

Giulia Bernardini

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,475
citations

172457

29
h-index

243625

44
g-index

89
all docs

89
docs citations

89
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogentisic acid induces autophagy alterations leading to chondroptosis in human chondrocytes: Implications in Alkaptonuria. <i>Archives of Biochemistry and Biophysics</i> , 2022, 717, 109137.	3.0	3
2	Survey on the Recent Advances in 4-Hydroxyphenylpyruvate Dioxygenase (HPPD) Inhibition by Diketone and Triketone Derivatives and Congeneric Compounds: Structural Analysis of HPPD/Inhibitor Complexes and Structure-Activity Relationship Considerations. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6963-6981.	5.2	19
3	COVID-19, coagulopathy and venous thromboembolism: more questions than answers” comment. <i>Internal and Emergency Medicine</i> , 2021, 16, 525-526.	2.0	1
4	Leveraging proteomics in orphan disease research: pitfalls and potential. <i>Expert Review of Proteomics</i> , 2021, 18, 315-327.	3.0	2
5	Animal and cell models for Lesch-Nyhan syndrome. <i>Drug Discovery Today: Disease Models</i> , 2020, 31, 45-57.	1.2	3
6	Tumor-Associated Macrophages in Osteosarcoma: From Mechanisms to Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5207.	4.1	119
7	Antimicrobial Efficacy of Five Probiotic Strains Against <i>Helicobacter pylori</i> . <i>Antibiotics</i> , 2020, 9, 244.	3.7	19
8	Machine learning application for development of a data-driven predictive model able to investigate quality of life scores in a rare disease. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 46.	2.7	21
9	<i>Helicobacter pylori</i> Infection and Autoimmune Thyroid Diseases: The Role of Virulent Strains. <i>Antibiotics</i> , 2020, 9, 12.	3.7	23
10	Homogentisic acid affects human osteoblastic functionality by oxidative stress and alteration of the Wnt/ β -catenin signaling pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 6808-6816.	4.1	13
11	<i>Padina pavonica</i> Extract Promotes In Vitro Differentiation and Functionality of Human Primary Osteoblasts. <i>Marine Drugs</i> , 2019, 17, 473.	4.6	8
12	Interactive alkaptonuria database: investigating clinical data to improve patient care in a rare disease. <i>FASEB Journal</i> , 2019, 33, 12696-12703.	0.5	18
13	Inhibiting PNP for the therapy of hyperuricemia in Lesch-Nyhan disease: Preliminary in vitro studies with analogues of immucillin. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 178-185.	3.6	9
14	Beer promotes differentiation and mineralization of human osteoblastic cells: Role of silicon. <i>Journal of Functional Foods</i> , 2019, 54, 109-118.	3.4	3
15	Homogentisic acid induces morphological and mechanical aberration of ochronotic cartilage in alkaptonuria. <i>Journal of Cellular Physiology</i> , 2019, 234, 6696-6708.	4.1	11
16	Foodomics for human health: current status and perspectives. <i>Expert Review of Proteomics</i> , 2018, 15, 153-164.	3.0	52
17	Novel smoothed antagonists as anti-neoplastic agents for the treatment of osteosarcoma. <i>Journal of Cellular Physiology</i> , 2018, 233, 4961-4971.	4.1	17
18	Pro-Apoptotic Activity of French Polynesian <i>Padina pavonica</i> Extract on Human Osteosarcoma Cells. <i>Marine Drugs</i> , 2018, 16, 504.	4.6	26

