## Manuela Malatesta

List of Publications by Year in descending order

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135 papers 3,301 citations

28 h-index 206112 48 g-index

138 all docs

138 docs citations

138 times ranked 5287 citing authors

#	Article	IF	CITATIONS
1	Republished study: long-term toxicity of a Roundup herbicide and a Roundup-tolerantgenetically modified maize. Environmental Sciences Europe, 2014, 26, 14.	5.5	187
2	Transcriptome profile analysis reflects rat liver and kidney damage following chronic ultra-low dose Roundup exposure. Environmental Health, 2015, 14, 70.	4.0	138
3	Ultrastructural Morphometrical and Immunocytochemical Analyses of Hepatocyte Nuclei from Mice Fed on Genetically Modified Soybean Cell Structure and Function, 2002, 27, 173-180.	1.1	101
4	Magnetic resonance imaging of ultrasmall superparamagnetic iron oxide-labeled exosomes from stem cells: a new method to obtain labeled exosomes. International Journal of Nanomedicine, 2016, 11, 2481.	6.7	93
5	A long-term study on female mice fed on a genetically modified soybean: effects on liver ageing. Histochemistry and Cell Biology, 2008, 130, 967-977.	1.7	77
6	The Role of Nrf2 in the Antioxidant Cellular Response to Medical Ozone Exposure. International Journal of Molecular Sciences, 2019, 20, 4009.	4.1	76
7	The kidney during hibernation and arousal from hibernation. A natural model of organ preservation during cold ischaemia and reperfusion. Nephrology Dialysis Transplantation, 1999, 14, 1982-1990.	0.7	66
8	Ultrastructural analysis of pancreatic acinar cells from mice fed on genetically modified soybean. Journal of Anatomy, 2002, 201, 409-415.	1.5	60
9	A three-year longitudinal study on the effects of a diet containing genetically modified Bt176 maize on the health status and performance of sheep. Livestock Science, 2008, 113, 178-190.	1.6	57
10	Revealing the unseen: the organizer region of the nucleolus. Journal of Cell Science, 2001, 114, 3199-3205.	2.0	50
11	Glucocorticoid receptors modulate dendritic spine plasticity and microglia activity in an animal model of Alzheimer's disease. Neurobiology of Disease, 2019, 132, 104568.	4.4	47
12	Answers to critics: Why there is a long term toxicity due to a Roundup-tolerant genetically modified maize and to a Roundup herbicide. Food and Chemical Toxicology, 2013, 53, 476-483.	3.6	46
13	Labeling and Magnetic Resonance Imaging of Exosomes Isolated from Adipose Stem Cells. Current Protocols in Cell Biology, 2017, 75, 3.44.1-3.44.15.	2.3	44
14	Ethosomes and Transethosomes for Mangiferin Transdermal Delivery. Antioxidants, 2021, 10, 768.	5.1	44
15	Transmission Electron Microscopy as a Powerful Tool to Investigate the Interaction of Nanoparticles with Subcellular Structures. International Journal of Molecular Sciences, 2021, 22, 12789.	4.1	44
16	Mild ozonisation activates antioxidant cell response by the Keap1/Nrf2 dependent pathway. Free Radical Biology and Medicine, 2018, 124, 114-121.	2.9	43
17	Hepatoma tissue culture (HTC) cells as a model for investigating the effects of low concentrations of herbicide on cell structure and function. Toxicology in Vitro, 2008, 22, 1853-1860.	2.4	39
18	Internalized chitosan nanoparticles persist for long time in cultured cells. European Journal of Histochemistry, 2015, 59, 2492.	1,5	36

