

Maria Luisa Scattoni

List of Publications by Citations

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106
papers

4,841
citations

36
h-index

68
g-index

118
ext. papers

5,995
ext. citations

4.7
avg. IF

5.48
L-index

#	Paper	IF	Citations
106	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	6.5	399
105	Unusual repertoire of vocalizations in the BTBR T+tf/J mouse model of autism. <i>PLoS ONE</i> , 2008 , 3, e30673	3.7	381
104	Ultrasonic vocalizations: a tool for behavioural phenotyping of mouse models of neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 508-15	9	303
103	Reduced excitatory neurotransmission and mild autism-relevant phenotypes in adolescent Shank3 null mutant mice. <i>Journal of Neuroscience</i> , 2012 , 32, 6525-41	6.6	274
102	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	3.6	239
101	Minimal aberrant behavioral phenotypes of neuroligin-3 R451C knockin mice. <i>Autism Research</i> , 2008 , 1, 147-58	5.1	231
100	Anxiolytic-like properties of the anandamide transport inhibitor AM404. <i>Neuropsychopharmacology</i> , 2006 , 31, 2652-9	8.7	190
99	Association of mouse Dlg4 (PSD-95) gene deletion and human DLG4 gene variation with phenotypes relevant to autism spectrum disorders and Williams Syndrome. <i>American Journal of Psychiatry</i> , 2010 , 167, 1508-17	11.9	159
98	Chronic and acute intranasal oxytocin produce divergent social effects in mice. <i>Neuropsychopharmacology</i> , 2014 , 39, 1102-14	8.7	138
97	Behavioural methods used in rodent models of autism spectrum disorders: current standards and new developments. <i>Behavioural Brain Research</i> , 2013 , 251, 5-17	3.4	137
96	The female urine sniffing test: a novel approach for assessing reward-seeking behavior in rodents. <i>Biological Psychiatry</i> , 2010 , 67, 864-71	7.9	130
95	Reduced ultrasonic vocalizations in vasopressin 1b knockout mice. <i>Behavioural Brain Research</i> , 2008 , 187, 371-8	3.4	110
94	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	3.5	93
93	Translating mouse vocalizations: prosody and frequency modulation. <i>Genes, Brain and Behavior</i> , 2011 , 10, 4-16	3.6	89
92	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	3.4	88
91	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	3.4	88
90	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	3.7	82

89	Cognitive and neurological deficits induced by early and prolonged basal forebrain cholinergic hypofunction in rats. <i>Experimental Neurology</i> , 2004 , 189, 162-72	5.7	67
88	The cannabinoid receptor agonist WIN 55,212-2 attenuates the effects induced by quinolinic acid in the rat striatum. <i>Neuropharmacology</i> , 2006 , 51, 1004-12	5.5	66
87	Altered functional connectivity networks in acallosal and socially impaired BTBR mice. <i>Brain Structure and Function</i> , 2016 , 221, 941-54	4	65
86	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. <i>Cerebral Cortex</i> , 2018 , 28, 2192-2206	5.1	65
85	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> , 2018 , 29, e5	5.1	60
84	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	7.5	58
83	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	5.1	55
82	Early behavioural markers of disease in P301S tau transgenic mice. <i>Behavioural Brain Research</i> , 2010 , 208, 250-7	3.4	55
81	Prenatal chlorpyrifos exposure alters motor behavior and ultrasonic vocalization in CD-1 mouse pups. <i>Environmental Health</i> , 2009 , 8, 12	6	54
80	Difference in Visual Social Predispositions Between Newborns at Low- and High-risk for Autism. <i>Scientific Reports</i> , 2016 , 6, 26395	4.9	53
79	Deletion of Autism Risk Gene Shank3 Disrupts Prefrontal Connectivity. <i>Journal of Neuroscience</i> , 2019 , 39, 5299-5310	6.6	45
78	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. <i>Translational Psychiatry</i> , 2014 , 4, e427	8.6	45
77	Effects of the food contaminant semicarbazide following oral administration in juvenile Sprague-Dawley rats. <i>Food and Chemical Toxicology</i> , 2009 , 47, 472-9	4.7	44
76	Cry, baby, cry: Expression of Distress as a Biomarker and Modulator in Autism Spectrum Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2017 ,	5.8	43
75	Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 65, 292-312	9	43
74	The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression. <i>Journal of Clinical Investigation</i> , 2017 , 127, 874-887	15.9	40
73	Prenatal exposure to a common organophosphate insecticide delays motor development in a mouse model of idiopathic autism. <i>PLoS ONE</i> , 2015 , 10, e0121663	3.7	40
72	The endocannabinoid transport inhibitor AM404 differentially modulates recognition memory in rats depending on environmental aversiveness. <i>Frontiers in Behavioral Neuroscience</i> , 2012 , 6, 11	3.5	39

