Daniela Braconi

List of Publications by Year
in descending order

76 papers	1,802 citations	257101 24 h-index	315357 38 g-index
77 all docs	77 docs citations	77 times ranked	1338 citing authors

#	Article	IF	Citations
1	Homogentisic acid induces autophagy alterations leading to chondroptosis in human chondrocytes: Implications in Alkaptonuria. Archives of Biochemistry and Biophysics, 2022, 717, 109137.	1.4	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 Structureâ€“Activity Relationship Considerations. Journal of Agricultural and Food Chemistry, 2022, 70, 6963-6981.	2.4	19
3	Omics-based technologies for food authentication and traceability. , 2021, , 215-245.		2
4	Machine learning application for patient stratification and phenotype/genotype investigation in a rare disease. Briefings in Bioinformatics, 2021, 22, .	3.2	14
5	Leveraging proteomics in orphan disease research: pitfalls and potential. Expert Review of Proteomics, 2021, 18, 315-327.	1.3	2
6	Personalized nutrition and omics technologies. , 2021, , 37-71.		2
7	Omics Perspectives in Food Science. , 2021, , 558-567.		0
8	Homogentisic acid is not only eliminated by glomerular filtration and tubular secretion but also produced in the kidney in alkaptonuria. Journal of Inherited Metabolic Disease, 2020, 43, 737-747.	1.7	18
9	Models of rare diseases. Drug Discovery Today: Disease Models, 2020, 31, 1-2.	1.2	1
10	Cell and tissue models of alkaptonuria. Drug Discovery Today: Disease Models, 2020, 31, 3-10.	1.2	4
11	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.	1.2	21
12	Efficacy and safety of once-daily nitisinone for patients with alkaptonuria (SONIA 2): an international, multicentre, open-label, randomised controlled trial. Lancet Diabetes and Endocrinology,the, 2020, 8, 762-772.	5.5	78
13	An Introduction to Personalized Nutrition. , 2019, , 3-32.		3
14	Interactive alkaptonuria database: investigating clinical data to improve patient care in a rare disease. FASEB Journal, 2019, 33, 12696-12703.	0.2	18
15	Membrane Skeletal Protein S-Glutathionylation in Human Red Blood Cells as Index of Oxidative Stress. Chemical Research in Toxicology, 2019, 32, 1096-1102.	1.7	16
16	Effects of selenium on oxidative damage and antioxidant enzymes of eukaryotic cells: wine Saccharomyces cerevisiae. Journal of Applied Microbiology, 2019, 126, 555-566.	1.4	19
17	Beer promotes differentiation and mineralization of human osteoblastic cells: Role of silicon. Journal of Functional Foods, 2019, 54, 109-118.	1.6	3
18	Homogentisic acid induces morphological and mechanical aberration of ochronotic cartilage in alkaptonuria. Journal of Cellular Physiology, 2019, 234, 6696-6708.	2.0	11