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19	A new integrated and interactive tool applicable to inborn errors of metabolism: Application to alkaptonuria. <i>Computers in Biology and Medicine</i> , 2018, 103, 1-7.	7.0	17
20	Inflammatory and oxidative stress biomarkers in alkaptonuria: data from the DevelopAKUre project. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1078-1086.	1.3	17
21	Cytoskeleton Aberrations in Alkaptonuric Chondrocytes. <i>Journal of Cellular Physiology</i> , 2017, 232, 1728-1738.	4.1	14
22	4-Hydroxyphenylpyruvate Dioxygenase and Its Inhibition in Plants and Animals: Small Molecules as Herbicides and Agents for the Treatment of Human Inherited Diseases. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4101-4125.	6.4	89
23	Histological and Ultrastructural Characterization of Alkaptonuric Tissues. <i>Calcified Tissue International</i> , 2017, 101, 50-64.	3.1	24
24	A new light on Alkaptonuria: A Fourier-transform infrared microscopy (FTIRM) and low energy X-ray fluorescence (LEXRF) microscopy correlative study on a rare disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1000-1008.	2.4	17
25	Application of proteomics to the study of <i>Helicobacter pylori</i> and implications for the clinic. <i>Expert Review of Proteomics</i> , 2017, 14, 477-490.	3.0	12
26	Smoothened ϵ -antagonists reverse homogentisic acid-induced alterations of Hedgehog signaling and primary cilium length in alkaptonuria. <i>Journal of Cellular Physiology</i> , 2017, 232, 3103-3111.	4.1	18
27	Proteomic Investigation of Dermal Fibroblasts Isolated from Affected and Unaffected Skin Samples from Patients with Limited Cutaneous Systemic Sclerosis: 2 Distinct Entities?. <i>Journal of Rheumatology</i> , 2017, 44, 40-48.	2.0	13
28	Toward a generalized computational workflow for exploiting transient pockets as new targets for small molecule stabilizers: Application to the homogentisate 1,2-dioxygenase mutants at the base of rare disease Alkaptonuria. <i>Computational Biology and Chemistry</i> , 2017, 70, 133-141.	2.3	16
29	Differentially activated Src kinase in chemo-naïve human primary osteosarcoma cells and effects of a Src kinase inhibitor. <i>BioFactors</i> , 2017, 43, 801-811.	5.4	8
30	Homogentisic acid induces aggregation and fibrillation of amyloidogenic proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 135-146.	2.4	20
31	Osteosarcoma Biomarkers Discovery Using ϵ -Omics Approaches. <i>Biomarkers in Disease</i> , 2017, , 23-46.	0.1	0
32	Inhibition of <i>para</i> -4-Hydroxyphenylpyruvate Dioxygenase by Analogues of the Herbicide Nitisinone As a Strategy to Decrease Homogentisic Acid Levels, the Causative Agent of Alkaptonuria. <i>ChemMedChem</i> , 2016, 11, 674-678.	3.2	22
33	Quick Diagnosis of Alkaptonuria by Homogentisic Acid Determination in Urine Paper Spots. <i>JIMD Reports</i> , 2016, 31, 51-56.	1.5	8
34	Comparative proteomics in alkaptonuria provides insights into inflammation and oxidative stress. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 271-280.	2.8	19
35	Angiogenesis in alkaptonuria. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 801-806.	3.6	9
36	<i>Saccharomyces cerevisiae</i> as a model in ecotoxicological studies: A post-genomics perspective. <i>Journal of Proteomics</i> , 2016, 137, 19-34.	2.4	41