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19	Imatinib-loaded gold nanoparticles inhibit proliferation of fibroblasts and macrophages from systemic sclerosis patients and ameliorate experimental bleomycin-induced lung fibrosis. Journal of Controlled Release, 2019, 310, 198-208.	9.9	36
20	Non-Hematologic Toxicity of Bortezomib in Multiple Myeloma: The Neuromuscular and Cardiovascular Adverse Effects. Cancers, 2020, 12, 2540.	3.7	36
21	Transmission electron microscopy for nanomedicine: novel applications for long-established techniques. European Journal of Histochemistry, 2016, 60, 2751.	1.5	35
22	Biochemical and ultrastructural features of human milk and nipple aspirate fluids. Journal of Clinical Laboratory Analysis, 2000, 14, 330-335.	2.1	33
23	Perichromatin fibrils as early markers of transcriptional alterations. Differentiation, 2008, 76, 57-65.	1.9	33
24	Hyaluronated mesoporous silica nanoparticles for active targeting: influence of conjugation method and hyaluronic acid molecular weight on the nanovector properties. Journal of Colloid and Interface Science, 2018, 516, 484-497.	9.4	33
25	DADLE induces a reversible hibernation-like state in HeLa cells. Histochemistry and Cell Biology, 2006, 125, 193-201.	1.7	32
26	Adapted physical exercise enhances activation and differentiation potential of satellite cells in the skeletal muscle of old mice. Journal of Anatomy, 2016, 228, 771-783.	1.5	32
27	Novel nuclear ribonucleoprotein structural components in the dormouse adrenal cortex during hibernation. Chromosoma, 1995, 104, 121-128.	2.2	28
28	Nuclear bodies are usual constituents in tissues of hibernating dormice., 1999, 254, 389-395.		28
29	Structural and functional alterations of the cell nucleus in skeletal muscle wasting: the evidence in situ. European Journal of Histochemistry, 2010, 54, 44.	1.5	28
30	Ultrastructural and morphometrical analyses of the brown adipocyte nucleus in a hibernating dormouse. Biology of the Cell, 1993, 79, 55-61.	2.0	27
31	Nuclei of aged myofibres undergo structural and functional changes suggesting impairment in RNA processing. European Journal of Histochemistry, 2009, 53, 97-106.	1.5	27
32	The cell nuclei of skeletal muscle cells are transcriptionally active in hibernating edible dormice. BMC Cell Biology, 2009, 10, 19.	3.0	27
33	Prostate-Specific Antigen Synthesis and Secretion by Human Placenta: A Physiological Kallikrein Source during Pregnancy1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 317-321.	3.6	26
34	Glutamate-positive neurons and terminals in the cat periaqueductal gray matter (PAG): a light and electron microscopic immunocytochemical study., 1997, 383, 381-396.		25
35	Altered RNA structural constituents in aging and vitamin E deficiency. Mechanisms of Ageing and Development, 2003, 124, 175-181.	4.6	25
36	Cell uptake and intracellular fate of phospholipidic manganese-based nanoparticles. International Journal of Pharmaceutics, 2016, 508, 83-91.	5.2	25

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37	Formulative Study and Intracellular Fate Evaluation of Ethosomes and Transethosomes for Vitamin D3 Delivery. International Journal of Molecular Sciences, 2021, 22, 5341.	4.1	25
38	Possible involvement of <i>Pseudomonas fluorescens</i> and Bacillaceae in structural modifications of <i>Tuber borchii</i> fruit bodies. Canadian Journal of Microbiology, 2001, 47, 264-268.	1.7	25
39	The effect of the enkephalin DADLE on transcription does not depend on opioid receptors. Histochemistry and Cell Biology, 2006, 126, 189-197.	1.7	24
40	Pre-mRNA Processing Is Partially Impaired in Satellite Cell Nuclei from Aged Muscles. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	24
41	Effects of mild ozonisation on gene expression and nuclear domains organization in vitro. Toxicology in Vitro, 2017, 44, 100-110.	2.4	24
42	Rationally designed hyaluronic acid-based nano-complexes for pentamidine delivery. International Journal of Pharmaceutics, 2019, 568, 118526.	5.2	24
43	Colloidal polymer-coated Zn-doped iron oxide nanoparticles with high relaxivity and specific absorption rate for efficient magnetic resonance imaging and magnetic hyperthermia. Journal of Colloid and Interface Science, 2020, 579, 186-194.	9.4	24
44	Disassembly of nuclear bodies during arousal from hibernation: an in vitro study. Chromosoma, 2001, 110, 471-477.	2.2	22
45	Macrophage depletion induced by clodronate-loaded erythrocytes. Journal of Drug Targeting, 2005, 13, 99-111.	4.4	22
46	Hibernation as a farâ€reaching program for the modulation of RNA transcription. Microscopy Research and Technique, 2008, 71, 564-572.	2.2	22
47	Chitosan nanoparticles are efficient carriers for delivering biodegradable drugs to neuronal cells. Histochemistry and Cell Biology, 2014, 141, 551-558.	1.7	22
48	Nucleoli undergo structural and molecular modifications during hibernation. Chromosoma, 2000, 109, 506-513.	2.2	21
49	Uptake and intracellular distribution of different types of nanoparticles in primary human myoblasts and myotubes. International Journal of Pharmaceutics, 2019, 560, 347-356.	5.2	21
50	Ultrastructural characterization and biochemical profile of human gross cystic breast disease. Breast Cancer Research and Treatment, 1998, 48, 211-219.	2.5	20
51	?-aminobutyric acid transporters in the cat periaqueductal gray: A light and electron microscopic immunocytochemical study. Journal of Comparative Neurology, 2001, 429, 337-354.	1.6	20
52	Dense granular bodies: a novel nucleoplasmic structure in hibernating dormice. Histochemistry and Cell Biology, 1996, 106, 581-586.	1.7	19
53	Ultrastructural, morphometrical and immunocytochemical analyses of the exocrine pancreas in a hibernating dormouse. Cell and Tissue Research, 1998, 292, 531-541.	2.9	19
54	Bortezomib-Induced Muscle Toxicity in Multiple Myeloma. Journal of Neuropathology and Experimental Neurology, 2017, 76, 620-630.	1.7	19