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19	Subclinical ochronosis features in alkaptonuria: a cross-sectional study. BMJ Innovations, 2019, 5, 82-91.	1.0	15
20	Foodomics for human health: current status and perspectives. Expert Review of Proteomics, 2018, 15, 153-164.	1.3	52
21	A new integrated and interactive tool applicable to inborn errors of metabolism: Application to alkaptonuria. Computers in Biology and Medicine, 2018, 103, 1-7.	3.9	17
22	Inflammatory and oxidative stress biomarkers in alkaptonuria: data from the DevelopAKUre project. Osteoarthritis and Cartilage, 2018, 26, 1078-1086.	0.6	17
23	SAT0620â€…Further evidences of secondary amyloidosis in alkaptonuria. , 2018, , .		0
24	Cytoskeleton Aberrations in Alkaptonuric Chondrocytes. Journal of Cellular Physiology, 2017, 232, 1728-1738.	2.0	14
25	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.	2.9	89
26	Histological and Ultrastructural Characterization of Alkaptonuric Tissues. Calcified Tissue International, 2017, 101, 50-64.	1.5	24
27	Smoothenedâ€antagonists reverse homogentisic acidâ€induced alterations of Hedgehog signaling and primary cilium length in alkaptonuria. Journal of Cellular Physiology, 2017, 232, 3103-3111.	2.0	18
28	Homogentisic acid induces aggregation and fibrillation of amyloidogenic proteins. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 135-146.	1.1	20
29	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.	1.6	22
30	Comparative proteomics in alkaptonuria provides insights into inflammation and oxidative stress. International Journal of Biochemistry and Cell Biology, 2016, 81, 271-280.	1.2	19
31	Angiogenesis in alkaptonuria. Journal of Inherited Metabolic Disease, 2016, 39, 801-806.	1.7	9
32	Suitability Of Nitisinone In Alkaptonuria 1 (SONIA 1): an international, multicentre, randomised, open-label, no-treatment controlled, parallel-group, dose-response study to investigate the effect of once daily nitisinone on 24-h urinary homogentisic acid excretion in patients with alkaptonuria after 4â€…weeks of treatment. Annals of the Rheumatic Diseases, 2016, 75, 362-367.	0.5	123
33	Saccharomyces cerevisiae as a model in ecotoxicological studies: A post-genomics perspective. Journal of Proteomics, 2016, 137, 19-34.	1.2	41
34	THU0541â€…Amyloidosis in Alkaptonuria in a Cohort of Italian Patients. Annals of the Rheumatic Diseases, 2015, 74, 396.1-396.	0.5	0
35	PARE0010â€…Alkaptonuria: An Old Disorder with a Late Diagnosis. Annals of the Rheumatic Diseases, 2015, 74, 1361.2-1361.	0.5	0
36	Establishment of Four New Human Primary Cell Cultures from Chemo-NaÃ¯ve Italian Osteosarcoma Patients. Journal of Cellular Physiology, 2015, 230, 2718-2727.	2.0	21

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37	Homogentisate 1,2 dioxygenase is expressed in brain: implications in alkaptonuria. Journal of Inherited Metabolic Disease, 2015, 38, 807-814.	1.7	26
38	Chondroptosis in Alkaptonuric Cartilage. Journal of Cellular Physiology, 2015, 230, 1148-1157.	2.0	34
39	Amyloidosis in alkaptonuria. Journal of Inherited Metabolic Disease, 2015, 38, 797-805.	1.7	34
40	Oxidative stress and mechanisms of ochronosis in alkaptonuria. Free Radical Biology and Medicine, 2015, 88, 70-80.	1.3	60
41	Diagnosis of secondary amyloidosis in alkaptonuria. Diagnostic Pathology, 2014, 9, 185.	0.9	26
42	Amyloidosis, Inflammation, and Oxidative Stress in the Heart of an Alkaptonuric Patient. Mediators of Inflammation, 2014, 2014, 1-12.	1.4	43
43	Secondary amyloidosis in an alkaptonuric aortic valve. International Journal of Cardiology, 2014, 172, e121-e123.	0.8	34
44	Antioxidants inhibit SAA formation and pro-inflammatory cytokine release in a human cell model of alkaptonuria. Rheumatology, 2013, 52, 1667-1673.	0.9	44
45	Redox proteomics gives insights into the role of oxidative stress in alkaptonuria. Expert Review of Proteomics, 2013, 10, 521-535.	1.3	23
46	Supportive use of cyclodextrins as decontamination agents for herbicides: the case of fenoxapropâ€pâ€ethyl. Asia-Pacific Journal of Chemical Engineering, 2012, 7, S342.	0.8	0
47	Alkaptonuria is a novel human secondary amyloidogenic disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1682-1691.	1.8	65
48	Prevalence of Isolated Atrial Amyloidosis in Young Patients Affected by Congestive Heart Failure. Scientific World Journal, The, 2012, 2012, 1-8.	0.8	13
49	Postâ€genomics of bone metabolic dysfunctions and neoplasias. Proteomics, 2012, 12, 708-721.	1.3	19
50	Homogentisate 1,2 dioxygenase is expressed in human osteoarticular cells: Implications in alkaptonuria. Journal of Cellular Physiology, 2012, 227, 3254-3257.	2.0	48
51	Biochemical and proteomic characterization of alkaptonuric chondrocytes. Journal of Cellular Physiology, 2012, 227, 3333-3343.	2.0	48
52	Post-genomics ofNeisseria meningitidis: an update. Expert Review of Proteomics, 2011, 8, 803-811.	1.3	1
53	Linking protein oxidation to environmental pollutants: Redox proteomic approaches. Journal of Proteomics, 2011, 74, 2324-2337.	1.2	75
54	Surfome analysis of a wild-type wine Saccharomyces cerevisiae strain. Food Microbiology, 2011, 28, 1220-1230.	2.1	22

