Tommaso Beccari

List of Publications by Year
in descending order

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80	2,426	304743	223800
papers	citations	22 h-index	46 g-index

83	83	83	3367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cerebrospinal fluid lysosomal enzymes and alphaâ€synuclein in Parkinson's disease. Movement Disorders, 2014, 29, 1019-1027.	3.9	223
2	Therapeutic potential of autophagy-enhancing agents in Parkinsonâ€™s disease. Molecular Neurodegeneration, 2017, 12, 11.	10.8	211
3	Hydroxytyrosol: A natural compound with promising pharmacological activities. Journal of Biotechnology, 2020, 309, 29-33.	3.8	138
4	Cerebrospinal fluid Î²â€glucocerebrosidase activity is reduced in parkinson's disease patients. Movement Disorders, 2017, 32, 1423-1431.	3.9	132
5	Lysosomal Dysfunction and Î±â€Synuclein Aggregation in Parkinson's Disease: Diagnostic Links. Movement Disorders, 2016, 31, 791-801.	3.9	125
6	Selective loss of glucocerebrosidase activity in sporadic Parkinsonâ€™s disease and dementia with Lewy bodies. Molecular Neurodegeneration, 2015, 10, 15.	10.8	120
7	Lysosomal hydrolases in cerebrospinal fluid from subjects with Parkinson's disease. Movement Disorders, 2007, 22, 1481-1484.	3.9	103
8	Characterization of Brain Lysosomal Activities in GBA-Related and Sporadic Parkinsonâ€™s Disease and Dementia with Lewy Bodies. Molecular Neurobiology, 2019, 56, 1344-1355.	4.0	97
9	Natural small molecules as inhibitors of coronavirus lipid-dependent attachment to host cells: a possible strategy for reducing SARS-COV-2 infectivity?. Acta Biomedica, 2020, 91, 161-164.	0.3	89
10	Changes in endolysosomal enzyme activities in cerebrospinal fluid of patients with Parkinson's disease. Movement Disorders, 2013, 28, 747-754.	3.9	88
11	Efficacy of enzyme replacement therapy in Â-mannosidosis mice: a preclinical animal study. Human Molecular Genetics, 2004, 13, 1979-1988.	2.9	87
12	Radiation and Thyroid Cancer. International Journal of Molecular Sciences, 2017, 18, 911.	4.1	71
13	Very-long-chain fatty acid sphingomyelin in nuclear lipid microdomains of hepatocytes and hepatoma cells: can the exchange from C24:0 to C16:0 affect signal proteins and vitamin D receptor?. Molecular Biology of the Cell, 2015, 26, 2418-2425.	2.1	32
14	Glucocerebrosidase in Parkinson's disease: Insights into pathogenesis and prospects for treatment. Movement Disorders, 2016, 31, 830-835.	3.9	32
15	Alpha-Mannosidosis: Therapeutic Strategies. International Journal of Molecular Sciences, 2018, 19, 1500.	4.1	32
16	In Vitro Anti-Inflammatory Effects of Phenolic Compounds from Moraiolo Virgin Olive Oil (MVOO) in Brain Cells via Regulating the TLR4/NLRP3 Axis. Molecules, 2019, 24, 4523.	3.8	31
17	Lysosomal Ceramide Metabolism Disorders: Implications in Parkinsonâ€™s Disease. Journal of Clinical Medicine, 2020, 9, 594.	2.4	31
18	Bioadhesive Polymeric Films Based on Red Onion Skins Extract for Wound Treatment: An Innovative and Eco-Friendly Formulation. Molecules, 2020, 25, 318.	3.8	30

