

Hernán F Terenzi

List of Publications by Year in descending order

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89
papers

3,193
citations

136950

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168389

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times ranked

3492
citing authors

#	ARTICLE	IF	CITATIONS
1	A heterotrinnuclear bioinspired coordination complex capable of binding to DNA and emulation of nuclease activity. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111631.	3.5	0
2	Crystal structure of the Cys-NO modified YopH tyrosine phosphatase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140754.	2.3	1
3	Effect of Chelate Ring Size of Binuclear Copper(II) Complexes on Catecholase Activity and DNA Cleavage. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1710-1721.	2.0	7
4	Targeting an Artificial Metal Nuclease to DNA by a Simple Chemical Modification and Its Drastic Effect on Catalysis. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 286-291.	2.8	8
5	A Type IIa crustin from the pink shrimp <i>Farfantepenaeus paulensis</i> (crusFpau) is constitutively synthesized and stored by specific granule-containing hemocyte subpopulations. <i>Fish and Shellfish Immunology</i> , 2020, 97, 294-299.	3.6	18
6	Dinuclear copper(II) complexes with derivative triazine ligands as biomimetic models for catechol oxidases and nucleases. <i>Journal of Inorganic Biochemistry</i> , 2020, 213, 111249.	3.5	8
7	Evaluation of DNA-binding and DNA-photocleavage ability of tetra-cationic porphyrins containing peripheral [Ru(bpy) ₂ Cl] ⁺ complexes: Insights for photodynamic therapy agents. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 211, 111991.	3.8	27
8	The antidiabetic drug lobeglitazone has the potential to inhibit PTP1B activity. <i>Bioorganic Chemistry</i> , 2020, 100, 103927.	4.1	12
9	A chalcone derivative binds a putative allosteric site of YopH: Inhibition of a virulence factor of <i>Yersinia</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127350.	2.2	5
10	Guanidine- and purine-functionalized ligands of Fe ^{III} Zn ^{II} complexes: effects on the hydrolysis of DNA. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 675-691.	2.6	15
11	New Heteroleptic Ruthenium(II) Complexes with Sulfamethoxypyridazine and Diimines as Potential Antitumor Agents. <i>Molecules</i> , 2019, 24, 2154.	3.8	9
12	Pyridoxal derivatized copper(II) complexes: Evaluation of antioxidant, catecholase, and DNA cleavage activity. <i>Inorganica Chimica Acta</i> , 2018, 469, 561-575.	2.4	18
13	Naturally occurring Diels-Alder-type adducts from <i>Morus nigra</i> as potent inhibitors of <i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase B. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 277-288.	5.5	29
14	Second-Sphere Effects in Dinuclear Fe ^{III} Zn ^{II} Hydrolase Biomimetics: Tuning Binding and Reactivity Properties. <i>Inorganic Chemistry</i> , 2018, 57, 187-203.	4.0	29
15	The therapeutic value of protein (de)nitrosylation in experimental septic shock. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 307-316.	3.8	9
16	Posttranslational Chemical Mutagenesis: To Reveal the Role of Noncatalytic Cysteine Residues in Pathogenic Bacterial Phosphatases. <i>Biochemistry</i> , 2018, 57, 6144-6152.	2.5	9
17	Synthetic thiosemicarbazones as a new class of <i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase A inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5742-5750.	3.0	21
18	Synthesis, characterization and phosphatase inhibitory activity of dioxidovanadium(V) complexes with Schiff base ligands derived from pyridoxal and resorcinol. <i>Polyhedron</i> , 2017, 130, 184-194.	2.2	13

