

# Massimiliano Peana

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

4,229  
citations

172386  
29  
h-index

118793  
62  
g-index

88  
all docs

88  
docs citations

88  
times ranked

5462  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Diet and Supplementation of Natural Products in COVID-19 Prevention. <i>Biological Trace Element Research</i> , 2022, 200, 27-30.	1.9	22
2	The role of B vitamins in stroke prevention. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5462-5475.	5.4	10
3	Phosphocalcic metabolism and the role of vitamin D, vitamin K2, and nattokinase supplementation. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7062-7071.	5.4	8
4	Micronutrients deficiencies in patients after bariatric surgery. <i>European Journal of Nutrition</i> , 2022, 61, 55-67.	1.8	50
5	Structural Identification of Metalloproteomes in Marine Diatoms, an Efficient Algae Model in Toxic Metals Bioremediation. <i>Molecules</i> , 2022, 27, 378.	1.7	10
6	The glutathione system in Parkinson's disease and its progression. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 470-478.	2.9	93
7	Interrelations between COVID-19 and other disorders. <i>Clinical Immunology</i> , 2021, 224, 108651.	1.4	107
8	The Proteomics Study of Compounded HFE/TF/TfR2/HJV Genetic Variations in a Thai Family with Iron Overload, Chronic Anemia, and Motor Neuron Disorder. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 545-555.	1.1	4
9	Chloroquine and hydroxychloroquine in the treatment of COVID-19: the never-ending story. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1333-1343.	1.7	59
10	Metal Toxicity and Speciation: A Review. <i>Current Medicinal Chemistry</i> , 2021, 28, 7190-7208.	1.2	37
11	Krebs cycle: activators, inhibitors and their roles in the modulation of carcinogenesis. <i>Archives of Toxicology</i> , 2021, 95, 1161-1178.	1.9	35
12	Environmental barium: potential exposure and health-hazards. <i>Archives of Toxicology</i> , 2021, 95, 2605-2612.	1.9	68
13	Biomarkers of Senescence during Aging as Possible Warnings to Use Preventive Measures. <i>Current Medicinal Chemistry</i> , 2021, 28, 1471-1488.	1.2	8
14	Iron Deficiency in Obesity and after Bariatric Surgery. <i>Biomolecules</i> , 2021, 11, 613.	1.8	22
15	Rh(I) Complexes in Catalysis: A Five-Year Trend. <i>Molecules</i> , 2021, 26, 2553.	1.7	10
16	The impact of glutathione metabolism in autism spectrum disorder. <i>Pharmacological Research</i> , 2021, 166, 105437.	3.1	28
17	The microbiota-mediated dietary and nutritional interventions for COVID-19. <i>Clinical Immunology</i> , 2021, 226, 108725.	1.4	32
18	An updated overview on metal nanoparticles toxicity. <i>Seminars in Cancer Biology</i> , 2021, 76, 17-26.	4.3	97

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19	Analytical and in silico study of the inclusion complexes between tropane alkaloids atropine and scopolamine with cyclodextrins. <i>Chemical Papers</i> , 2021, 75, 5523-5533.	1.0	11
20	A SARS-CoV-2 "human metalloproteome interaction map. <i>Journal of Inorganic Biochemistry</i> , 2021, 219, 111423.	1.5	23
21	Awareness and risk factors of autism spectrum disorder in an Egyptian population. <i>Research in Autism Spectrum Disorders</i> , 2021, 84, 101781.	0.8	3
22	Gold nanoparticles and cancer: Detection, diagnosis and therapy. <i>Seminars in Cancer Biology</i> , 2021, 76, 27-37.	4.3	34
23	Individual risk management strategy for SARS-CoV-2 infection: A step toward personalized healthcare. <i>International Immunopharmacology</i> , 2021, 96, 107629.	1.7	1
24	Thioredoxin reductase as a pharmacological target. <i>Pharmacological Research</i> , 2021, 174, 105854.	3.1	41
25	Gold Clusters: From the Dispute on a Gold Chair to the Golden Future of Nanostructures. <i>Molecules</i> , 2021, 26, 5014.	1.7	1
26	Thermodynamic Study of Oxidovanadium(IV) with Kojic Acid Derivatives: A Multi-Technique Approach. <i>Pharmaceuticals</i> , 2021, 14, 1037.	1.7	4
27	Micronutrients as immunomodulatory tools for COVID-19 management. <i>Clinical Immunology</i> , 2020, 220, 108545.	1.4	83
28	The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020, 160, 149-162.	1.3	84
29	Arsenic intoxication: general aspects and chelating agents. <i>Archives of Toxicology</i> , 2020, 94, 1879-1897.	1.9	74
30	Zinc Interactions with a Soluble Mutated Rat Amylin to Mimic Whole Human Amylin: An Experimental and Simulation Approach to Understand Stoichiometry, Speciation and Coordination of the Metal Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 13072-13084.	1.7	6
31	Interactions between iron and manganese in neurotoxicity. <i>Archives of Toxicology</i> , 2020, 94, 725-734.	1.9	25
32	Exploring the Specificity of Rationally Designed Peptides Reconstituted from the Cell-Free Extract of <i>Deinococcus radiodurans</i> toward Mn(II) and Cu(II). <i>Inorganic Chemistry</i> , 2020, 59, 4661-4684.	1.9	9
33	Health benefits of xylitol. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7225-7237.	1.7	60
34	Mercury-induced autoimmunity: Drifting from micro to macro concerns on autoimmune disorders. <i>Clinical Immunology</i> , 2020, 213, 108352.	1.4	29
35	Metals, autoimmunity, and neuroendocrinology: Is there a connection?. <i>Environmental Research</i> , 2020, 187, 109541.	3.7	20
36	A Comprehensive Review on Oxysterols and Related Diseases. <i>Current Medicinal Chemistry</i> , 2020, 28, 110-136.	1.2	47