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19	Cloning and expression of mouse cytosolic Î±-mannosidase (Man2c1). Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1580-1586.	2.4	29
20	Why high cholesterol levels help hematological malignancies: role of nuclear lipid microdomains. Lipids in Health and Disease, 2016, 15, 4.	3.0	25
21	Development and Characterization of Xanthan Gum and Alginate Based Bioadhesive Film for Pycnogenol Topical Use in Wound Treatment. Pharmaceutics, 2021, 13, 324.	4.5	25
22	Impact of Gravity on Thyroid Cells. International Journal of Molecular Sciences, 2017, 18, 972.	4.1	24
23	Factors Influencing the Measurement of Lysosomal Enzymes Activity in Human Cerebrospinal Fluid. PLoS ONE, 2014, 9, e101453.	2.5	23
24	Preparation and characterization of polymeric microparticles loaded with Moringa oleifera leaf extract for exuding wound treatment. International Journal of Pharmaceutics, 2020, 587, 119700.	5.2	22
25	Gentamicin Arrests Cancer Cell Growth: The Intriguing Involvement of Nuclear Sphingomyelin Metabolism. International Journal of Molecular Sciences, 2015, 16, 2307-2319.	4.1	21
26	Acid sphingomyelinase as target of Lycium Chinense: promising new action for cell health. Lipids in Health and Disease, 2016, 15, 183.	3.0	21
27	Genetic contributions to the etiology of anorexia nervosa: New perspectives in molecular diagnosis and treatment. Molecular Genetics & Genomic Medicine, 2020, 8, e1244.	1.2	21
28	Toll Like Receptor 4 Affects the Cerebral Biochemical Changes Induced by MPTP Treatment. Neurochemical Research, 2017, 42, 493-500.	3.3	19
29	Neutral Sphingomyelinase Behaviour in Hippocampus Neuroinflammation of MPTP-Induced Mouse Model of Parkinsonâ€™s Disease and in Embryonic Hippocampal Cells. Mediators of Inflammation, 2017, 2017, 1-8.	3.0	19
30	Lysosomal alpha-mannosidase and alpha-mannosidosis. Frontiers in Bioscience - Landmark, 2017, 22, 157-167.	3.0	19
31	5â€HT2AR and BDNF gene variants in eating disorders susceptibility. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2020, 183, 155-163.	1.7	19
32	Accumulation of Free Oligosaccharides and Tissue Damage in Cytosolic Î±-Mannosidase (Man2c1)-deficient Mice. Journal of Biological Chemistry, 2014, 289, 9611-9622.	3.4	18
33	Lysosomal enzyme activities as possible CSF biomarkers of synucleinopathies. Clinica Chimica Acta, 2019, 495, 13-24.	1.1	18
34	Human breast milk as source of sphingolipids for newborns: comparison with infant formulas and commercial cowâ€™s milk. Journal of Translational Medicine, 2020, 18, 481.	4.4	18
35	Development of sodium carboxymethyl cellulose based polymeric microparticles for in situ hydrogel wound dressing formation. International Journal of Pharmaceutics, 2021, 602, 120606.	5.2	18
36	Hypovitaminosis D3, Leukopenia, and Human Serotonin Transporter Polymorphism in Anorexia Nervosa and Bulimia Nervosa. Mediators of Inflammation, 2016, 2016, 1-6.	3.0	17

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37	Effect of Vitamin D in HN9.10e Embryonic Hippocampal Cells and in Hippocampus from MPTP-Induced Parkinsonâ€™s Disease Mouse Model. Frontiers in Cellular Neuroscience, 2018, 12, 31.	3.7	16
38	Bacteriophages presence in nature and their role in the natural selection of bacterial populations. Acta Biomedica, 2020, 91, e2020024.	0.3	16
39	3D Printing Silk-Based Bioresorbable Piezoelectric Self-Adhesive Holey Structures for In Vivo Monitoring on Soft Tissues. ACS Applied Materials & Interfaces, 2022, 14, 19253-19264.	8.0	15
40	Acid and Neutral Sphingomyelinase Behavior in Radiation-Induced Liver Pyroptosis and in the Protective/Preventive Role of rMnSOD. International Journal of Molecular Sciences, 2020, 21, 3281.	4.1	14
41	Natural compounds as inhibitors of SARS-CoV-2 endocytosis: A promising approach against COVID-19. Acta Biomedica, 2020, 91, e2020008.	0.3	14
42	A Role for Neutral Sphingomyelinase in Wound Healing Induced by Keratinocyte Proliferation upon 1Î±, 25-Dihydroxyvitamin D3 Treatment. International Journal of Molecular Sciences, 2019, 20, 3634.	4.1	13
43	Development and Characterization of New Topical Hydrogels Based on Alpha Lipoic Acidâ€”Hydrotalcite Hybrids. Cosmetics, 2019, 6, 35.	3.3	13
44	Identification and characterization of five novel MAN2B1 mutations in Italian patients with alpha-mannosidosis. Human Mutation, 2005, 25, 320-320.	2.5	12
45	Lysosomal di-N-acetylchitobiase-deficient mouse tissues accumulate Man2GlcNAc2 and Man3GlcNAc2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1137-1146.	3.8	12
46	Nuclear Lipid Microdomain as Resting Place of Dexamethasone to Impair Cell Proliferation. International Journal of Molecular Sciences, 2014, 15, 19832-19846.	4.1	12
47	e-Cadherin in 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-Induced Parkinson Disease. Mediators of Inflammation, 2016, 2016, 1-7.	3.0	12
48	Emulgel Loaded with Flaxseed Extracts as New Therapeutic Approach in Wound Treatment. Pharmaceutics, 2021, 13, 1107.	4.5	12
49	Wound Dressing: Combination of Acacia Gum/PVP/Cyclic Dextrin in Bioadhesive Patches Loaded with Grape Seed Extract. Pharmaceutics, 2022, 14, 485.	4.5	12
50	Effect of 1Î±,25(OH)2 Vitamin D3 in Mutant P53 Glioblastoma Cells: Involvement of Neutral Sphingomyelinase1. Cancers, 2020, 12, 3163.	3.7	11
51	Spaceflight Induced Disorders: Potential Nutritional Countermeasures. Frontiers in Bioengineering and Biotechnology, 2021, 9, 666683.	4.1	11
52	A Multi-Gene Panel to Identify Lipedema-Predisposing Genetic Variants by a Next-Generation Sequencing Strategy. Journal of Personalized Medicine, 2022, 12, 268.	2.5	11
53	VDR independent induction of acid-sphingomyelinase by 1,23(OH)2 D3 in gastric cancer cells: Impact on apoptosis and cell morphology. Biochimie, 2018, 146, 35-42.	2.6	10
54	Niemann-Pick Type A Disease: Behavior of Neutral Sphingomyelinase and Vitamin D Receptor. International Journal of Molecular Sciences, 2019, 20, 2365.	4.1	10

