Giulia Bernardini

List of Publications by Year
in descending order

88	2,475	172457	243625
papers	citations	29 h-index	44 g-index

89	89	89	2666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochemical investigation of the effects of human platelet releasates on human articular chondrocytes. Journal of Cellular Biochemistry, 2009, 108, 1153-1165.	2.6	133
2	Tumor-Associated Macrophages in Osteosarcoma: From Mechanisms to Therapy. International Journal of Molecular Sciences, 2020, 21, 5207.	4.1	119
3	4-Hydroxyphenylpyruvate Dioxygenase and Its Inhibition in Plants and Animals: Small Molecules as Herbicides and Agents for the Treatment of Human Inherited Diseases. Journal of Medicinal Chemistry, 2017, 60, 4101-4125.	6.4	89
4	Identification of a Novel Pyrazolo[3,4-d]pyrimidine Able To Inhibit Cell Proliferation of a Human Osteogenic Sarcoma in Vitro and in a Xenograft Model in Mice. Journal of Medicinal Chemistry, 2007, 50, 5579-5588.	6.4	79
5	Linking protein oxidation to environmental pollutants: Redox proteomic approaches. Journal of Proteomics, 2011, 74, 2324-2337.	2.4	75
6	Extragastric Manifestations of Helicobacter pylori Infection. Helicobacter, 2010, 15, 60-68.	3.5	68
7	Alkaptonuria is a novel human secondary amyloidogenic disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1682-1691.	3.8	65
8	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. Proteomics, 2010, 10, 3414-3434.	2.2	64
9	Antiproliferative and proapoptotic activities of new pyrazolo[3,4â€•d]pyrimidine derivative Src kinase inhibitors in human osteosarcoma cells. FASEB Journal, 2008, 22, 1560-1571.	0.5	60
10	Oxidative stress and mechanisms of ochronosis in alkaptonuria. Free Radical Biology and Medicine, 2015, 88, 70-80.	2.9	60
11	Proteome analysis ofNeisseria meningitidis serogroup A. Proteomics, 2004, 4, 2893-2926.	2.2	57
12	A proteomic study on human osteoblastic cells proliferation and differentiation. Proteomics, 2006, 6, 3520-3532.	2.2	55
13	Foodomics for human health: current status and perspectives. Expert Review of Proteomics, 2018, 15, 153-164.	3.0	52
14	Proteomic and redoxâ€•proteomic evaluation of homogentisic acid and ascorbic acid effects on human articular chondrocytes. Journal of Cellular Biochemistry, 2010, 111, 922-932.	2.6	50
15	Homogentisate 1,2 dioxygenase is expressed in human osteoarticular cells: Implications in alkaptonuria. Journal of Cellular Physiology, 2012, 227, 3254-3257.	4.1	48
16	Biochemical and proteomic characterization of alkaptonuric chondrocytes. Journal of Cellular Physiology, 2012, 227, 3333-3343.	4.1	48
17	CD93 and dystroglycan cooperation in human endothelial cell adhesion and migration. Oncotarget, 2016, 7, 10090-10103.	1.8	47
18	Evaluation of antioxiodant drugs for the treatment of ochronotic alkaptonuria in an in vitro human cell model. Journal of Cellular Physiology, 2010, 225, 84-91.	4.1	44

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19	Antioxidants inhibit SAA formation and pro-inflammatory cytokine release in a human cell model of alkaptonuria. Rheumatology, 2013, 52, 1667-1673.	1.9	44
20	Evaluation of anti-oxidant treatments in an in vitro model of alkaptonuric ochronosis. Rheumatology, 2010, 49, 1975-1983.	1.9	43
21	Amyloidosis, Inflammation, and Oxidative Stress in the Heart of an Alkaptonuric Patient. Mediators of Inflammation, 2014, 2014, 1-12.	3.0	43
22	Redoxâ€proteomics of the effects of homogentisic acid in an in vitro human serum model of alkaptonuric ochronosis. Journal of Inherited Metabolic Disease, 2011, 34, 1163-1176.	3.6	42
23	Saccharomyces cerevisiae as a model in ecotoxicological studies: A post-genomics perspective. Journal of Proteomics, 2016, 137, 19-34.	2.4	41
24	Comparative proteomics and immunoproteomics of Helicobacter pylori related to different gastric pathologiesâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 63-79.	2.3	35
25	Helicobacter pyloriimmunoproteomes in case reports of rosacea and chronic urticaria. Proteomics, 2005, 5, 777-787.	2.2	34
26	Secondary amyloidosis in an alkaptonuric aortic valve. International Journal of Cardiology, 2014, 172, e121-e123.	1.7	34
27	Chondroptosis in Alkaptonuric Cartilage. Journal of Cellular Physiology, 2015, 230, 1148-1157.	4.1	34
28	Amyloidosis in alkaptonuria. Journal of Inherited Metabolic Disease, 2015, 38, 797-805.	3.6	34
29	Immonium Ion Scanning for the Discovery of Post-Translational Modifications and Its Application to Histones. Journal of Proteome Research, 2008, 7, 2632-2641.	3.7	33
30	Diagnosis of secondary amyloidosis in alkaptonuria. Diagnostic Pathology, 2014, 9, 185.	2.0	26
31	Homogentisate 1,2 dioxygenase is expressed in brain: implications in alkaptonuria. Journal of Inherited Metabolic Disease, 2015, 38, 807-814.	3.6	26
32	Pro-Apoptotic Activity of French Polynesian Padina pavonica Extract on Human Osteosarcoma Cells. Marine Drugs, 2018, 16, 504.	4.6	26
33	Proteomics and Redox-Proteomics of the Effects of Herbicides on a Wild-Type WineSaccharomyces cerevisiaeStrain. Journal of Proteome Research, 2009, 8, 256-267.	3.7	24
34	Histological and Ultrastructural Characterization of Alkaptonuric Tissues. Calcified Tissue International, 2017, 101, 50-64.	3.1	24
35	Helicobacter pylori Infection and Autoimmune Thyroid Diseases: The Role of Virulent Strains. Antibiotics, 2020, 9, 12.	3.7	23
36	Western Blotting of Total Lysate of Helicobacter pylori in Cases of Atrophic Body Gastritis. Clinical Chemistry, 2006, 52, 220-226.	3.2	22

