Gaetano Malgieri

List of Publications by Citations

55 papers	1,090 citations	22 h-index	30 g-index
58 ext. papers	1,275 ext. citations	5.2 avg, IF	3.88 L-index

#	Paper	IF	Citations
55	Investigating the inclusion properties of aromatic amino acids complexing beta-cyclodextrins in model peptides. *Amino Acids*, **2015**, 47, 2215-27	3.5	61
54	Structural effects of Parkinson's disease linked DJ-1 mutations. *Protein Science*, **2008**, 17, 855-68	6.3	57
53	The inorganic perspective of nerve growth factor: interactions of Cu2+ and Zn2+ with the N-terminus fragment of nerve growth factor encompassing the recognition domain of the TrkA receptor. *Chemistry - A European Journal*, **2011**, 17, 3726-38	4.8	46
52	Design, structural and functional characterization of a Temporin-1b analog active against Gram-negative bacteria. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 3767-75	4	43
51	The structural role of the zinc ion can be dispensable in prokaryotic zinc-finger domains. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 6933-8	11.5	42
50	The prokaryotic Cys2His2 zinc-finger adopts a novel fold as revealed by the NMR structure of Agrobacterium tumefaciens Ros DNA-binding domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17341-6	11.5	40
49	The prokaryotic zinc-finger: structure, function and comparison with the eukaryotic counterpart. *FEBS Journal*, **2015**, 282, 4480-96	5.7	39
48	Structural basis of a temporin 1b analogue antimicrobial activity against Gram negative bacteria determined by CD and NMR techniques in cellular environment. *ACS Chemical Biology*, **2015**, 10, 965-9	4.9	37
47	-Cyclodextrin inclusion complex to improve physicochemical properties of pipemidic acid: characterization and bioactivity evaluation. *International Journal of Molecular Sciences*, **2013**, 14, 13022-41	6.3	36
46	Structural Zn(II) implies a switch from fully cooperative to partly downhill folding in highly homologous proteins. *Journal of the American Chemical Society*, **2013**, 135, 5220-8	16.4	35
45	Zinc to cadmium replacement in the A. thaliana SUPERMAN Cys-His-zinc finger induces structural rearrangements of typical DNA base determinant positions. *Biopolymers*, **2011**, 95, 801-10	2.2	35
44	-Sulphate PNA (PNA S): highly selective DNA binding molecule showing promising antigene activity. *PLoS ONE*, **2012**, 7, e35774	3.7	33
43	Zinc to cadmium replacement in the prokaryotic zinc-finger domain. *Metallomics*, **2014**, 6, 96-104	4.5	31
42	Structure and orientation of the gH625-644 membrane interacting region of herpes simplex virus type 1 in a membrane mimetic system. *Biochemistry*, **2012**, 51, 3121-8	3.2	31
41	A novel type of zinc finger DNA binding domain in the Agrobacterium tumefaciens transcriptional regulator Ros. *Biochemistry*, **2006**, 45, 10394-405	3.2	30
40	Zinc(II) complexes of ubiquitin: speciation, affinity and binding features. *Chemistry - A European Journal*, **2011**, 17, 11596-603	4.8	29
39	Ubiquitin binds the amyloid -peptide and interferes with its clearance pathways. *Chemical Science*, **2019**, 10, 2732-2742	9.4	26

38	Alpha- and Beta-Cyclodextrin Inclusion Complexes with 5-Fluorouracil: Characterization and Cytotoxic Activity Evaluation. *Molecules*, **2016**, 21,	4.8	26
37	Cyclodextrins as Complexing Agents: Preparation and Applications. *Current Organic Chemistry*, **2016**, 21, 162-176	1.7	25
36	The clearance of misfolded proteins in neurodegenerative diseases by zinc metalloproteases: An inorganic perspective. *Coordination Chemistry Reviews*, **2014**, 260, 139-155	23.2	24
35	Physicochemical characterization and cytotoxic activity evaluation of hydroxymethylferrocene:□cyclodextrin inclusion complex. *Molecules*, **2012**, 17, 6056-70	4.8	24
34	Cullin3-BTB interface: a novel target for stapled peptides. *PLoS ONE*, **2015**, 10, e0121149	3.7	23
33	Zinc(II) interactions with brain-derived neurotrophic factor N-terminal peptide fragments: inorganic features and biological perspectives. *Inorganic Chemistry*, **2013**, 52, 11075-83	5.1	22
32	Deciphering the zinc coordination properties of the prokaryotic zinc finger domain: The solution structure characterization of Ros87 H42A functional mutant. *Journal of Inorganic Biochemistry*, **2014**, 131, 30-6	4.2	21
31	A Combined NMR and Computational Approach to Determine the RGDechi-hCit-□□ Integrin Recognition Mode in Isolated Cell Membranes. *Chemistry - A European Journal*, **2016**, 22, 681-93	4.8	19
30	The insulin degrading enzyme activates ubiquitin and promotes the formation of K48 and K63 diubiquitin. *Chemical Communications*, **2015**, 51, 15724-7	5.8	18
29	An experimentally tested scenario for the structural evolution of eukaryotic Cys2His2 zinc fingers from eubacterial ros homologs. *Molecular Biology and Evolution*, **2013**, 30, 1504-13	8.3	18
28	Towards understanding the molecular recognition process in prokaryotic zinc-finger domain. *European Journal of Medicinal Chemistry*, **2015**, 91, 100-8	6.8	16
27	Molecular strategies to replace the structural metal site in the prokaryotic zinc finger domain. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2014**, 1844, 497-504	4	16
26	The (unusual) aspartic acid in the metal coordination sphere of the prokaryotic zinc finger domain. *Journal of Inorganic Biochemistry*, **2016**, 161, 91-8	4.2	15
25	A novel synthetic strategy for monosubstituted cyclodextrin derivatives. *Chemical Communications*, **2012**, 48, 3875-7	5.8	14
24	Folding mechanisms steer the amyloid fibril formation propensity of highly homologous proteins. *Chemical Science*, **2018**, 9, 3290-3298	9.4	13
23	NMR Structure and Dynamics of the Resuscitation Promoting Factor RpfC Catalytic Domain. *PLoS ONE*, **2015**, 10, e0142807	3.7	12
22	Co(II) Coordination in Prokaryotic Zinc Finger Domains as Revealed by UV-Vis Spectroscopy. *Bioinorganic Chemistry and Applications*, **2017**, 2017, 1527247	4.2	11
21	NMR assignments of the DNA binding domain of Ml4 protein from Mesorhizobium loti. *Biomolecular NMR Assignments*, **2010**, 4, 55-7	0.7	11