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19	Photoactive meso-tetra(4-pyridyl)porphyrin-tetrakis-[chloro(2,2'-bipyridine)platinum(II)] derivatives recognize and cleave DNA upon irradiation. Dalton Transactions, 2017, 46, 1660-1669.	3.3	30
20	A Water-Bridged Cysteine-Cysteine Redox Regulation Mechanism in Bacterial Protein Tyrosine Phosphatases. Chem, 2017, 3, 665-677.	11.7	18
21	Synthesis and characterization of Fe ^{III} (1/4-OH)Zn ^{II} complexes: effects of a second coordination sphere and increase in the chelate ring size on the hydrolysis of a phosphate diester and DNA. Dalton Transactions, 2017, 46, 11380-11394.	3.3	22
22	Impact of metal coordination on the antibiotic and non-antibiotic activities of tetracycline-based drugs. Coordination Chemistry Reviews, 2016, 327-328, 188-199.	18.8	73
23	Biochemical analysis of the interaction between Arabidopsis thaliana AtMYB30 transcription factor and its DNA specific target site. Journal of Plant Biochemistry and Biotechnology, 2016, 25, 97-103.	1.7	1
24	meso-Mono-[4-(1,4,7-triazacyclononyl)]-tri(phenyl)porphyrin and the respective zinc(II)-complex: complete characterization and biomolecules binding abilities. Photochemical and Photobiological Sciences, 2016, 15, 564-579.	2.9	14
25	Mycobacterium tuberculosis-Secreted Tyrosine Phosphatases as Targets Against Tuberculosis: Exploring Natural Sources in Searching for New Drugs. Current Pharmaceutical Design, 2016, 22, 1561-1569.	1.9	20
26	Synthetic compounds from an <i>in house</i> library as inhibitors of falcipain-2 from <i>Plasmodium falciparum</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 299-307.	5.2	20
27	The unique serine/threonine phosphatase from the minimal bacterium Mycoplasma synoviae: biochemical characterization and metal dependence. Journal of Biological Inorganic Chemistry, 2015, 20, 61-75.	2.6	7
28	New potential eukaryotic substrates of the mycobacterial protein tyrosine phosphatase PtpA: hints of a bacterial modulation of macrophage bioenergetics state. Scientific Reports, 2015, 5, 8819.	3.3	31
29	Synthesis, characterization, hydrolase and catecholase activity of a dinuclear iron(III) complex: Catalytic promiscuity. Journal of Inorganic Biochemistry, 2015, 146, 77-88.	3.5	40
30	Exploring Oxidovanadium(IV) Complexes as YopH Inhibitors: Mechanism of Action and Modeling Studies. ACS Medicinal Chemistry Letters, 2015, 6, 1035-1040.	2.8	17
31	S-nitrosylation influences the structure and DNA binding activity of AtMYB30 transcription factor from Arabidopsis thaliana. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 810-817.	2.3	81
32	Correlation between DNA interactions and cytotoxic activity of four new ternary compounds of copper(II) with N-donor heterocyclic ligands. Journal of Inorganic Biochemistry, 2014, 132, 67-76.	3.5	61
33	New La(III) Complex Immobilized on 3-Aminopropyl-Functionalized Silica as an Efficient and Reusable Catalyst for Hydrolysis of Phosphate Ester Bonds. Inorganic Chemistry, 2014, 53, 2943-2952.	4.0	24
34	Efficient hydrolytic cleavage of plasmid DNA by chloro-cobalt(II) complexes based on sterically hindered pyridyl tripod tetraamine ligands: synthesis, crystal structure and DNA cleavage. Dalton Transactions, 2014, 43, 10086.	3.3	69
35	Synthetic chalcones and sulfonamides as new classes of Yersinia enterocolitica YopH tyrosine phosphatase inhibitors. European Journal of Medicinal Chemistry, 2013, 64, 35-41.	5.5	11
36	Highly efficient synthetic iron-dependent nucleases activate both intrinsic and extrinsic apoptotic death pathways in leukemia cancer cells. Journal of Inorganic Biochemistry, 2013, 128, 38-47.	3.5	19