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37	Surfome analysis of a wild-type wine Saccharomyces cerevisiae strain. Food Microbiology, 2011, 28, 1220-1230.	4.2	22
38	Inhibition of paraâ€Hydroxyphenylpyruvate Dioxygenase by Analogues of the Herbicide Nitisinone As a Strategy to Decrease Homogentisic Acid Levels, the Causative Agent of Alkaptonuria. ChemMedChem, 2016, 11, 674-678.	3.2	22
39	Helicobacter pylori: immunoproteomics related to different pathologies. Expert Review of Proteomics, 2007, 4, 679-689.	3.0	21
40	Establishment of Four New Human Primary Cell Cultures from Chemo-NaÃ¯ve Italian Osteosarcoma Patients. Journal of Cellular Physiology, 2015, 230, 2718-2727.	4.1	21
41	Machine learning application for development of a data-driven predictive model able to investigate quality of life scores in a rare disease. Orphanet Journal of Rare Diseases, 2020, 15, 46.	2.7	21
42	Oxidative Damage Mediated by Herbicides on Yeast Cells. Journal of Agricultural and Food Chemistry, 2008, 56, 3836-3845.	5.2	20
43	Proteomics and phosphoproteomics provide insights into the mechanism of action of a novel pyrazolo[3,4-d]pyrimidine Src inhibitor in human osteosarcoma. Molecular BioSystems, 2014, 10, 1305.	2.9	20
44	Homogentisic acid induces aggregation and fibrillation of amyloidogenic proteins. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 135-146.	2.4	20
45	Different Factors Affecting Human ANP Amyloid Aggregation and Their Implications in Congestive Heart Failure. PLoS ONE, 2011, 6, e21870.	2.5	20
46	Postgenomics ofNeisseria meningitidisfor vaccines development. Expert Review of Proteomics, 2007, 4, 667-677.	3.0	19
47	Postâ€genomics of bone metabolic dysfunctions and neoplasias. Proteomics, 2012, 12, 708-721.	2.2	19
48	Proteomics of osteosarcoma. Expert Review of Proteomics, 2014, 11, 331-343.	3.0	19
49	Comparative proteomics in alkaptonuria provides insights into inflammation and oxidative stress. International Journal of Biochemistry and Cell Biology, 2016, 81, 271-280.	2.8	19
50	Antimicrobial Efficacy of Five Probiotic Strains Against Helicobacter pylori. Antibiotics, 2020, 9, 244.	3.7	19
51	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 Structureâ€“Activity Relationship Considerations. Journal of Agricultural and Food Chemistry, 2022, 70, 6963-6981.	5.2	19
52	Smoothenedâ€antagonists reverse homogentisic acidâ€induced alterations of Hedgehog signaling and primary cilium length in alkaptonuria. Journal of Cellular Physiology, 2017, 232, 3103-3111.	4.1	18
53	Interactive alkaptonuria database: investigating clinical data to improve patient care in a rare disease. FASEB Journal, 2019, 33, 12696-12703.	0.5	18
54	The analysis of Neisseria meningitidis proteomes: Reference maps and their applications. Proteomics, 2007, 7, 2933-2946.	2.2	17

