

Laura Bonfili

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,223
citations

279798

23
h-index

175258

52
g-index

54
all docs

54
docs citations

54
times ranked

6472
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10
2	Microbiota modulation counteracts Alzheimer's disease progression influencing neuronal proteolysis and gut hormones plasma levels. Scientific Reports, 2017, 7, 2426.	3.3	316
3	SLAB51 Probiotic Formulation Activates SIRT1 Pathway Promoting Antioxidant and Neuroprotective Effects in an AD Mouse Model. Molecular Neurobiology, 2018, 55, 7987-8000.	4.0	172
4	Arene-Ruthenium(II) Acylpyrazolonato Complexes: Apoptosis-Promoting Effects on Human Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 4532-4542.	6.4	84
5	Gut microbiota manipulation through probiotics oral administration restores glucose homeostasis in a mouse model of Alzheimer's disease. Neurobiology of Aging, 2020, 87, 35-43.	3.1	77
6	Natural polyphenols as proteasome modulators and their role as anti-cancer compounds. FEBS Journal, 2008, 275, 5512-5526.	4.7	73
7	Pazopanib and sunitinib trigger autophagic and non-autophagic death of bladder tumour cells. British Journal of Cancer, 2013, 109, 1040-1050.	6.4	65
8	Crosstalk between the ubiquitin-proteasome system and autophagy in a human cellular model of Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1741-1751.	3.8	61
9	Microbiota modulation as preventative and therapeutic approach in Alzheimer's disease. FEBS Journal, 2021, 288, 2836-2855.	4.7	60
10	Arene-Ruthenium(II) Complexes of Curcumin Exert Antitumor Activity via Proteasome Inhibition and Apoptosis Induction. ChemMedChem, 2012, 7, 2010-2020.	3.2	57
11	Ligand Design for <i>N</i> - or <i>O</i> - <i>N</i> -Pyrazolone-Based Hydrazones Ruthenium(II)-Arene Complexes and Investigation of Their Anticancer Activity. Inorganic Chemistry, 2018, 57, 14123-14133.	4.0	47
12	Natural Occurring Polyphenols as Template for Drug Design. Focus on Serine Proteases. Chemical Biology and Drug Design, 2009, 74, 1-15.	3.2	44
13	Ghrelin induces apoptosis in colon adenocarcinoma cells via proteasome inhibition and autophagy induction. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1188-1200.	4.9	42
14	Effects of thymoquinone on isolated and cellular proteasomes. FEBS Journal, 2010, 277, 2128-2141.	4.7	41
15	Amyloid peptides in different assembly states and related effects on isolated and cellular proteasomes. Brain Research, 2008, 1209, 8-18.	2.2	39
16	Wheat sprout extract-induced apoptosis in human cancer cells by proteasomes modulation. Biochimie, 2009, 91, 1131-1144.	2.6	35
17	Wheat sprout extract induces changes on 20S proteasomes functionality. Biochimie, 2008, 90, 790-801.	2.6	32
18	Interaction between wheat alpha-amylase/trypsin bi-functional inhibitor and mammalian digestive enzymes: Kinetic, equilibrium and structural characterization of binding. Food Chemistry, 2016, 213, 571-578.	8.2	32

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19	Interfering with the high-affinity interaction between wheat amylase trypsin inhibitor CM3 and toll-like receptor 4: in silico and biosensor-based studies. <i>Scientific Reports</i> , 2017, 7, 13169.	3.3	31
20	Essential amino acid mixtures drive cancer cells to apoptosis through proteasome inhibition and autophagy activation. <i>FEBS Journal</i> , 2017, 284, 1726-1737.	4.7	30
21	Neuroprotective effects of p62(SQSTM1)-engineered lactic acid bacteria in Alzheimer's disease: a pre-clinical study. <i>Aging</i> , 2020, 12, 15995-16020.	3.1	30
22	Effects of Ghrelin on the Proteolytic Pathways of Alzheimer's Disease Neuronal Cells. <i>Molecular Neurobiology</i> , 2016, 53, 3168-3178.	4.0	29
23	Binding of aflatoxins to the 20S proteasome: effects on enzyme functionality and implications for oxidative stress and apoptosis. <i>Biological Chemistry</i> , 2007, 388, 107-117.	2.5	25
24	Chimeric DNA/LNA-based biosensor for the rapid detection of African swine fever virus. <i>Talanta</i> , 2018, 184, 35-41.	5.5	25
25	Sorafenib induces cathepsin B-mediated apoptosis of bladder cancer cells by regulating the Akt/PTEN pathway. The Akt inhibitor, perifosine, enhances the sorafenib-induced cytotoxicity against bladder cancer cells. <i>Oncoscience</i> , 2015, 2, 395-409.	2.2	25
26	The TRPV1 ion channel regulates thymocyte differentiation by modulating autophagy and proteasome activity. <i>Oncotarget</i> , 2017, 8, 90766-90780.	1.8	24
27	Antiplasmin activity of natural occurring polyphenols. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 995-1001.	2.3	22
28	Gut microbiota modulation in Alzheimer's disease: Focus on lipid metabolism. <i>Clinical Nutrition</i> , 2022, 41, 698-708.	5.0	21
29	Identification of an EGCG oxidation derivative with proteasome modulatory activity. <i>Biochimie</i> , 2011, 93, 931-940.	2.6	20
30	Flavanol Microbial Metabolites Modulate Proteolysis in Neuronal Cells Reducing Amyloid-beta (A β) Levels. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100380.	3.3	20
31	Environmental pollutants directly affect the liver X receptor alpha activity: Kinetic and thermodynamic characterization of binding. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 152, 1-7.	2.5	19
32	Wild type and mutant amyloid precursor proteins influence downstream effects of proteasome and autophagy inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 127-134.	3.8	18
33	The fine-tuning of proteolytic pathways in Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3433-3451.	5.4	16
34	Exploring the Molecular Mechanisms Underlying the in vitro Anticancer Effects of Multitarget-Directed Hydrazone Ruthenium(II)-Arene Complexes. <i>ChemMedChem</i> , 2020, 15, 105-113.	3.2	16
35	Dinuclear (1-6-arene) ruthenium(II) acylpyrazolone complexes: Synthesis, characterization and cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2015, 791, 1-5.	1.8	15
36	Identification of a Killer Toxin from <i>Wickerhamomyces anomalus</i> with β -Glucanase Activity. <i>Toxins</i> , 2019, 11, 568.	3.4	14

