Magda Gioia

List of Publications by Citations

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	Identifying and quantifying proteolytic events and the natural N terminome by terminal amine isotopic labeling of substrates. *Nature Protocols*, **2011**, 6, 1578-611	18.8	221
40	Human matrix metalloproteinases: an ubiquitarian class of enzymes involved in several pathological processes. *Molecular Aspects of Medicine*, **2012**, 33, 119-208	16.7	157
39	Structural bases for substrate and inhibitor recognition by matrix metalloproteinases. *Current Medicinal Chemistry*, **2008**, 15, 2192-222	4.3	73
38	A statistics-based platform for quantitative N-terminome analysis and identification of protease cleavage products. *Molecular and Cellular Proteomics*, **2010**, 9, 912-27	7.6	63
37	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. *Journal of Molecular Biology*, **2007**, 368, 1101-13	6.5	62
36	Effects of a natural extract from Mangifera indica L, and its active compound, mangiferin, on energy state and lipid peroxidation of red blood cells. *Biochimica Et Biophysica Acta - General Subjects*, **2006**, 1760, 1333-42	4	60
35	Somatostatin: a novel substrate and a modulator of insulin-degrading enzyme activity. *Journal of Molecular Biology*, **2009**, 385, 1556-67	6.5	57
34	Enzymatic processing of collagen IV by MMP-2 (gelatinase A) affects neutrophil migration and it is modulated by extracatalytic domains. *Protein Science*, **2006**, 15, 2805-15	6.3	54
33	Multiple functions of insulin-degrading enzyme: a metabolic crosslight?. *Critical Reviews in Biochemistry and Molecular Biology*, **2017**, 52, 554-582	8.7	49
32	Role of proteolytic enzymes in the COVID-19 infection and promising therapeutic approaches. *Biochemical Pharmacology*, **2020**, 182, 114225	6	40
31	The collagen binding domain of gelatinase A modulates degradation of collagen IV by gelatinase B. *Journal of Molecular Biology*, **2009**, 386, 419-34	6.5	39
30	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. *Journal of Biological Chemistry*, **2002**, 277, 23123-30	5.4	39
29	Modulation of the proteolytic activity of matrix metalloproteinase-2 (gelatinase A) on fibrinogen. *Biochemical Journal*, **2007**, 402, 503-13	3.8	29
28	Effects of microgravity on osteoblast mitochondria: a proteomic and metabolomics profile. *Scientific Reports*, **2017**, 7, 15376	4.9	28
27	Non-covalent and covalent modifications modulate the reactivity of monomeric mammalian globins. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2013**, 1834, 1750-6	4	26
26	pH dependence of the enzymatic processing of collagen I by MMP-1 (fibroblast collagenase), MMP-2 (gelatinase A), and MMP-14 ectodomain. *Journal of Biological Inorganic Chemistry*, **2010**, 15, 1219-32	3.7	26
25	Functional characterization of the Mycobacterium tuberculosis zinc metallopeptidase Zmp1 and identification of potential substrates. *Biological Chemistry*, **2012**, 393, 631-40	4.5	20

24	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. *PLoS ONE*, **2015**, 10, e0132455	3.7	20
23	Enzymatic processing of beta-dystroglycan recombinant ectodomain by MMP-9: identification of the main cleavage site. *IUBMB Life*, **2009**, 61, 1143-52	4.7	18
22	Reversible two-step unfolding of heme-human serum albumin: a (1)H-NMR relaxometric and circular dichroism study. *Journal of Biological Inorganic Chemistry*, **2009**, 14, 209-17	3.7	17
21	Cell-based identification of natural substrates and cleavage sites for extracellular proteases by SILAC proteomics. *Methods in Molecular Biology*, **2009**, 539, 131-53	1.4	17
20	Enzymatic processing by MMP-2 and MMP-9 of wild-type and mutated mouse □dystroglycan. *IUBMB Life*, **2012**, 64, 988-94	4.7	16
19	Pseudo-enzymatic hydrolysis of 4-nitrophenyl acetate by human serum albumin: pH-dependence of rates of individual steps. *Biochemical and Biophysical Research Communications*, **2012**, 424, 451-5	3.4	15
18	The collagenolytic action of MMP-1 is regulated by the interaction between the catalytic domain and the hinge region. *Journal of Biological Inorganic Chemistry*, **2012**, 17, 663-72	3.7	15
17	Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. *PLoS ONE*, **2015**, 10, e0141270	3.7	15
16	Reductive nitrosylation of ferric human hemoglobin bound to human haptoglobin 1-1 and 2-2. *Journal of Biological Inorganic Chemistry*, **2018**, 23, 437-445	3.7	12
15	Simulated microgravity induces a cellular regression of the mature phenotype in primary osteoblasts. *Cell Death Discovery*, **2018**, 4, 59	6.9	12
14	Aluminum modulation of proteolytic activities. *Coordination Chemistry Reviews*, **2002**, 228, 263-269	23.2	12
13	O2-mediated oxidation of ferrous nitrosylated human serum heme-albumin is limited by nitrogen monoxide dissociation. *Biochemical and Biophysical Research Communications*, **2011**, 406, 112-6	3.4	10
12	□dystroglycan is a potential target of matrix metalloproteinase MMP-2. *Matrix Biology*, **2015**, 41, 2-7	11.4	9
11	Role of metalloproteinases in tendon pathophysiology. *Mini-Reviews in Medicinal Chemistry*, **2014**, 14, 978-87	3.2	9
10	Ligand binding to the FA3-FA4 cleft inhibits the esterase-like activity of human serum albumin. *PLoS ONE*, **2015**, 10, e0120603	3.7	7
9	Characterization of the prostate-specific antigen (PSA) catalytic mechanism: a pre-steady-state and steady-state study. *PLoS ONE*, **2014**, 9, e102470	3.7	6
8	Fluoride and azide binding to ferric human hemoglobin:haptoglobin complexes highlights the ligand-dependent inequivalence of the □and □hemoglobin chains. *Journal of Biological Inorganic Chemistry*, **2019**, 24, 247-255	3.7	5
7	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. *Journal of Inorganic Biochemistry*, **2017**, 177, 63-75	4.2	4

6	Proton-linked subunit heterogeneity in ferrous nitrosylated human adult hemoglobin: an EPR study. *Journal of Inorganic Biochemistry*, **2005**, 99, 1255-9	4.2	4
5	Effect of axial coordination on the kinetics of assembly and folding of the two halves of horse heart cytochrome C. *Journal of Biological Chemistry*, **2004**, 279, 52860-8	5.4	3
4	The enzymatic processing of □-dystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. *PLoS ONE*, **2018**, 13, e0192651	3.7	2
3	Enzyme catalysis: the case of the prostate-specific antigen. *Rendiconti Lincei*, **2017**, 28, 229-237	1.7	2
2	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. *Cells*, **2021**, 10,	7.9	2
1	Kinetic inequivalence between □ and □ subunits of ligand dissociation from ferrous nitrosylated human haptoglobin:hemoglobin complexes. A comparison with O and CO dissociation. *Journal of Inorganic Biochemistry*, **2021**, 214, 111272	4.2	