

Ornella Maglio

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.

62 papers	1,809 citations	25 h-index	40 g-index
69 ext. papers	1,996 ext. citations	5.7 avg, IF	4.3 L-index

#	Paper	IF	Citations
62	Highly Selective Indole Oxidation Catalyzed by a Mn-Containing Artificial Mini-Enzyme. <i>ACS Catalysis</i> , 2021 , 11, 9407-9417	13.1	7
61	Histidine orientation in artificial peroxidase regioisomers as determined by paramagnetic NMR shifts. <i>Chemical Communications</i> , 2021 , 57, 990-993	5.8	5
60	Clickable artificial heme-peroxidases for the development of functional nanomaterials. <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 549-562	2.8	6
59	Mimochrome, a metalloporphyrin-based catalytic Swiss knife. <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 495-515	2.8	16
58	De Novo Design of Four-Helix Bundle Metalloproteins: One Scaffold, Diverse Reactivities. <i>Accounts of Chemical Research</i> , 2019 , 52, 1148-1159	24.3	66
57	Oxidation catalysis by iron and manganese porphyrins within enzyme-like cages. <i>Biopolymers</i> , 2018 , 109, e23107	2.2	25
56	Unveiling the structure of a novel artificial heme-enzyme with peroxidase-like activity: A theoretical investigation. <i>Biopolymers</i> , 2018 , 109, e23225	2.2	11
55	Enhancement of Peroxidase Activity in Artificial Mimochrome VI Catalysts through Rational Design. <i>ChemBioChem</i> , 2018 , 19, 1823-1826	3.8	27
54	Mn-Mimochrome VIa: An Artificial Metalloenzyme With Peroxygenase Activity. <i>Frontiers in Chemistry</i> , 2018 , 6, 590	5	18
53	Fluorescent peptide dH3w: A sensor for environmental monitoring of mercury (II). <i>PLoS ONE</i> , 2018 , 13, e0204164	3.7	8
52	Artificial Heme Enzymes for the Construction of Gold-Based Biomaterials. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
51	Spectroscopic and metal binding properties of a de novo metalloprotein binding a tetrazinc cluster. <i>Biopolymers</i> , 2018 , 109, e23339	2.2	11
50	A De Novo Heterodimeric Due Ferri Protein Minimizes the Release of Reactive Intermediates in Dioxygen-Dependent Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15580-15583	16.4	25
49	A De Novo Heterodimeric Due Ferri Protein Minimizes the Release of Reactive Intermediates in Dioxygen-Dependent Oxidation. <i>Angewandte Chemie</i> , 2017 , 129, 15786-15786	3.6	3
48	Nano-in-Nano Approach for Enzyme Immobilization Based on Block Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29318-29327	9.5	18
47	A Quartz Crystal Microbalance Immunosensor for Stem Cell Selection and Extraction. <i>Sensors</i> , 2017 , 17,	3.8	14
46	Designing Covalently Linked Heterodimeric Four-Helix Bundles. <i>Methods in Enzymology</i> , 2016 , 580, 471-997		15

45	Design and engineering of artificial oxygen-activating metalloenzymes. <i>Chemical Society Reviews</i> , 2016 , 45, 5020-54	58.5	128
44	An artificial heme-enzyme with enhanced catalytic activity: evolution, functional screening and structural characterization. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4859-68	3.9	31
43	Branched porphyrins as functional scaffolds for multisite bioconjugation. <i>Biotechnology and Applied Biochemistry</i> , 2015 , 62, 383-92	2.8	3
42	Artificial Diiron Enzymes with a De Novo Designed Four-Helix Bundle Structure. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3371-3390	2.3	50
41	UPARANT: a urokinase receptor-derived peptide inhibitor of VEGF-driven angiogenesis with enhanced stability and in vitro and in vivo potency. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 1092-104	6.1	35
40	Artificial heme-proteins: determination of axial ligand orientations through paramagnetic NMR shifts. <i>Chemical Communications</i> , 2014 , 50, 3852-5	5.8	14
39	DE NOVO Design of Protein Cages to Accommodate Metal Cofactors 2013 , 43-85		3
38	De novo design, synthesis and characterisation of MP3, a new catalytic four-helix bundle hemeprotein. <i>Chemistry - A European Journal</i> , 2012 , 18, 15960-71	4.8	28
37	A heme-peptide metalloenzyme mimetic with natural peroxidase-like activity. <i>Chemistry - A European Journal</i> , 2011 , 17, 4444-53	4.8	62
36	Molecular engineering of RANTES peptide mimetics with potent anti-HIV-1 activity. <i>FASEB Journal</i> , 2011 , 25, 1230-43	0.9	16
35	Spectroscopic and metal-binding properties of DF3: an artificial protein able to accommodate different metal ions. <i>Journal of Biological Inorganic Chemistry</i> , 2010 , 15, 717-28	3.7	24
34	Structure-based design of an urokinase-type plasminogen activator receptor-derived peptide inhibiting cell migration and lung metastasis. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 2708-17	6.1	45
33	An artificial di-iron oxo-protein with phenol oxidase activity. <i>Nature Chemical Biology</i> , 2009 , 5, 882-4	11.7	152
32	An urokinase receptor antagonist that inhibits cell migration by blocking the formyl peptide receptor. <i>FEBS Letters</i> , 2008 , 582, 1141-6	3.8	33
31	Diiron-containing metalloproteins: Developing functional models. <i>Comptes Rendus Chimie</i> , 2007 , 10, 703-720	7.20	39
30	Hemoprotein Models Based on a Covalent Helix-Heme-Helix Sandwich: 1. Design, Synthesis, and Characterization. <i>Chemistry - A European Journal</i> , 2006 , 3, 340-349	4.8	57
29	Hemoprotein Models Based on a Covalent Helix-Heme-Helix Sandwich: 2. Structural Characterization of CoIII Mimochrome I and Isomers. <i>Chemistry - A European Journal</i> , 2006 , 3, 350-362	4.8	41
28	Analysis and design of turns in alpha-helical hairpins. <i>Journal of Molecular Biology</i> , 2005 , 346, 1441-54	6.5	53