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55	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.	1.7	42
56	In vivo NMR study of yeast fermentative metabolism in the presence of ferric irons. Journal of Biosciences, 2011, 36, 97-103.	0.5	1
57	Mapping phosphoproteins in Neisseria meningitidis serogroup A. Proteomics, 2011, 11, 1351-1358.	1.3	10
58	Different Factors Affecting Human ANP Amyloid Aggregation and Their Implications in Congestive Heart Failure. PLoS ONE, 2011, 6, e21870.	1.1	20
59	Proteomic and redoxâ€proteomic evaluation of homogentisic acid and ascorbic acid effects on human articular chondrocytes. Journal of Cellular Biochemistry, 2010, 111, 922-932.	1.2	50
60	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.	2.0	44
61	Evaluation of anti-oxidant treatments in an in vitro model of alkaptonuric ochronosis. Rheumatology, 2010, 49, 1975-1983.	0.9	43
62	Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production. Free Radical Research, 2010, 44, 891-906.	1.5	14
63	Post-Genomics and Skin Inflammation. Mediators of Inflammation, 2010, 2010, 1-12.	1.4	10
64	Proteomics and Redox-Proteomics of the Effects of Herbicides on a Wild-Type WineSaccharomyces cerevisiaeStrain. Journal of Proteome Research, 2009, 8, 256-267.	1.8	24
65	Postgenomics ofNeisseria meningitidis: an update. Expert Review of Proteomics, 2009, 6, 135-143.	1.3	8
66	Antibacterial Activity of Grape Extracts oncagA-Positive and -NegativeHelicobacter pyloriClinical Isolates. Journal of Chemotherapy, 2009, 21, 507-513.	0.7	16
67	Oxidative Damage Mediated by Herbicides on Yeast Cells. Journal of Agricultural and Food Chemistry, 2008, 56, 3836-3845.	2.4	20
68	Postgenomics ofNeisseria meningitidisfor vaccines development. Expert Review of Proteomics, 2007, 4, 667-677.	1.3	19
69	Helicobacter pylori: immunoproteomics related to different pathologies. Expert Review of Proteomics, 2007, 4, 679-689.	1.3	21
70	The analysis of Neisseria meningitidis proteomes: Reference maps and their applications. Proteomics, 2007, 7, 2933-2946.	1.3	17
71	Novel identification of expressed genes and functional classification of hypothetical proteins from Neisseria meningitidis serogroup A. Proteomics, 2007, 7, 3342-3347.	1.3	8
72	Comparative Analysis of the Effects of Locally Used Herbicides and Their Active Ingredients on a Wild-Type WineSaccharomyces cerevisiaeStrain. Journal of Agricultural and Food Chemistry, 2006, 54, 3163-3172.	2.4	32

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73	Metabolic response to exogenous ethanol in yeast: An in vivo NMR and mathematical modelling approach. Biophysical Chemistry, 2006, 120, 135-142.	1.5	15
74	Wild-type wine Saccharomyces cerevisiae as a tool to evaluate the effects on eukaryotic life of locally used herbicides. International Journal of Ecodynamics, 2006, 1, 266-283.	0.4	3
75	Helicobacter pyloriimmunoproteomes in case reports of rosacea and chronic urticaria. Proteomics, 2005, 5, 777-787.	1.3	34
76	Saccharomyces Cerevisiae as a Tool to Evaluate the Effects of Herbicides on Eukaryotic Life. , 0, , .		1