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37	CD93 and dystroglycan cooperation in human endothelial cell adhesion and migration. <i>Oncotarget</i> , 2016, 7, 10090-10103.	1.8	47
38	Establishment of Four New Human Primary Cell Cultures from Chemo-Naïve Italian Osteosarcoma Patients. <i>Journal of Cellular Physiology</i> , 2015, 230, 2718-2727.	4.1	21
39	Homogentisate 1,2 dioxygenase is expressed in brain: implications in alkaptonuria. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 807-814.	3.6	26
40	Human platelet releasates combined with polyglycolic acid scaffold promote chondrocyte differentiation and phenotypic maintenance. <i>Journal of Biosciences</i> , 2015, 40, 61-69.	1.1	13
41	Chondroptosis in Alkaptonuric Cartilage. <i>Journal of Cellular Physiology</i> , 2015, 230, 1148-1157.	4.1	34
42	Amyloidosis in alkaptonuria. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 797-805.	3.6	34
43	Oxidative stress and mechanisms of ochronosis in alkaptonuria. <i>Free Radical Biology and Medicine</i> , 2015, 88, 70-80.	2.9	60
44	Diagnosis of secondary amyloidosis in alkaptonuria. <i>Diagnostic Pathology</i> , 2014, 9, 185.	2.0	26
45	Amyloidosis, Inflammation, and Oxidative Stress in the Heart of an Alkaptonuric Patient. <i>Mediators of Inflammation</i> , 2014, 2014, 1-12.	3.0	43
46	Proteomics of osteosarcoma. <i>Expert Review of Proteomics</i> , 2014, 11, 331-343.	3.0	19
47	Proteomics and phosphoproteomics provide insights into the mechanism of action of a novel pyrazolo[3,4-d]pyrimidine Src inhibitor in human osteosarcoma. <i>Molecular BioSystems</i> , 2014, 10, 1305.	2.9	20
48	Secondary amyloidosis in an alkaptonuric aortic valve. <i>International Journal of Cardiology</i> , 2014, 172, e121-e123.	1.7	34
49	Antioxidants inhibit SAA formation and pro-inflammatory cytokine release in a human cell model of alkaptonuria. <i>Rheumatology</i> , 2013, 52, 1667-1673.	1.9	44
50	Alkaptonuria is a novel human secondary amyloidogenic disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1682-1691.	3.8	65
51	Prevalence of Isolated Atrial Amyloidosis in Young Patients Affected by Congestive Heart Failure. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	2.1	13
52	Post-genomics of bone metabolic dysfunctions and neoplasias. <i>Proteomics</i> , 2012, 12, 708-721.	2.2	19
53	Homogentisate 1,2 dioxygenase is expressed in human osteoarticular cells: Implications in alkaptonuria. <i>Journal of Cellular Physiology</i> , 2012, 227, 3254-3257.	4.1	48
54	Biochemical and proteomic characterization of alkaptonuric chondrocytes. <i>Journal of Cellular Physiology</i> , 2012, 227, 3333-3343.	4.1	48

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55	Post-genomics of <i>Neisseria meningitidis</i> : an update. <i>Expert Review of Proteomics</i> , 2011, 8, 803-811.	3.0	1
56	Immunoproteomics of <i>Helicobacter pylori</i> infection in patients with atrophic body gastritis, a predisposing condition for gastric cancer. <i>International Journal of Medical Microbiology</i> , 2011, 301, 125-132.	3.6	16
57	Linking protein oxidation to environmental pollutants: Redox proteomic approaches. <i>Journal of Proteomics</i> , 2011, 74, 2324-2337.	2.4	75
58	Surfome analysis of a wild-type wine <i>Saccharomyces cerevisiae</i> strain. <i>Food Microbiology</i> , 2011, 28, 1220-1230.	4.2	22
59	Redox-proteomics of the effects of homogentisic acid in an in vitro human serum model of alkaptonuric ochronosis. <i>Journal of Inherited Metabolic Disease</i> , 2011, 34, 1163-1176.	3.6	42
60	Mapping phosphoproteins in <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2011, 11, 1351-1358.	2.2	10
61	Different Factors Affecting Human ANP Amyloid Aggregation and Their Implications in Congestive Heart Failure. <i>PLoS ONE</i> , 2011, 6, e21870.	2.5	20
62	Extragastric Manifestations of <i>Helicobacter pylori</i> Infection. <i>Helicobacter</i> , 2010, 15, 60-68.	3.5	68
63	Proteomic and redox-proteomic evaluation of homogentisic acid and ascorbic acid effects on human articular chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 922-932.	2.6	50
64	Evaluation of antioxidant drugs for the treatment of ochronotic alkaptonuria in an in vitro human cell model. <i>Journal of Cellular Physiology</i> , 2010, 225, 84-91.	4.1	44
65	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. <i>Proteomics</i> , 2010, 10, 3414-3434.	2.2	64
66	Evaluation of anti-oxidant treatments in an in vitro model of alkaptonuric ochronosis. <i>Rheumatology</i> , 2010, 49, 1975-1983.	1.9	43
67	<i>Helicobacter pylori</i> immunoproteomics in gastric cancer and gastritis of the carcinoma phenotype. <i>Expert Review of Proteomics</i> , 2010, 7, 239-248.	3.0	9
68	Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production. <i>Free Radical Research</i> , 2010, 44, 891-906.	3.3	14
69	Post-Genomics and Skin Inflammation. <i>Mediators of Inflammation</i> , 2010, 2010, 1-12.	3.0	10
70	Biochemical investigation of the effects of human platelet releasates on human articular chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 1153-1165.	2.6	133
71	Identification of new epidemiological molecular markers by comparative proteomics of serogroup A meningococcal isolates from three pandemic waves. <i>Proteomics - Clinical Applications</i> , 2009, 3, 1251-1254.	1.6	2
72	Proteomics and Redox-Proteomics of the Effects of Herbicides on a Wild-Type Wine <i>Saccharomyces cerevisiae</i> Strain. <i>Journal of Proteome Research</i> , 2009, 8, 256-267.	3.7	24