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55	The Effect of Vitamin D3 and Silver Nanoparticles on HaCaT Cell Viability. International Journal of Molecular Sciences, 2022, 23, 1410.	4.1	10
56	Gentamicin Targets Acid Sphingomyelinase in Cancer: The Case of the Human Gastric Cancer NCI-N87 Cells. International Journal of Molecular Sciences, 2019, 20, 4375.	4.1	9
57	A next generation sequencing gene panel for use in the diagnosis of anorexia nervosa. Eating and Weight Disorders, 2021, , 1.	2.5	9
58	Promoter characterization and structure of the gene encoding mouse lysosomal Î±- d -mannosidase. Mammalian Genome, 1998, 9, 869-873.	2.2	8
59	Nuclear Lipid Microdomains Regulate Daunorubicin Resistance in Hepatoma Cells. International Journal of Molecular Sciences, 2018, 19, 3424.	4.1	8
60	Neutral sphingomyelinase increases and delocalizes in the absence of Toll-Like Receptor 4: A new insight for MPTP neurotoxicity. Prostaglandins and Other Lipid Mediators, 2019, 142, 46-52.	1.9	8
61	Molecular pathways involved in lymphedema: Hydroxytyrosol as a candidate natural compound for treating the effects of lymph accumulation. Journal of Biotechnology, 2020, 308, 82-86.	3.8	8
62	Stretchable, Bio-Compatible, Antioxidant and Self-Powering Adhesives from Soluble Silk Fibroin and Vegetal Polyphenols Exfoliated Graphite. Nanomaterials, 2021, 11, 2352.	4.1	8
63	COVID-19 vaccine candidates and vaccine development platforms available worldwide. Journal of Pharmaceutical Analysis, 2021, 11, 675-682.	5.3	8
64	Pilot study for the evaluation of safety profile of a potential inhibitor of SARS-CoV-2 endocytosis. Acta Biomedica, 2020, 91, e2020009.	0.3	8
65	Origin of Î±-mannosidase activity in CSF. International Journal of Biochemistry and Cell Biology, 2017, 87, 34-37.	2.8	7
66	Neutral Sphingomyelinase Modulation in the Protective/Preventive Role of rMnSOD from Radiation-Induced Damage in the Brain. International Journal of Molecular Sciences, 2019, 20, 5431.	4.1	7
67	Relationship between Fatty Acids Composition/Antioxidant Potential of Breast Milk and Maternal Diet: Comparison with Infant Formulas. Molecules, 2020, 25, 2910.	3.8	7
68	Vitamin D3 Enriches Ceramide Content in Exosomes Released by Embryonic Hippocampal Cells. International Journal of Molecular Sciences, 2021, 22, 9287.	4.1	7
69	Comparison between American and European legislation in the therapeutical and alimentary bacteriophage usage. Acta Biomedica, 2020, 91, e2020023.	0.3	6
70	Genetic test for the personalization of sport training. Acta Biomedica, 2020, 91, e2020012.	0.3	6
71	Lysosomal Î±-D-mannosidase. Bioscience Reports, 1999, 19, 157-162.	2.4	5
72	MgAl and ZnAl-Hydrotalcites as Materials for Cosmetic and Pharmaceutical Formulations: Study of Their Cytotoxicity on Different Cell Lines. Pharmaceuticals, 2022, 15, 784.	3.8	5

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73	Imbalance in the antioxidant defence system and pro-genotoxic status induced by high glucose concentrations: In vitro testing in human liver cells. Toxicology in Vitro, 2020, 69, 105001.	2.4	4
74	Genetic testing for autonomic dysfunction or dysautonomias. Acta Biomedica, 2020, 91, e2020002.	0.3	4
75	Ethics committees for clinical experimentation at international level with a focus on Italy. Acta Biomedica, 2020, 91, e2020016.	0.3	4
76	Association Between DRD2 and DRD4 Polymorphisms and Eating Disorders in an Italian Population. Frontiers in Nutrition, 2022, 9, 838177.	3.7	3
77	Vitamin D3 as possible diagnostic marker of Eating Disorders. The EuroBiotech Journal, 2021, 5, 24-33.	1.0	2
78	Mouse Thyroid Gland Changes in Aging: Implication of Galectin-3 and Sphingomyelinase. Mediators of Inflammation, 2017, 2017, 1-5.	3.0	1
79	Localization of nuclear actin in nuclear lipid microdomains of liver and hepatoma cells: Possible involvement of sphingomyelin metabolism. The EuroBiotech Journal, 2017, 1, 155-158.	1.0	0
80	Bacteriophages in food supplements obtained from natural sources. Acta Biomedica, 2020, 91, e2020025.	0.3	0