27	Artificial diiron proteins: from structure to function. <i>Biopolymers</i> , 2005 , 80, 264-78	2.2	82
26	Artificial di-iron proteins: solution characterization of four helix bundles containing two distinct types of inter-helical loops. <i>Journal of Biological Inorganic Chemistry</i> , 2005 , 10, 539-49	3.7	28
25	Miniaturized heme proteins: crystal structure of Co(III)-mimochrome IV. <i>Journal of Biological Inorganic Chemistry</i> , 2004 , 9, 1017-27	3.7	35
24	Preorganization of molecular binding sites in designed diiron proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3772-7	11.5	67
23	Design of a new mimochrome with unique topology. <i>Chemistry - A European Journal</i> , 2003 , 9, 5643-54	4.8	38
22	A major IgE epitope-containing grass pollen allergen domain from Phl p 5 folds as a four-helix bundle. <i>Protein Engineering, Design and Selection</i> , 2002 , 15, 635-42	1.9	18
21	Developing synthetic hemoprotein mimetics: Design, synthesis and characterization of heme-peptide conjugates 2002 , 91-93		
20	Miniaturized metalloproteins: application to iron-sulfur proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11922-7	11.5	57
19	Miniaturized hemoproteins: design, synthesis and characterization of mimochrome II. <i>Inorganica Chimica Acta</i> , 1998 , 275-276, 301-313	2.7	16
18	Miniaturized hemoproteins. <i>Biopolymers</i> , 1998 , 47, 5-22	2.2	27
17	Conformational behaviour of C ^α -diphenylglycine: folded vs. extended structures in D?G-containing tripeptides. <i>Journal of Peptide Science</i> , 1998 , 4, 21-32	2.1	18
16	A Novel Rigid β -Turn Molecular Scaffold. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5879-5886	16.4	18
15	Miniaturized hemoproteins 1998 , 47, 5		2
14	Bicyclic peptides as type I/type II beta-turn scaffolds. <i>Biopolymers</i> , 1996 , 40, 505-18	2.2	10
13	Solvent-mediated conformational transition in β -alanine containing cyclic peptides. VIII 1996 , 38, 693-703		15
12	Discovering protein secondary structures: Classification and description of isolated β -turns 1996 , 38, 705-721		99
11	Unusual conformational preferences of beta-alanine containing cyclic peptides. VII. <i>Biopolymers</i> , 1996 , 38, 683-91	2.2	14
10	Discovering protein secondary structures: classification and description of isolated alpha-turns. <i>Biopolymers</i> , 1996 , 38, 705-21	2.2	23

9	Design and structure of a novel Neurokinin A receptor antagonist cyclo(-Met1-Asp2-Trp3-Phe4-Dap5-Leu6-)cyclo(2-5)1. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 987-993		24
8	Design of metal ion binding peptides. <i>Biopolymers</i> , 1995 , 37, 401-10	2.2	9
7	Beta-alanine containing cyclic peptides with predetermined turned structure. V. <i>Biopolymers</i> , 1994 , 34, 1505-15	2.2	18
6	Beta-alanine containing cyclic peptides with turned structure: the "pseudo type II beta-turn." VI. <i>Biopolymers</i> , 1994 , 34, 1517-26	2.2	19
5	Mixed conformation in C alpha, alpha-disubstituted tripeptides: x-ray crystal structures of Z-Aib-Dph-Gly-OMe and Bz-Dph-Dph-Gly-OMe. <i>Biopolymers</i> , 1994 , 34, 1595-604	2.2	16
4	beta-Alanine containing peptides: gamma-turns in cyclotetrapeptides. <i>Biopolymers</i> , 1993 , 33, 621-31	2.2	23
3	Pt(II) complexes of amino acids and peptides III. X-ray diffraction study of [Cl(Ph3P)Pt(H-Aib-O)]. <i>Inorganica Chimica Acta</i> , 1993 , 204, 87-92	2.7	13
2	Pt(II) complexes of amino acids and peptides II. Structural analysis of trans-[Cl2-Pt-(H-Aib-OH)2n] and trans-[Pt-(H-Aib-O)2]. <i>Inorganica Chimica Acta</i> , 1992 , 196, 241-246	2.7	9
1	Structural and Functional Aspects of Metal Binding Sites in Natural and Designed Metalloproteins361-450		11