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55	Low ozone concentrations promote adipogenesis in human adipose-derived adult stem cells. European Journal of Histochemistry, 2018, 62, .	1.5	19
56	Immunoreactivity, Ultrastructural Localization, and Transcript Expression of Prostate-specific Antigen in Human Neuroblastoma Cell Lines. Clinical Chemistry, 1999, 45, 78-84.	3.2	18
57	Perichromatin Fibrils Accumulation in Hepatocyte Nuclei Reveals Alterations of Pre-mRNA Processing During Aging. DNA and Cell Biology, 2010, 29, 49-57.	1.9	18
58	RNA processing is altered in skeletal muscle nuclei of patients affected by myotonic dystrophy. Histochemistry and Cell Biology, 2011, 135, 419-425.	1.7	18
59	Tracing nanoparticles and photosensitizing molecules at transmission electron microscopy by diaminobenzidine photo-oxidation. Micron, 2014, 59, 44-51.	2.2	18
60	Embedding cell monolayers to investigate nanoparticle-plasmalemma interactions at transmission electron microscopy. European Journal of Histochemistry, 2019, 63, .	1.5	18
61	Age-Related Changes in the Matrisome of the Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2021, 22, 10564.	4.1	18
62	Ultrastructural characterisation of a nuclear domain highly enriched in survival of motor neuron (SMN) protein. Experimental Cell Research, 2004, 292, 312-321.	2.6	17
63	Effects of ageing on the fine distribution of the circadian CLOCK protein in reticular formation neurons. Histochemistry and Cell Biology, 2007, 127, 641-647.	1.7	17
64	Innovative approach to safely induce controlled lipolysis by superparamagnetic iron oxide nanoparticles-mediated hyperthermic treatment. International Journal of Biochemistry and Cell Biology, 2017, 93, 62-73.	2.8	17
65	Uptake and intracellular fate of biocompatible nanocarriers in cycling and noncycling cells. Nanomedicine, 2019, 14, 301-316.	3.3	17
66	Nanomedicine for Gene Delivery and Drug Repurposing in the Treatment of Muscular Dystrophies. Pharmaceutics, 2021, 13, 278.	4.5	17
67	Ultrastructure of the adrenal cortex of hibernating, arousing, and euthermic dormouse, Muscardinus avellanarius. The Anatomical Record, 1997, 249, 359-364.	1.8	16
68	Molecular Forms and Ultrastructural Localization of Prostate-specific Antigen in Nipple Aspirate Fluids,. Clinical Chemistry, 1999, 45, 2263-2266.	3.2	16
69	Aging and Vitamin E Deficiency Are Responsible for Altered RNA Pathways. Annals of the New York Academy of Sciences, 2004, 1019, 379-382.	3.8	16
70	Aging affects the distribution of the circadian CLOCK protein in rat hepatocytes. Microscopy Research and Technique, 2005, 68, 45-50.	2.2	16
71	Hypometabolic induced state: a potential tool in biomedicine and space exploration. Reviews in Environmental Science and Biotechnology, 2007, 6, 47-60.	8.1	16
72	Physical Training Modulates Structural and Functional Features of Cell Nuclei in Type II Myofibers of Old Mice. Rejuvenation Research, 2011, 14, 543-552.	1.8	16