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55	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. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1000-1008.	2.4	17
56	Novel smoothened antagonists as antiâ€neoplastic agents for the treatment of osteosarcoma. Journal of Cellular Physiology, 2018, 233, 4961-4971.	4.1	17
57	A new integrated and interactive tool applicable to inborn errors of metabolism: Application to alkaptonuria. Computers in Biology and Medicine, 2018, 103, 1-7.	7.0	17
58	Inflammatory and oxidative stress biomarkers in alkaptonuria: data from the DevelopAKUre project. Osteoarthritis and Cartilage, 2018, 26, 1078-1086.	1.3	17
59	Immunoproteomics of Helicobacter pylori infection in patients with atrophic body gastritis, a predisposing condition for gastric cancer. International Journal of Medical Microbiology, 2011, 301, 125-132.	3.6	16
60	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. Computational Biology and Chemistry, 2017, 70, 133-141.	2.3	16
61	Inactivation of Helicobacter pylori cagA Gene Affects Motility. Helicobacter, 2004, 9, 185-193.	3.5	14
62	Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production. Free Radical Research, 2010, 44, 891-906.	3.3	14
63	Cytoskeleton Aberrations in Alkaptonuric Chondrocytes. Journal of Cellular Physiology, 2017, 232, 1728-1738.	4.1	14
64	Prevalence of Isolated Atrial Amyloidosis in Young Patients Affected by Congestive Heart Failure. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	13
65	Human platelet releasates combined with polyglycolic acid scaffold promote chondrocyte differentiation and phenotypic maintenance. Journal of Biosciences, 2015, 40, 61-69.	1.1	13
66	Proteomic Investigation of Dermal Fibroblasts Isolated from Affected and Unaffected Skin Samples from Patients with Limited Cutaneous Systemic Sclerosis: 2 Distinct Entities?. Journal of Rheumatology, 2017, 44, 40-48.	2.0	13
67	Homogentisic acid affects human osteoblastic functionality by oxidative stress and alteration of the Wnt/Î²â€catenin signaling pathway. Journal of Cellular Physiology, 2020, 235, 6808-6816.	4.1	13
68	Application of proteomics to the study ofHelicobacter pyloriand implications for the clinic. Expert Review of Proteomics, 2017, 14, 477-490.	3.0	12
69	Homogentisic acid induces morphological and mechanical aberration of ochronotic cartilage in alkaptonuria. Journal of Cellular Physiology, 2019, 234, 6696-6708.	4.1	11
70	Post-Genomics and Skin Inflammation. Mediators of Inflammation, 2010, 2010, 1-12.	3.0	10
71	Mapping phosphoproteins in Neisseria meningitidis serogroup A. Proteomics, 2011, 11, 1351-1358.	2.2	10
72	Helicobacter pyloriimmunoproteomics in gastric cancer and gastritis of the carcinoma phenotype. Expert Review of Proteomics, 2010, 7, 239-248.	3.0	9

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73	Angiogenesis in alkaptonuria. Journal of Inherited Metabolic Disease, 2016, 39, 801-806.	3.6	9
74	Inhibiting PNP for the therapy of hyperuricemia in Leschâ€“Nyhan disease: Preliminary in vitro studies with analogues of immucillinâ€¢. Journal of Inherited Metabolic Disease, 2019, 42, 178-185.	3.6	9
75	Novel identification of expressed genes and functional classification of hypothetical proteins from Neisseria meningitidis serogroup A. Proteomics, 2007, 7, 3342-3347.	2.2	8
76	Postgenomics ofNeisseria meningitidis: an update. Expert Review of Proteomics, 2009, 6, 135-143.	3.0	8
77	Quick Diagnosis of Alkaptonuria by Homogentisic Acid Determination in Urine Paper Spots. JIMD Reports, 2016, 31, 51-56.	1.5	8
78	Differentially activated Src kinase in chemoâ€•naÃ¨ve human primary osteosarcoma cells and effects of a Src kinase inhibitor. BioFactors, 2017, 43, 801-811.	5.4	8
79	Padina pavonica Extract Promotes In Vitro Differentiation and Functionality of Human Primary Osteoblasts. Marine Drugs, 2019, 17, 473.	4.6	8
80	Beer promotes differentiation and mineralization of human osteoblastic cells: Role of silicon. Journal of Functional Foods, 2019, 54, 109-118.	3.4	3
81	Animal and cell models for Lesch-Nyhan syndrome. Drug Discovery Today: Disease Models, 2020, 31, 45-57.	1.2	3
82	Homogentisic acid induces autophagy alterations leading to chondroptosis in human chondrocytes: Implications in Alkaptonuria. Archives of Biochemistry and Biophysics, 2022, 717, 109137.	3.0	3
83	Identification of new epidemiological molecular markers by comparative proteomics of serogroup A meningococcal isolates from three pandemic waves. Proteomics - Clinical Applications, 2009, 3, 1251-1254.	1.6	2
84	Leveraging proteomics in orphan disease research: pitfalls and potential. Expert Review of Proteomics, 2021, 18, 315-327.	3.0	2
85	Post-genomics ofNeisseria meningitidis: an update. Expert Review of Proteomics, 2011, 8, 803-811.	3.0	1
86	Saccharomyces Cerevisiae as a Tool to Evaluate the Effects of Herbicides on Eukaryotic Life. , 0, , .		1
87	COVID-19, coagulopathy and venous thromboembolism: more questions than answersâ€”comment. Internal and Emergency Medicine, 2021, 16, 525-526.	2.0	1
88	Osteosarcoma Biomarkers Discovery Using â€œOmicsâ€•Approaches. Biomarkers in Disease, 2017, , 23-46.	0.1	0