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37	Second-Coordination-Sphere Effects Increase the Catalytic Efficiency of an Extended Model for Fe ^{III} M ^{II} Purple Acid Phosphatases. <i>Inorganic Chemistry</i> , 2013, 52, 3594-3596.	4.0	29
38	S-nitrosylation of <i>Mycobacterium tuberculosis</i> tyrosine phosphatase A (PtpA) induces its structural instability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 191-196.	2.3	8
39	In vitro and in vivo activity of a new unsymmetrical dinuclear copper complex containing a derivative ligand of 1,4,7-triazacyclononane: catalytic promiscuity of [Cu ₂ (L)Cl ₃]. <i>Dalton Transactions</i> , 2013, 42, 7059.	3.3	20
40	Discovery of <i>Mycobacterium tuberculosis</i> Protein Tyrosine Phosphatase B (PtpB) Inhibitors from Natural Products. <i>PLoS ONE</i> , 2013, 8, e77081.	2.5	46
41	Extracellular Proteins of <i>Mycoplasma synoviae</i> . <i>ISRN Veterinary Science</i> , 2012, 2012, 1-6.	1.1	13
42	Spectroscopic and Catalytic Characterization of a Functional Fe ^{III} Fe ^{II} Biomimetic for the Active Site of Uteroferrin and Protein Cleavage. <i>Inorganic Chemistry</i> , 2012, 51, 2065-2078.	4.0	36
43	Synthesis, Biological Evaluation, And Molecular Modeling of Chalcone Derivatives As Potent Inhibitors of <i>Mycobacterium tuberculosis</i> Protein Tyrosine Phosphatases (PtpA and PtpB). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 390-402.	6.4	78
44	Synthesis, Magnetostructural Correlation, and Catalytic Promiscuity of Unsymmetric Dinuclear Copper(II) Complexes: Models for Catechol Oxidases and Hydrolases. <i>Inorganic Chemistry</i> , 2012, 51, 1569-1589.	4.0	103
45	Efficient DNA photocleavage promoted by a Tb(III) complex. <i>Inorganic Chemistry Communication</i> , 2012, 20, 77-80.	3.9	8
46	Sulfonyl-hydrazones of cyclic imides derivatives as potent inhibitors of the <i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase B (PtpB). <i>MedChemComm</i> , 2011, 2, 500.	3.4	37
47	Dephosphorylation Reactions with Deferoxamine, A Potential Chemical Nuclease. <i>Journal of Organic Chemistry</i> , 2011, 76, 10345-10348.	3.2	10
48	Two New Ternary Complexes of Copper(II) with Tetracycline or Doxycycline and 1,10-Phenanthroline and Their Potential as Antitumoral: Cytotoxicity and DNA Cleavage. <i>Inorganic Chemistry</i> , 2011, 50, 6414-6424.	4.0	154
49	Photoinduced DNA Cleavage Promoted by Two Copper(II) Complexes of Tetracyclines and 1,10-Phenanthroline. <i>Inorganic Chemistry</i> , 2011, 50, 10519-10521.	4.0	47
50	DNA as molecular target of analogous palladium and platinum anti- <i>Trypanosoma cruzi</i> compounds: A comparative study. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1704-1711.	3.5	32
51	Structural stability of <i>Staphylococcus xylosus</i> lipase is modulated by Zn ²⁺ ions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1120-1126.	2.3	16
52	Heterologous Expression and Purification of a Heat-Tolerant <i>Staphylococcus xylosus</i> Lipase. <i>Molecular Biotechnology</i> , 2010, 44, 110-119.	2.4	13
53	Cloning, Expression, Purification, and Characterization of a Novel Esterase from <i>Lactobacillus plantarum</i> . <i>Molecular Biotechnology</i> , 2010, 44, 242-249.	2.4	41
54	Biochemical and Structural Characterization of Two Site-Directed Mutants of <i>Staphylococcus xylosus</i> Lipase. <i>Molecular Biotechnology</i> , 2010, 46, 168-175.	2.4	16

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55	First partial proteome of the poultry pathogen <i>Mycoplasma synoviae</i> . <i>Veterinary Microbiology</i> , 2010, 145, 134-141.	1.9	10
56	Inhibition of <i>Mycobacterium tuberculosis</i> tyrosine phosphatase PtpA by synthetic chalcones: Kinetics, molecular modeling, toxicity and effect on growth. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3783-3789.	3.0	76
57	Catecholase and DNase activities of copper(II) complexes containing phenolate-type ligands. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 1000-1013.	1.9	19
58	Platinum(II) compounds of tetracyclines as potential anticancer agents: cytotoxicity, uptake and interactions with DNA. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1237-1246.	0.6	14
59	Catalytic promiscuity: catecholase-like activity and hydrolytic DNA cleavage promoted by a mixed-valence Fe(III)/Fe(II) complex. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1201-1212.	0.6	18
60	<i>Mycobacterium tuberculosis</i> tyrosine phosphatase A (PtpA) activity is modulated by S-nitrosylation. <i>Chemical Communications</i> , 2010, 46, 7501.	4.1	21
61	Oxygen-independent photonuclease activity of a new iron(II) complex. <i>Chemical Communications</i> , 2010, 46, 3375.	4.1	22
62	Efficient Phosphodiester Hydrolysis by Luminescent Terbium(III) and Europium(III) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 6013-6025.	4.0	33
63	Heterodinuclear Fe(III)-Zn(II)-Bioinspired Complex Supported on 3-Aminopropyl Silica. Efficient Hydrolysis of Phosphate Diester Bonds. <i>Inorganic Chemistry</i> , 2010, 49, 2580-2582.	4.0	49
64	Synthesis, Structure, and Phosphatase-Like Activity of a New Trinuclear Gd Complex with the Unsymmetrical Ligand H ₃ L As a Model for Nucleases. <i>Inorganic Chemistry</i> , 2010, 49, 3057-3063.	4.0	17
65	Electronic Structure and Spectro-Structural Correlations of Fe(III)-Zn(II) Biomimetics for Purple Acid Phosphatases: Relevance to DNA Cleavage and Cytotoxic Activity. <i>Inorganic Chemistry</i> , 2010, 49, 11421-11438.	4.0	84
66	DNA photonuclease activity of four new copper(II) complexes under UV and red light: theoretical/experimental correlations with active species generation. <i>Dalton Transactions</i> , 2010, 39, 2027-2035.	3.3	28
67	A synthetic dinuclear copper(II) hydrolase and its potential as antitumoral: Cytotoxicity, cellular uptake, and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1323-1330.	3.5	48
68	Mononuclear Cu(II)-Phenolate Bioinspired Complex is Catalytically Promiscuous: Phosphodiester and Peptide Amide Bond Cleavage. <i>Inorganic Chemistry</i> , 2009, 48, 2711-2713.	4.0	31
69	Unsymmetrical Fe(III)-Co(II) and Ga(III)-Co(II) Complexes as Chemical Hydrolases: Biomimetic Models for Purple Acid Phosphatases (PAPs). <i>Inorganic Chemistry</i> , 2009, 48, 7905-7921.	4.0	57
70	Metal-free artificial nucleases based on simple oxime and hydroxylamine scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4499-4502.	2.2	20
71	Synthetic chalcones as efficient inhibitors of <i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase PtpA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6227-6230.	2.2	97
72	A new μ_4 -oxo di-iron complex with suitable features to mimic metallohydrolase activity: X-ray molecular structure, aqua solution behavior and nuclease activity of the complex [Fe(HPCINOL)(SO ₄)] ₂ $\cdot\mu_4$ -oxo. <i>Inorganic Chemistry Communication</i> , 2008, 11, 643-647.	3.9	25