71	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	3.3	37
70	Characterization of neonatal vocal and motor repertoire of reelin mutant mice. <i>PLoS ONE</i> , 2013 , 8, e64407	3.7	35
69	Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. <i>Brain Research Bulletin</i> , 2016 , 125, 79-91	3.9	33
68	COMT as a drug target for cognitive functions and dysfunctions. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012 , 11, 209-21	2.6	29
67	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	5.1	28
66	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, 375-83	3.4	26
65	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, 216-21	3.4	25
64	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, 627-35	9	24
63	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	4.6	23
62	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	3.1	22
61	Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. <i>Molecular Neurobiology</i> , 2018 , 55, 7921-7940	6.2	22
60	Sex-dimorphic effects of gestational exposure to the organophosphate insecticide chlorpyrifos on social investigation in mice. <i>Neurotoxicology and Teratology</i> , 2014 , 46, 32-9	3.9	22
59	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, 1501-11	4.7	21
58	Mapping pathological phenotypes in reelin mutant mice. <i>Frontiers in Pediatrics</i> , 2014 , 2, 95	3.4	21
57	Neonatal basal forebrain cholinergic hypofunction affects ultrasonic vocalizations and fear conditioning responses in preweaning rats. <i>Behavioural Brain Research</i> , 2007 , 183, 111-7	3.4	21
56	Comparative Gene Expression Analysis of Two Mouse Models of Autism: Transcriptome Profiling of the BTBR and En2 (-/-) Hippocampus. <i>Frontiers in Neuroscience</i> , 2016 , 10, 396	5.1	21
55	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	4.9	18
54	Basal forebrain cholinergic lesions in 7-day-old rats alter ultrasound vocalisations and homing behaviour. <i>Behavioural Brain Research</i> , 2005 , 161, 169-72	3.4	17

53	Quantifying ultrasonic mouse vocalizations using acoustic analysis in a supervised statistical machine learning framework. <i>Scientific Reports</i> , 2019 , 9, 8100	4.9	14
52	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	9	14
51	Automatic newborn cry analysis: a non-invasive tool to help autism early diagnosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2953-6	0.9	14
50	Emotional, endocrine and brain anandamide response to social challenge in infant male rats. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2152-62	5	14
49	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	5	13
48	Improving treatment of neurodevelopmental disorders: recommendations based on preclinical studies. <i>Expert Opinion on Drug Discovery</i> , 2016 , 11, 11-25	6.2	13
47	AVIMIA contactless system for infant data acquisition and analysis: Software architecture and first results. <i>Biomedical Signal Processing and Control</i> , 2015 , 20, 85-99	4.9	13
46	Early motor signs of attention-deficit hyperactivity disorder: a systematic review. <i>European Child and Adolescent Psychiatry</i> , 2020 , 29, 903-916	5.5	13
45	Bilateral Patterns of Repetitive Movements in 6- to 12-Month-Old Infants with Autism Spectrum Disorders. <i>Frontiers in Psychology</i> , 2017 , 8, 1168	3.4	11
44	Does age matter? Behavioral and neuro-anatomical effects of neonatal and adult basal forebrain cholinergic lesions. <i>Journal of Alzheimers Disease</i> , 2010 , 20, 207-27	4.3	11
43	Long-term effects of neonatal basal forebrain cholinergic lesions on radial maze learning and impulsivity in rats. <i>Behavioural Pharmacology</i> , 2006 , 17, 517-24	2.4	11
42	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	9	10
41	Born to Cry: A Genetic Dissection of Infant Vocalization. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 250	3.5	10
40	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	3	8
39	Movidea: A Software Package for Automatic Video Analysis of Movements in Infants at Risk for Neurodevelopmental Disorders. <i>Brain Sciences</i> , 2020 , 10,	3.4	8
38	Neonatal cholinergic lesions and development of exploration upon administration of the GABA _A receptor agonist muscimol in preweaning rats. <i>Pharmacology Biochemistry and Behavior</i> , 2003 , 76, 213-21	3.9	8
37	Assessing the developmental trajectory of mouse models of neurodevelopmental disorders: Social and communication deficits in mice with Neurexin 1 deletion. <i>Genes, Brain and Behavior</i> , 2020 , 19, e12630	3.6	8
36	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	3	8