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73	Muscleblind-like1 undergoes ectopic relocation in the nuclei of skeletal muscles in myotonic dystrophy and sarcopenia. European Journal of Histochemistry, 2013, 57, 15.	1.5	16
74	The Sm Core Domain Mediates Targeting of U1 snRNP to Subnuclear Compartments Involved in Transcription and Splicing. Experimental Cell Research, 1999, 249, 189-198.	2.6	15
75	Simultaneous ultrastructural analysis of fluorochrome-photoconverted diaminobenzidine and gold immunolabeling in cultured cells. European Journal of Histochemistry, 2013, 57, 26.	1.5	15
76	Improving the Cellular Uptake of Biomimetic Magnetic Nanoparticles. Nanomaterials, 2021, 11, 766.	4.1	15
77	Cytochemical and immunocytochemical methods for electron microscopic detection of glucose-6-phosphate dehydrogenase in brain areas. Brain Research Protocols, 2000, 5, 115-120.	1.6	14
78	Modulatory Effect of Aerobic Physical Activity on Synaptic Ultrastructure in the Old Mouse Hippocampus. Frontiers in Aging Neuroscience, 2018, 10, 141.	3.4	14
79	A Correlative Imaging Study of in vivo and ex vivo Biodistribution of Solid Lipid Nanoparticles International Journal of Nanomedicine, 2020, Volume 15, 1745-1758.	6.7	14
80	GABA transporter-1 (GAT-1) immunoreactivity in the cat periaqueductal gray matter. Neuroscience Letters, 1998, 250, 123-126.	2.1	13
81	Ultrastructural features of skeletal muscle in adult and aging Ts65Dn mice, a murine model of Down syndrome. Muscles, Ligaments and Tendons Journal, 2013, 3, 287-94.	0.3	13
82	Prostateâ€specific antigen found in Type I breast cyst fluids is a secretory product of the apocrine cells lining breast gross cysts. Breast Cancer Research and Treatment, 1999, 57, 157-163.	2.5	12
83	Selective distribution of protein kinase A regulatory subunit Rll $\hat{l}\pm$ in rodent gliomas. Neuro-Oncology, 2008, 10, 958-967.	1.2	12
84	An active mechanism flanks and modulates the export of the small ribosomal subunits. Histochemistry and Cell Biology, 2009, 131, 743-753.	1.7	12
85	Ozone Activates the Nrf2 Pathway and Improves Preservation of Explanted Adipose Tissue In Vitro. Antioxidants, 2020, 9, 989.	5.1	12
86	Ultrastructural and immunocytochemical analyses of opioid treatment effects on PC3 prostatic cancer cells. Microscopy Research and Technique, 2004, 64, 243-249.	2.2	11
87	RNA Transcription and Maturation in Skeletal Muscle Cells are Similarly Impaired in Myotonic Dystrophy and Sarcopenia: The Ultrastructural Evidence. Frontiers in Aging Neuroscience, 2014, 6, 196.	3.4	11
88	Combined Microscopic and Metabolomic Approach to Characterize the Skeletal Muscle Fiber of the Ts65Dn Mouse, A Model of Down Syndrome. Microscopy and Microanalysis, 2020, 26, 1014-1023.	0.4	11
89	$\hat{l}\pm 1$ -Antichymotrypsin complexes in human breast cyst fluids. Cancer Letters, 1994, 76, 155-159.	7.2	10
90	Immunoelectron microscope analysis of epidermal growth factor receptor (EGFR) in isolatedMytilus galloprovincialis (Lam.) digestive gland cells: Evidence for ligand-induced changes in EGFR intracellular distribution., 2000, 286, 690-698.		10