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73	New Gadolinium Complex with Efficient Hydrolase-like Activity: A 100-Million-Fold Rate Enhancement in Diester Hydrolysis. <i>Inorganic Chemistry</i> , 2008, 47, 2919-2921.	4.0	16
74	Inhibition of AtMYB2 DNA-binding by nitric oxide involves cysteine S-nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 1048-1053.	2.1	133
75	Catalytic Promiscuity in Biomimetic Systems: A Catecholase-like Activity, Phosphatase-like Activity, and Hydrolytic DNA Cleavage Promoted by a New Dicopper(II) Hydroxo-Bridged Complex. <i>Inorganic Chemistry</i> , 2007, 46, 348-350.	4.0	174
76	DNA conformational changes and cleavage by ruthenium(II) nitrofurylsemicarbazone complexes. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 74-79.	3.5	38
77	New unsymmetric dinuclear CuII complexes and their relevance to copper(II) containing metalloenzymes and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 992-1004.	3.5	50
78	Synthesis, crystal structure and properties of dinuclear iron(III) complexes containing terminally coordinated phenolate/H2O/OH ⁻ groups as models for purple acid phosphatases: efficient hydrolytic DNA cleavage. <i>Inorganica Chimica Acta</i> , 2005, 358, 339-351.	2.4	52
79	Synthesis, structure and properties of unsymmetrical 1/4-alkoxo-dicopper(II) complexes: biological relevance to phosphodiester and DNA cleavage and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2005, 358, 1807-1822.	2.4	69
80	A new heterobinuclear FeIII CuII complex with a single terminal FeIII μ -O(phenolate) bond. Relevance to purple acid phosphatases and nucleases. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 319-332.	2.6	74
81	Hydrolytic Protein Cleavage Mediated by Unusual Mononuclear Copper(II) Complexes: X-ray Structures and Solution Studies. <i>Inorganic Chemistry</i> , 2005, 44, 921-929.	4.0	68
82	Expression, purification, and initial structural characterization of rat orphan nuclear receptor NOR-1 LBD domain. <i>Protein Expression and Purification</i> , 2004, 37, 443-449.	1.3	3
83	Highly efficient phosphate diester hydrolysis and DNA interaction by a new unsymmetrical FeIII NiII model complex. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1161-1165.	3.9	64
84	Phosphate Diester Hydrolysis and DNA Damage Promoted by New cis-Aqua/Hydroxy Copper(II) Complexes Containing Tridentate Imidazole-rich Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 8353-8365.	4.0	108
85	Hydrolytic activity of a dinuclear copper(II,II) complex in phosphate diester and DNA cleavage. <i>Inorganica Chimica Acta</i> , 2002, 337, 366-370.	2.4	76
86	Hydrolytic DNA cleavage promoted by a dinuclear iron(III) complex. <i>Inorganic Chemistry Communication</i> , 2001, 4, 388-391.	3.9	78
87	Solution structure of the orphan nuclear receptor Rev-erb1 ² response element by 1H, 31P NMR and molecular simulation**Coordinates for the final structure have been deposited in the Brookhaven Protein Data Bank under the file name 1bn9. Chemical shifts of the 15-mer duplex have been deposited in the BioMagResBank under accession number 4172.. <i>Biochimie</i> . 2000. 82. 739-748.	2.6	1
88	Structural Features Involved in the Formation of a Complex between the Monomeric or the Dimeric Form of the Rev-erb1 ² DNA-Binding Domain and Its DNA Reactive Sites. <i>Biochemistry</i> , 1998, 37, 11488-11495.	2.5	10
89	Expression, Purification, and Functional Analysis of the DNA Binding Domain of the Nuclear Receptor Rev-Erb1 ² . <i>Protein Expression and Purification</i> , 1996, 8, 313-318.	1.3	7