35	Rodent Vocalization Studies in Animal Models of the Autism Spectrum Disorder. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 25, 445-456	0.7	6
34	Modeling Social Communication Deficits in Mouse Models of Autism. <i>Autism-open Access</i> , 2012 , 01,	0	6
33	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	4.6	6
32	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	3	5
31	Neurobiology of autism. <i>Behavioural Brain Research</i> , 2013 , 251, 1-4	3.4	5
30	Differential Expression of Hippocampal Circular RNAs in the BTBR Mouse Model for Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020 , 57, 2301-2313	6.2	5
29	Deletion of autism risk gene Shank3 disrupts prefrontal connectivity		5
28	Intervention Services for Autistic Adults: An ASDEU Study of Autistic Adults, Carers, and Professionals Experiences. <i>Journal of Autism and Developmental Disorders</i> , 2021 , 1	4.6	5
27	Quantitative and Qualitative Features of Neonatal Vocalizations in Mice. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 139-147	0.7	5
26	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,	3.4	4
25	Maternal Immune Activation in Mice Only Partially Recapitulates the Autism Spectrum Disorders Symptomatology. <i>Neuroscience</i> , 2020 , 445, 109-119	3.9	4
24	Homozygous loss of autism-risk gene CNTNAP2 results in reduced local and long-range prefrontal functional connectivity		4
23	COVID-19 pandemic, the scarcity of medical resources, community-centred medicine and discrimination against persons with disabilities. <i>Journal of Medical Ethics</i> , 2021 ,	2.5	4
22	Psychiatric disorders among hospitalized patients deceased with COVID-19 in Italy. <i>EClinicalMedicine</i> , 2021 , 35, 100854	11.3	4
21	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	3	4
20	Distinct, dosage-sensitive requirements for the autism-associated factor CHD8 during cortical development. <i>Molecular Autism</i> , 2021 , 12, 16	6.5	4
19	Register-based cumulative prevalence of Autism Spectrum Disorders during childhood and adolescence in Central Italy 2022 , 16,		3
18	Early Diagnosis of Autism Spectrum Disorders [Design of the Data Acquisition and Management System. <i>IFMBE Proceedings</i> , 2011 , 187-190	0.2	3

17	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes		3
16	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 ^{5.1}		3
15	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	4.6	3
14	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	9	3
13	Acceptability, equity, and feasibility of using antipsychotics in children and adolescents with autism spectrum disorder: a systematic review.		2
12	Vocal repertoire in mouse pups: strain differences. <i>Handbook of Behavioral Neuroscience</i> , 2010 , 89-95	0.7	2
11	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	4.2	2
10	Autistic Adult Health and Professional Perceptions of It: Evidence From the ASDEU Project. <i>Frontiers in Psychiatry</i> , 2021 , 12, 614102	5	2
9	Introductory keynote. The state of the art in animal experimentation. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2004 , 40, 151-5	1.6	2
8	Gut mobilization improves behavioral symptoms and modulates urinary p-cresol in chronically constipated autistic children: A prospective study. <i>Autism Research</i> , 2021 ,	5.1	1
7	Mouse Behavior and Models for Autism Spectrum Disorders 2016 , 269-293		1
6	Abnormal visual attention to simple social stimuli in 4-month-old infants at high risk for Autism. <i>Scientific Reports</i> , 2021 , 11, 15785	4.9	0
5	Behavioral Phenotyping in Genetic Mouse Models of Autism Spectrum Disorders: A Translational Outlook 2017 , 271-293		
4	An Italy-China Collaboration for Promoting Public Mental Health Recommendations During the COVID-19 Pandemic. <i>Frontiers in Public Health</i> , 2021 , 9, 640205	6	
3	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	5.7	
2	Determinants of satisfaction with the detection process of autism in Europe: Results from the ASDEU study.. <i>Autism</i> , 2022 , 13623613221080318	6.6	
1	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	1.6	