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37	New strong extrafunctionalizable tris(3,4-HP) and bis(3,4-HP) metal sequestering agents: synthesis, solution and <i>in vivo</i> metal chelation. Dalton Transactions, 2019, 48, 16167-16183.	1.6	15
38	The essential metals for humans: a brief overview. Journal of Inorganic Biochemistry, 2019, 195, 120-129.	1.5	533
39	Medical Uses of Silver: History, Myths, and Scientific Evidence. Journal of Medicinal Chemistry, 2019, 62, 5923-5943.	2.9	186
40	A new tripodal kojic acid derivative for iron sequestration: Synthesis, protonation, complex formation studies with Fe <sup>3+</sup> , Al <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> , and <i>in vivo</i> bioassays. Journal of Inorganic Biochemistry, 2019, 193, 152-165.	1.5	22
41	A Model for Manganese interaction with Deinococcus radiodurans proteome network involved in ROS response and defense. Journal of Trace Elements in Medicine and Biology, 2018, 50, 465-473.	1.5	23
42	Noble Metals in Pharmaceuticals: Applications and Limitations. , 2018, , 3-48.		5
43	The Intriguing Potential of "Minor" Noble Metals: Emerging Trends and New Applications. , 2018, , 49-72.		4
44	Looking at new ligands for chelation therapy. New Journal of Chemistry, 2018, 42, 8021-8034.	1.4	3
45	A new tripodal-3-hydroxy-4-pyridinone for iron and aluminium sequestration: synthesis, complexation and <i>in vivo</i> studies. New Journal of Chemistry, 2018, 42, 8050-8061.	1.4	13
46	<i>para</i> -Aminosalicylic acid in the treatment of manganese toxicity. Complexation of Mn <sup>2+</sup> with 4-amino-2-hydroxybenzoic acid and its <i>N</i> -acetylated metabolite. New Journal of Chemistry, 2018, 42, 8035-8049.	1.4	14
47	Equilibrium studies of new bis-hydroxypyron derivatives with Fe <sup>3+</sup> , Al <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> . Journal of Inorganic Biochemistry, 2018, 189, 103-114.	1.5	11
48	Tungsten or Wolfram: Friend or Foe?. Current Medicinal Chemistry, 2018, 25, 65-74.	1.2	18
49	Interaction of a chelating agent, 5-hydroxy-2-(hydroxymethyl)pyridin-4(1H)-one, with Al(III), Cu(II) and Zn(II) ions. Journal of Inorganic Biochemistry, 2017, 171, 18-28.	1.5	6
50	Ni(II) interaction with a peptide model of the human TLR4 ectodomain. Journal of Trace Elements in Medicine and Biology, 2017, 44, 151-160.	1.5	19
51	Toxicity of Nanoparticles: Etiology and Mechanisms. , 2017, , 511-546.		28
52	Complex formation equilibria of Cu <sup>2+</sup> and Zn <sup>2+</sup> with Irbesartan and Losartan. European Journal of Pharmaceutical Sciences, 2017, 97, 158-169.	1.9	6
53	Coordination Environment of Cu(II) Ions Bound to N-Terminal Peptide Fragments of Angiogenin Protein. International Journal of Molecular Sciences, 2016, 17, 1240.	1.8	29
54	Manganese binding to antioxidant peptides involved in extreme radiation resistance in Deinococcus radiodurans. Journal of Inorganic Biochemistry, 2016, 164, 49-58.	1.5	13