20	MucR binds multiple target sites in the promoter of its own gene and is a heat-stable protein: Is MucR a H-NS-like protein?. *FEBS Open Bio*, **2018**, 8, 711-718	2.7	9
19	Ni(II), Hg(II), and Pb(II) Coordination in the Prokaryotic Zinc-Finger Ros87. *Inorganic Chemistry*, **2019**, 58, 1067-1080	5.1	9
18	Identifying the region responsible for Brucella abortus MucR higher-order oligomer formation and examining its role in gene regulation. *Scientific Reports*, **2018**, 8, 17238	4.9	9
17	Molecular basis of the PED/PEA15 interaction with the C-terminal fragment of phospholipase D1 revealed by NMR spectroscopy. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2013**, 1834, 1572-80	4	8
16	Ml proteins from Mesorhizobium loti and MucR from Brucella abortus: an AT-rich core DNA-target site and oligomerization ability. *Scientific Reports*, **2017**, 7, 15805	4.9	8
15	Synthesis and biological properties of caffeic acid-PNA dimers containing guanine. *Molecules*, **2013**, 18, 9147-62	4.8	8
14	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from Amyloid Toxicity. *ChemMedChem*, **2020**, 15, 302-316	3.7	8
13	Polypseudorotaxanes of Pluronic F127 with Combinations of and Cyclodextrins for Topical Formulation of Acyclovir. *Nanomaterials*, **2020**, 10,	5.4	7
12	Nociceptin reduces the inflammatory immune microenvironment in a conventional murine model of airway hyperresponsiveness. *Clinical and Experimental Allergy*, **2017**, 47, 208-216	4.1	6
11	Probing the residual structure in avian prion hexarepeats by CD, NMR and MD techniques. *Molecules*, **2013**, 18, 11467-84	4.8	6
10	Structural Characterization of the FlmC Protein Involved in Biofilm Formation. *Molecules*, **2018**, 23,	4.8	6
9	Zinc Fingers. *Metal Ions in Life Sciences*, **2020**, 20,	2.6	5
8	fac-[Re(H2O)3(CO)3]+ Complexed with Histidine and Imidazole in Aqueous Solution: Speciation, Affinity and Binding Features. *ChemistrySelect*, **2016**, 1, 3739-3744	1.8	5
7	Deciphering RGDechi peptide-51 integrin interaction mode in isolated cell membranes. *Peptide Science*, **2018**, 110, e24065	3	4
6	Ubiquitin Associates with the N-Terminal Domain of Nerve Growth Factor: The Role of Copper(II) Ions. *Chemistry - A European Journal*, **2016**, 22, 17767-17775	4.8	4
5	Structural Insight of the Full-Length Ros Protein: A Prototype of the Prokaryotic Zinc-Finger Family. *Scientific Reports*, **2020**, 10, 9283	4.9	3
4	Substitution of the Native Zn(II) with Cd(II), Co(II) and Ni(II) Changes the Downhill Unfolding Mechanism of Ros87 to a Completely Different Scenario. *International Journal of Molecular Sciences* , **2020**, 21,	6.3	3
3	The curious case of opossum prion: a physicochemical study on copper(ii) binding to the bis-decarepeat fragment from the protein N-terminal domain. *Dalton Transactions*, **2019**, 48, 17533-17543	4.3	2

2	Coordination of a bis-histidine-oligopeptide to Re(i) and Ga(iii) in aqueous solution. *Dalton Transactions*, **2019**, 48, 15184-15191	4.3	1
1	The change of conditions does not affect Ros87 downhill folding mechanism. *Scientific Reports*, **2020**, 10, 21067	4.9	0