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91	Overexpression of TNF-α in mitochondrial diseases caused by mutations in mtDNA: evidence for signaling through its receptors on mitochondria. Free Radical Biology and Medicine, 2013, 63, 108-114.	2.9	10
92	Oxidative Stress to Promote Cell Death or Survival. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	4.0	10
93	Distribution of the epilepsy-related Lgi1 protein in rat cortical neurons. Histochemistry and Cell Biology, 2009, 132, 505-513.	1.7	9
94	Subcellular distribution of key enzymes of lipid metabolism during the euthermiaâ€hibernationâ€arousal cycle. Journal of Anatomy, 2009, 214, 956-962.	1.5	9
95	Characterization for anti-cytoplasmic antibodies specificity by morphological and molecular techniques. Autoimmunity Highlights, 2012, 3, 79-85.	3.9	9
96	Incubation under fluid dynamic conditions markedly improves the structural preservation in vitro of explanted skeletal muscles. European Journal of Histochemistry, 2017, 61, 2862.	1.5	9
97	Imaging techniques in nanomedical research. European Journal of Histochemistry, 2020, 64, .	1.5	9
98	Integrated Microscopy and Metabolomics to Test an Innovative Fluid Dynamic System for Skin Explants <i>In Vitro</i> i>. Microscopy and Microanalysis, 2021, 27, 923-934.	0.4	9
99	Intracellular distribution of hexokinase in rabbit brain. Molecular and Cellular Biochemistry, 1993, 122, 123-132.	3.1	8
100	Immunoelectron microscopic characterization of nucleolusâ€essociated domains during hibernation. Microscopy Research and Technique, 2011, 74, 47-53.	2.2	8
101	Age-related changes in skeletal muscle composition: A pilot nuclear magnetic resonance spectroscopy study in mice. Experimental Gerontology, 2017, 92, 23-27.	2.8	8
102	Ozone Treatment of Grapes During Withering for Amarone Wine: A Multimodal Imaging and Spectroscopic Analysis. Microscopy and Microanalysis, 2018, 24, 564-573.	0.4	8
103	Alcian blue staining to track the intracellular fate of hyaluronic-acid-based nanoparticles at transmission electron microscopy. European Journal of Histochemistry, 2019, 63, .	1.5	8
104	Low Ozone Concentrations Differentially Affect the Structural and Functional Features of Non-Activated and Activated Fibroblasts In Vitro. International Journal of Molecular Sciences, 2021, 22, 10133.	4.1	8
105	Glucose-6-phosphate dehydrogenase in small intestine of rabbit: biochemical properties and subcellular localization. Acta Histochemica, 2001, 103, 287-303.	1.8	7
106	Immunocytochemical analysis of the circadian clock protein in mouse hepatocytes. Microscopy Research and Technique, 2003, 61, 414-418.	2.2	7
107	Influence of Temperature on the Liver Circadian Clock in the Ruin LizardPodarcis sicula. Microscopy Research and Technique, 2007, 70, 578-584.	2.2	7
108	Regulated forms of cell death are induced by the photodynamic action of the fluorogenic substrate, Hypocrellin B-acetate. Journal of Photochemistry and Photobiology B: Biology, 2013, 125, 90-97.	3.8	7

