

Magda Gioia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41 papers	1,275 citations	18 h-index	35 g-index
41 ext. papers	1,455 ext. citations	5.7 avg, IF	3.91 L-index

#	Paper	IF	Citations
41	Kinetic inequivalence between α and β subunits of ligand dissociation from ferrous nitrosylated human haptoglobin:hemoglobin complexes. A comparison with O and CO dissociation. <i>Journal of Inorganic Biochemistry</i> , 2021 , 214, 111272	4.2	
40	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. <i>Cells</i> , 2021 , 10,	7.9	2
39	Role of proteolytic enzymes in the COVID-19 infection and promising therapeutic approaches. <i>Biochemical Pharmacology</i> , 2020 , 182, 114225	6	40
38	Fluoride and azide binding to ferric human hemoglobin:haptoglobin complexes highlights the ligand-dependent inequivalence of the α and β hemoglobin chains. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 247-255	3.7	5
37	Reductive nitrosylation of ferric human hemoglobin bound to human haptoglobin 1-1 and 2-2. <i>Journal of Biological Inorganic Chemistry</i> , 2018 , 23, 437-445	3.7	12
36	Simulated microgravity induces a cellular regression of the mature phenotype in primary osteoblasts. <i>Cell Death Discovery</i> , 2018 , 4, 59	6.9	12
35	The enzymatic processing of Edystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. <i>PLoS ONE</i> , 2018 , 13, e0192651	3.7	2
34	Multiple functions of insulin-degrading enzyme: a metabolic crosslight?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017 , 52, 554-582	8.7	49
33	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 63-75	4.2	4
32	Effects of microgravity on osteoblast mitochondria: a proteomic and metabolomics profile. <i>Scientific Reports</i> , 2017 , 7, 15376	4.9	28
31	Enzyme catalysis: the case of the prostate-specific antigen. <i>Rendiconti Lincei</i> , 2017 , 28, 229-237	1.7	2
30	Edystroglycan is a potential target of matrix metalloproteinase MMP-2. <i>Matrix Biology</i> , 2015 , 41, 2-7	11.4	9
29	Ligand binding to the FA3-FA4 cleft inhibits the esterase-like activity of human serum albumin. <i>PLoS ONE</i> , 2015 , 10, e0120603	3.7	7
28	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. <i>PLoS ONE</i> , 2015 , 10, e0132455	3.7	20
27	Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0141270	3.7	15
26	Characterization of the prostate-specific antigen (PSA) catalytic mechanism: a pre-steady-state and steady-state study. <i>PLoS ONE</i> , 2014 , 9, e102470	3.7	6
25	Role of metalloproteinases in tendon pathophysiology. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 978-87	3.2	9

24	Non-covalent and covalent modifications modulate the reactivity of monomeric mammalian globins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1750-6	4	26
23	Enzymatic processing by MMP-2 and MMP-9 of wild-type and mutated mouse E-dystroglycan. <i>IUBMB Life</i> , 2012 , 64, 988-94	4.7	16
22	Human matrix metalloproteinases: an ubiquitarian class of enzymes involved in several pathological processes. <i>Molecular Aspects of Medicine</i> , 2012 , 33, 119-208	16.7	157
21	Pseudo-enzymatic hydrolysis of 4-nitrophenyl acetate by human serum albumin: pH-dependence of rates of individual steps. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 451-5	3.4	15
20	Functional characterization of the Mycobacterium tuberculosis zinc metallopeptidase Zmp1 and identification of potential substrates. <i>Biological Chemistry</i> , 2012 , 393, 631-40	4.5	20
19	The collagenolytic action of MMP-1 is regulated by the interaction between the catalytic domain and the hinge region. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 663-72	3.7	15
18	Identifying and quantifying proteolytic events and the natural N terminome by terminal amine isotopic labeling of substrates. <i>Nature Protocols</i> , 2011 , 6, 1578-611	18.8	221
17	O ₂ -mediated oxidation of ferrous nitrosylated human serum heme-albumin is limited by nitrogen monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 406, 112-6	3.4	10
16	A statistics-based platform for quantitative N-terminome analysis and identification of protease cleavage products. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 912-27	7.6	63
15	pH dependence of the enzymatic processing of collagen I by MMP-1 (fibroblast collagenase), MMP-2 (gelatinase A), and MMP-14 ectodomain. <i>Journal of Biological Inorganic Chemistry</i> , 2010 , 15, 1219-32	3.7	26
14	Enzymatic processing of beta-dystroglycan recombinant ectodomain by MMP-9: identification of the main cleavage site. <i>IUBMB Life</i> , 2009 , 61, 1143-52	4.7	18
13	Reversible two-step unfolding of heme-human serum albumin: a (1)H-NMR relaxometric and circular dichroism study. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 209-17	3.7	17
12	Somatostatin: a novel substrate and a modulator of insulin-degrading enzyme activity. <i>Journal of Molecular Biology</i> , 2009 , 385, 1556-67	6.5	57
11	The collagen binding domain of gelatinase A modulates degradation of collagen IV by gelatinase B. <i>Journal of Molecular Biology</i> , 2009 , 386, 419-34	6.5	39
10	Cell-based identification of natural substrates and cleavage sites for extracellular proteases by SILAC proteomics. <i>Methods in Molecular Biology</i> , 2009 , 539, 131-53	1.4	17
9	Structural bases for substrate and inhibitor recognition by matrix metalloproteinases. <i>Current Medicinal Chemistry</i> , 2008 , 15, 2192-222	4.3	73
8	Modulation of the proteolytic activity of matrix metalloproteinase-2 (gelatinase A) on fibrinogen. <i>Biochemical Journal</i> , 2007 , 402, 503-13	3.8	29
7	Characterization of the mechanisms by which gelatinase A, neutrophil collagenase, and membrane-type metalloproteinase MMP-14 recognize collagen I and enzymatically process the two alpha-chains. <i>Journal of Molecular Biology</i> , 2007 , 368, 1101-13	6.5	62

6	Effects of a natural extract from <i>Mangifera indica</i> L, and its active compound, mangiferin, on energy state and lipid peroxidation of red blood cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 1333-42	4	60
5	Enzymatic processing of collagen IV by MMP-2 (gelatinase A) affects neutrophil migration and it is modulated by extracatalytic domains. <i>Protein Science</i> , 2006 , 15, 2805-15	6.3	54
4	Proton-linked subunit heterogeneity in ferrous nitrosylated human adult hemoglobin: an EPR study. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 1255-9	4.2	4
3	Effect of axial coordination on the kinetics of assembly and folding of the two halves of horse heart cytochrome C. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52860-8	5.4	3
2	Aluminum modulation of proteolytic activities. <i>Coordination Chemistry Reviews</i> , 2002 , 228, 263-269	23.2	12
1	Modulation of the catalytic activity of neutrophil collagenase MMP-8 on bovine collagen I. Role of the activation cleavage and of the hemopexin-like domain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23123-30	5.4	39