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55	Fluoroquinolones: A micro-species equilibrium in the protonation of amphoteric compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 380-391.	1.9	18
56	Competition between Cd(II) and other divalent transition metal ions during complex formation with amino acids, peptides, and chelating agents. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 55-69.	9.5	39
57	Silver coordination compounds: A new horizon in medicine. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 349-359.	9.5	213
58	Chemical features of in use and in progress chelators for iron overload. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 10-18.	1.5	37
59	Substituent effects on ionization constants as a predictive tool of coordinating ability. <i>Monatshefte für Chemie</i> , 2016, 147, 719-724.	0.9	4
60	Manganism and Parkinson's disease: Mn(II) and Zn(II) interaction with a 30-amino acid fragment. <i>Dalton Transactions</i> , 2016, 45, 5151-5161.	1.6	16
61	Hydroxypyridinones with enhanced iron chelating properties. Synthesis, characterization and in vivo tests of 5-hydroxy-2-(hydroxymethyl)pyridine-4(1H)-one. <i>Dalton Transactions</i> , 2016, 45, 6517-6528.	1.6	27
62	Immune compatible cystine-functionalized superparamagnetic iron oxide nanoparticles as vascular contrast agents in ultrasonography. <i>RSC Advances</i> , 2016, 6, 2712-2723.	1.7	10
63	Tungsten-induced carcinogenesis in human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 33-39.	1.3	43
64	An NMR study on the 6,6 <sup>2</sup> -(2-(diethylamino)ethylazanediy)bis(methylene)bis(5-hydroxy-2-hydroxymethyl-4H-pyran-4-one) interaction with Al(III) and Zn(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2015, 148, 69-77.	1.5	14
65	Zinc(II) and copper(II) complexes with hydroxypyron iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 94-106.	1.5	15
66	Kill or cure: Misuse of chelation therapy for human diseases. <i>Coordination Chemistry Reviews</i> , 2015, 284, 278-285.	9.5	44
67	Noble metals in medicine: Latest advances. <i>Coordination Chemistry Reviews</i> , 2015, 284, 329-350.	9.5	586
68	Interaction of Cu(II) and Ni(II) with Ypk9 Protein Fragment via NMR Studies. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	8
69	Ni(II) binding to the 429 <sup>460</sup> peptide fragment from human Toll like receptor (hTLR4): a crucial role for nickel-induced contact allergy?. <i>Dalton Transactions</i> , 2014, 43, 2764-2771.	1.6	26
70	A new bis-3-hydroxy-4-pyrone as a potential therapeutic iron chelating agent. Effect of connecting and side chains on the complex structures and metal ion selectivity. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 132-143.	1.5	30
71	Toxicity of Nanoparticles. <i>Current Medicinal Chemistry</i> , 2014, 21, 3837-3853.	1.2	179
72	Nutritional Iron Deficiency: The Role of Oral Iron Supplementation. <i>Current Medicinal Chemistry</i> , 2014, 21, 3775-3784.	1.2	13

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73	Manganese and cobalt binding in a multi-histidinic fragment. Dalton Transactions, 2013, 42, 16293.	1.6	21
74	The Involvement of Amino Acid Side Chains in Shielding the Nickel Coordination Site: An NMR Study. Molecules, 2013, 18, 12396-12414.	1.7	18
75	Interaction of divalent cations with peptide fragments from Parkinson's disease genes. Dalton Transactions, 2013, 42, 5964-5974.	1.6	30
76	Nickel binding sites in histone proteins: Spectroscopic and structural characterization. Coordination Chemistry Reviews, 2013, 257, 2737-2751.	9.5	34
77	Mn(ii) and Zn(ii) interactions with peptide fragments from Parkinson's disease genes. Dalton Transactions, 2012, 41, 4378.	1.6	31
78	NMR studies of zinc binding in a multi-histidinic peptide fragment. Dalton Transactions, 2010, 39, 1282-1294.	1.6	27
79	Nickel binding to histone H4. Dalton Transactions, 2010, 39, 787-793.	1.6	21
80	Metal-chelating properties of carvedilol: an antihypertensive drug with antioxidant activity. Journal of Coordination Chemistry, 2009, 62, 3828-3836.	0.8	4
81	Copper and nickel binding in multi-histidinic peptide fragments. Journal of Inorganic Biochemistry, 2009, 103, 1214-1220.	1.5	45
82	An NMR study on nickel binding sites in Cap43 protein fragments. Dalton Transactions, 2009, , 5523.	1.6	26
83	Copper(ii) binding to Cap43 protein fragments. Dalton Transactions, 2008, , 6127.	1.6	31
84	Multidimensional NMR spectroscopy for the study of histone H4â€™Ni(ii) interaction. Dalton Transactions, 2007, , 379-384.	1.6	28
85	Paramagnetism-Based NMR Restraints Provide Maximum Allowed Probabilities for the Different Conformations of Partially Independent Protein Domains. Journal of the American Chemical Society, 2007, 129, 12786-12794.	6.6	124
86	From The Cover: Experimentally exploring the conformational space sampled by domain reorientation in calmodulin. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6841-6846.	3.3	209
87	Nickel(II) binding to Cap43 protein fragments. Journal of Inorganic Biochemistry, 2004, 98, 931-939.	1.5	24
88	The binding of Ni(ii) and Cu(ii) with the N-terminal tail of the histone H4. Dalton Transactions RSC, 2002, , 458-465.	2.3	31