spectrum disorder: a systematic review. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 28.	2.4	15

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73	Distinct, dosage-sensitive requirements for the autism-associated factor CHD8 during cortical development. <i>Molecular Autism</i> , 2021, 12, 16.	4.9	15
74	COVID-19 pandemic, the scarcity of medical resources, community-centred medicine and discrimination against persons with disabilities. <i>Journal of Medical Ethics</i> , 2021, 47, 362-366.	1.8	14
75	Does Age Matter? Behavioral and Neuro-anatomical Effects of Neonatal and Adult Basal Forebrain Cholinergic Lesions. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 207-227.	2.6	13
76	Psychiatric disorders among hospitalized patients deceased with COVID-19 in Italy. <i>EClinicalMedicine</i> , 2021, 35, 100854.	7.1	13
77	Register-based cumulative prevalence of Autism Spectrum Disorders during childhood and adolescence in Central Italy. , 2022, 16, .		13
78	Intellectual developmental disorder and autism spectrum disorder in the WPA next triennium mainstream. <i>World Psychiatry</i> , 2020, 19, 260-260.	10.4	12
79	Long-term effects of neonatal basal forebrain cholinergic lesions on radial maze learning and impulsivity in rats. <i>Behavioural Pharmacology</i> , 2006, 17, 517-524.	1.7	11
80	Early developmental trajectories of expressive vocabulary and gesture production in a longitudinal cohort of Italian infants at high risk for Autism Spectrum Disorder. <i>Autism Research</i> , 2021, 14, 1421-1433.	3.8	11
81	Intervention Services for Autistic Adults: An ASDEU Study of Autistic Adults, Carers, and Professionals'™ Experiences. <i>Journal of Autism and Developmental Disorders</i> , 2022, 52, 1623-1639.	2.7	10
82	Rodent Vocalization Studies in Animal Models of the Autism Spectrum Disorder. <i>Handbook of Behavioral Neuroscience</i> , 2018, 25, 445-456.	0.7	9
83	Neonatal cholinergic lesions and development of exploration upon administration of the GABA <sub>A</sub> receptor agonist muscimol in preweaning rats. <i>Pharmacology Biochemistry and Behavior</i> , 2003, 76, 213-221.	2.9	8
84	Modeling Social Communication Deficits in Mouse Models of Autism. <i>Autism-open Access</i> , 2012, 01, .	0.2	8
85	Antenatal ultrasound value in risk calculation for Autism Spectrum Disorder: A systematic review to support future research. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 92, 83-92.	6.1	8
86	A Combined Study on the Use of the Child Behavior Checklist 1½-5 for Identifying Autism Spectrum Disorders at 18 Months. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 3829-3842.	2.7	8
87	Autistic Adult Health and Professional Perceptions of It: Evidence From the ASDEU Project. <i>Frontiers in Psychiatry</i> , 2021, 12, 614102.	2.6	8
88	Yield of array-CGH analysis in Tunisian children with autism spectrum disorder. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2022, 10, .	1.2	8
89	Special interest section on mouse ultrasonic vocalizations. <i>Genes, Brain and Behavior</i> , 2011, 10, 1-3.	2.2	7
90	Introduction and methods of the evidence-based guidelines for the diagnosis and management of autism spectrum disorder by the Italian National Institute of Health. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 81.	2.4	7

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91	Abnormal visual attention to simple social stimuli in 4-month-old infants at high risk for Autism. <i>Scientific Reports</i> , 2021, 11, 15785.	3.3	7
92	Quantitative and Qualitative Features of Neonatal Vocalizations in Mice. <i>Handbook of Behavioral Neuroscience</i> , 2018, , 139-147.	0.7	6
93	Gut mobilization improves behavioral symptoms and modulates urinary p&acircresol in chronically constipated autistic children: A prospective study. <i>Autism Research</i> , 2021, , .	3.8	6
94	Ultrasonic vocalizations in laboratory mice: strain, age, and sex differences. <i>Genes, Brain and Behavior</i> , 2022, 21, .	2.2	6
95	Neurobiology of autism. <i>Behavioural Brain Research</i> , 2013, 251, 1-4.	2.2	5
96	Mouse Behavior and Models for Autism Spectrum Disorders. , 2016, , 269-293.		5
97	Acceptability, equity, and feasibility of using antipsychotics in children and adolescents with autism spectrum disorder: a systematic review. <i>BMC Psychiatry</i> , 2020, 20, 561.	2.6	5
98	Equity, acceptability and feasibility of using polyunsaturated fatty acids in children and adolescents with autism spectrum disorder: a rapid systematic review. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 101.	2.4	4
99	Vocal repertoire in mouse pups: strain differences. <i>Handbook of Behavioral Neuroscience</i> , 2010, , 89-95.	0.7	4
100	Determinants of satisfaction with the detection process of autism in Europe: Results from the ASDEU study. <i>Autism</i> , 2022, 26, 2136-2150.	4.1	3
101	Introductory keynote. The state of the art in animal experimentation. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2004, 40, 151-5.	0.4	2
102	Autistic Adult Services Availability, Preferences, and User Experiences: Results From the Autism Spectrum Disorder in the European Union Survey. <i>Frontiers in Psychiatry</i> , 0, 13, .	2.6	2
103	The cost of caring during recent epidemics: a rapid review of risk factors, psychological manifestations, and strategies for its treatment. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2021, 57, 7-17.	0.4	1
104	P58 SHORT-TERM BEHAVIOURAL EFFECTS OF NEONATAL BASAL FOREBRAIN CHOLINERGIC LESIONS IN RATS. <i>Behavioural Pharmacology</i> , 2004, 15, A25.	1.7	0
105	An Italy-China Collaboration for Promoting Public Mental Health Recommendations During the COVID-19 Pandemic. <i>Frontiers in Public Health</i> , 2021, 9, 640205.	2.7	0
106	GRADE Notes 2: Criteria for searching non-randomized or indirect evidence should be defined early in the guideline production process. <i>Journal of Clinical Epidemiology</i> , 2021, 139, 210-213.	5.0	0