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73	Postgenomics of <i>Neisseria meningitidis</i> : an update. <i>Expert Review of Proteomics</i> , 2009, 6, 135-143.	3.0	8
74	Immunium Ion Scanning for the Discovery of Post-Translational Modifications and Its Application to Histones. <i>Journal of Proteome Research</i> , 2008, 7, 2632-2641.	3.7	33
75	Antiproliferative and proapoptotic activities of new pyrazolo[3,4- <i>d</i>]pyrimidine derivative Src kinase inhibitors in human osteosarcoma cells. <i>FASEB Journal</i> , 2008, 22, 1560-1571.	0.5	60
76	Oxidative Damage Mediated by Herbicides on Yeast Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3836-3845.	5.2	20
77	Postgenomics of <i>Neisseria meningitidis</i> for vaccines development. <i>Expert Review of Proteomics</i> , 2007, 4, 667-677.	3.0	19
78	<i>Helicobacter pylori</i> : immunoproteomics related to different pathologies. <i>Expert Review of Proteomics</i> , 2007, 4, 679-689.	3.0	21
79	Identification of a Novel Pyrazolo[3,4- <i>d</i>]pyrimidine Able To Inhibit Cell Proliferation of a Human Osteogenic Sarcoma in Vitro and in a Xenograft Model in Mice. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5579-5588.	6.4	79
80	The analysis of <i>Neisseria meningitidis</i> proteomes: Reference maps and their applications. <i>Proteomics</i> , 2007, 7, 2933-2946.	2.2	17
81	Novel identification of expressed genes and functional classification of hypothetical proteins from <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2007, 7, 3342-3347.	2.2	8
82	A proteomic study on human osteoblastic cells proliferation and differentiation. <i>Proteomics</i> , 2006, 6, 3520-3532.	2.2	55
83	Comparative proteomics and immunoproteomics of <i>Helicobacter pylori</i> related to different gastric pathologies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 63-79.	2.3	35
84	Western Blotting of Total Lysate of <i>Helicobacter pylori</i> in Cases of Atrophic Body Gastritis. <i>Clinical Chemistry</i> , 2006, 52, 220-226.	3.2	22
85	<i>Helicobacter pylori</i> immunoproteomes in case reports of rosacea and chronic urticaria. <i>Proteomics</i> , 2005, 5, 777-787.	2.2	34
86	Inactivation of <i>Helicobacter pylori</i> <i>cagA</i> Gene Affects Motility. <i>Helicobacter</i> , 2004, 9, 185-193.	3.5	14
87	Proteome analysis of <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2004, 4, 2893-2926.	2.2	57
88	<i>Saccharomyces Cerevisiae</i> as a Tool to Evaluate the Effects of Herbicides on Eukaryotic Life. , 0, , .		1