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109	Quantification of G6PD in small and large intestine of rat during aging. Acta Histochemica, 2002, 104, 225-234.	1.8	6
110	Human Myoblasts from Skeletal Muscle Biopsies: In Vitro Culture Preparations for Morphological and Cytochemical Analyses at Light and Electron Microscopy. Methods in Molecular Biology, 2013, 976, 67-79.	0.9	6
111	Testosterone administration increases synaptic density in the gyrus dentatus of old mice independently of physical exercise. Experimental Gerontology, 2019, 125, 110664.	2.8	6
112	Ozone at low concentrations does not affect motility and proliferation of cancer cells in vitro. European Journal of Histochemistry, 2020, 64, .	1.5	6
113	Ultrastructural immunocytochemistry shows impairment of RNA pathways in skeletal muscle nuclei of old mice: A link to sarcopenia?. European Journal of Histochemistry, 2021, 65, .	1.5	6
114	A spectrofluorometric analysis to evaluate transcutaneous biodistribution of fluorescent nanoparticulate gel formulations. European Journal of Histochemistry, 2022, 66, .	1.5	6
115	Differential distribution of soluble and complexed forms of prostate‐specific antigen in cyst fluids of women with gross cystic breast disease. Journal of Clinical Laboratory Analysis, 2001, 15, 81-86.	2.1	5
116	Use of halogenated precursors to define a transcription time window after treatment with hypometabolizing molecules. Histochemistry and Cell Biology, 2014, 141, 243-249.	1.7	5
117	The role of mutated SOD1 gene in synaptic stripping and MHC class I expression following nerve axotomy in ALS murine model. European Journal of Histochemistry, 2018, 62, 2904.	1.5	5
118	Satellite Cells in Skeletal Muscle of the Hibernating Dormouse, a Natural Model of Quiescence and Re-Activation: Focus on the Cell Nucleus. Cells, 2020, 9, 1050.	4.1	5
119	Low Ozone Concentrations Affect the Structural and Functional Features of Jurkat T Cells. Processes, 2021, 9, 1030.	2.8	5
120	A computational approach to quantitatively define sarcomere dimensions and arrangement in skeletal muscle. Computer Methods and Programs in Biomedicine, 2021, 211, 106437.	4.7	5
121	Increased Intracellular Ionic Content Is Correlated with a Decreased Perichromatin Granule Density in Old Neurons. Annals of the New York Academy of Sciences, 2004, 1030, 289-296.	3.8	4
122	Abnormal expression of <scp>RNA</scp> polymerase <scp>II</scp> â€essociated proteins in muscle of patients with myofibrillar myopathies. Histopathology, 2015, 67, 859-865.	2.9	4
123	Quantitative magnetic resonance characterization of the effect of physical training on skeletal muscle of the Ts65Dn mice, a model of Down syndrome. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2066-2074.	2.0	4
124	Ultrastructural characterization of peninsular pancreatic acinar cells in the hibernating dormouse <i>Muscardinus Avellanarius</i> <ir> <ir> <ir> <ir> <ir> <ir> </ir>     Journal of Zoology, 2001, 68, 101-106.</ir></ir></ir></ir></ir>	0.6	3
125	Ultrastructural histochemistry in biomedical research: Alive and kicking. European Journal of Histochemistry, 2018, 62, .	1.5	3
126	An improved and simplified protocol to combine Golgi-Cox staining with immunofluorescence and transmission electron microscopy techniques. Neurochemistry International, 2021, 142, 104922.	3.8	2

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127	Histochemistry for nanomedicine: Novelty in tradition. European Journal of Histochemistry, 2021, 65, .	1.5	1
128	Molecular Imaging in Nanomedical Research. International Journal of Molecular Sciences, 2022, 23, 4207.	4.1	1
129	Dense granular bodies: a novel nucleoplasmic structure in hibernating dormice. Histochemistry and Cell Biology, 1996, 106, 581-586.	1.7	1
130	Hypometabolic induced state: a potential tool in biomedicine and space exploration., 2006,, 415-428.		0
131	CELL NUCLEAR ALTERATIONS IN MYOTONIC DYSTROPHY. Istituto Lombardo - Accademia Di Scienze E Lettere - Incontri Di Studio, 2014, , 25-40.	0.0	0
132	MONITORING THE UPTAKE AND INTRACELLULAR FATE OF NANOVECTORS BY MICROSCOPICAL TECHNIQUES. Istituto Lombardo - Accademia Di Scienze E Lettere - Incontri Di Studio, 0, , .	0.0	0
133	IMAGING TECHNIQUES FOR THE EVALUATION OF GRAPES IN WITHERING FOR AMARONE WINE PRODUCTION. Istituto Lombardo - Accademia Di Scienze E Lettere - Incontri Di Studio, 0, , .	0.0	0
134	A journal of histochemistry as a forum for non-histochemical scientific societies. European Journal of Histochemistry, $2019, 63, .$	1.5	0
135	Ultrastructure of Organs and Tissues of Dormice during Hibernation. , 2000, , 269-276.		0