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37	Sanguisorba minor extract suppresses plasmin-mediated mechanisms of cancer cell migration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1027-1034.	2.4	13
38	Novel osmium(η^5 -cymene complexes containing curcumin and bisdemethoxycurcumin ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2448-2457.	6.0	13
39	Targeting Proteasomes with Naturally Occurring Compounds in Cancer Treatment. <i>Current Cancer Drug Targets</i> , 2011, 11, 307-324.	1.6	11
40	Modulation of Gut Microbiota and Neuroprotective Effect of a Yeast-Enriched Beer. <i>Nutrients</i> , 2022, 14, 2380.	4.1	11
41	Binuclear 3,3',5,5'-tetramethyl-1H,4,4'-bipyrazole Ruthenium(II) complexes: Synthesis, characterization and biological studies. <i>Inorganica Chimica Acta</i> , 2020, 513, 119902.	2.4	10
42	Arene-ruthenium(II) complexes with tetracyclic oxime derivatives: synthesis, structure and antiproliferative activity against human breast cancer cells. <i>Inorganica Chimica Acta</i> , 2022, 535, 120879.	2.4	10
43	Strategic Modification of Gut Microbiota through Oral Bacteriotherapy Influences Hypoxia Inducible Factor-1 α : Therapeutic Implication in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 357.	4.1	10
44	Structure/activity virtual screening and in vitro testing of small molecule inhibitors of 8-hydroxy-5-deazaflavin:NADPH oxidoreductase from gut methanogenic bacteria. <i>Scientific Reports</i> , 2020, 10, 13150.	3.3	9
45	Mechanistic insights on petrosaspongiolide M inhibitory effects on immunoproteasome and autophagy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 713-721.	2.3	8
46	Assessment of serum amyloid A concentrations and biochemical profiles in lactating jennies and newborn Ragusano donkey foals around parturition and one month after foaling in Sicily. <i>Reproduction in Domestic Animals</i> , 2022, 57, 262-268.	1.4	6
47	The relationship between the 20S proteasomes and prion-mediated neurodegenerations: potential therapeutic opportunities. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1322-1335.	4.9	4
48	Microglial polarization differentially affects neuronal vulnerability to the β -amyloid protein: Modulation by melatonin. <i>Biochemical Pharmacology</i> , 2022, 202, 115151.	4.4	4
49	ATP independent proteasomal degradation of NQO1 in BL cell lines. <i>Biochimie</i> , 2012, 94, 1242-1249.	2.6	2
50	Guanylin, Uroguanylin and Guanylate Cyclase-C Are Expressed in the Gastrointestinal Tract of Horses. <i>Frontiers in Physiology</i> , 2019, 10, 1237.	2.8	2
51	Different effects of sunitinib, sorafenib, and pazopanib on inducing cancer cell death: The role of autophagy.. <i>Journal of Clinical Oncology</i> , 2013, 31, 270-270.	1.6	2
52	Effect of sunitinib and pazopanib on necrosis and autophagic cell death in cancer cells: Role of cathepsin B.. <i>Journal of Clinical Oncology</i> , 2013, 31, e15513-e15513.	1.6	1
53	Effect of sorafenib on cathepsin B-dependent BID-mediated apoptosis in cancer cells.. <i>Journal of Clinical Oncology</i> , 2013, 31, e15515-e15515.	1.6	0
54	Reply " Letter to the editor "Comment on "Gut microbiota modulation in Alzheimer's disease: Focus on lipid metabolism <i>Clinical nutrition</i> 2022". <i>Clinical Nutrition</i> , 2022, . .	5.0	0