

Hernán F Terenzi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5100122/publications.pdf>

Version: 2024-02-01

89
papers

3,193
citations

136950

32
h-index

168389

53
g-index

90
all docs

90
docs citations

90
times ranked

3492
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Promiscuity in Biomimetic Systems: 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
2	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
3	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
4	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
5	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
6	Synthetic chalcones as efficient inhibitors of Mycobacterium tuberculosis protein tyrosine phosphatase PtpA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6227-6230.	2.2	97
7	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
8	S-nitrosylation influences the structure and DNA binding activity of AtMYB30 transcription factor from Arabidopsis thaliana. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 810-817.	2.3	81
9	Hydrolytic DNA cleavage promoted by a dinuclear iron(III) complex. <i>Inorganic Chemistry Communication</i> , 2001, 4, 388-391.	3.9	78
10	Synthesis, Biological Evaluation, And Molecular Modeling of Chalcone Derivatives As Potent Inhibitors of Mycobacterium tuberculosis Protein Tyrosine Phosphatases (PtpA and PtpB). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 390-402.	6.4	78
11	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
12	Inhibition of Mycobacterium tuberculosis 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
13	A new heterobinuclear Fe ^{III} Cu ^I complex with a single terminal Fe ^{III} -O(phenolate) bond. Relevance to purple acid phosphatases and nucleases. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 319-332.	2.6	74
14	Impact of metal coordination on the antibiotic and non-antibiotic activities of tetracycline-based drugs. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 188-199.	18.8	73
15	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
16	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. <i>Dalton Transactions</i> , 2014, 43, 10086.	3.3	69
17	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
18	Highly efficient phosphate diester hydrolysis and DNA interaction by a new unsymmetrical Fe ^{III} Ni ^{II} model complex. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1161-1165.	3.9	64

#	ARTICLE	IF	CITATIONS
19	Correlation between DNA interactions and cytotoxic activity of four new ternary compounds of copper(II) with N-donor heterocyclic ligands. <i>Journal of Inorganic Biochemistry</i> , 2014, 132, 67-76.	3.5	61
20	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
21	Synthesis, crystal structure and properties of dinuclear iron(III) complexes containing terminally coordinated phenolate/H ₂ O/OH ⁻ groups as models for purple acid phosphatases: efficient hydrolytic DNA cleavage. <i>Inorganica Chimica Acta</i> , 2005, 358, 339-351.	2.4	52
22	New unsymmetric dinuclear Cu ^I Cu ^I 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
23	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
24	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
25	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
26	Discovery of Mycobacterium tuberculosis Protein Tyrosine Phosphatase B (PtpB) Inhibitors from Natural Products. <i>PLoS ONE</i> , 2013, 8, e77081.	2.5	46
27	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
28	Synthesis, characterization, hydrolase and catecholase activity of a dinuclear iron(III) complex: Catalytic promiscuity. <i>Journal of Inorganic Biochemistry</i> , 2015, 146, 77-88.	3.5	40
29	DNA conformational changes and cleavage by ruthenium(II) nitrofurylsemicarbazone complexes. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 74-79.	3.5	38
30	Sulfonyl-hydrazones of cyclic imides derivatives as potent inhibitors of the Mycobacterium tuberculosis protein tyrosine phosphatase B (PtpB). <i>MedChemComm</i> , 2011, 2, 500.	3.4	37
31	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
32	Efficient Phosphodiester Hydrolysis by Luminescent Terbium(III) and Europium(III) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 6013-6025.	4.0	33
33	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
34	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
35	New potential eukaryotic substrates of the mycobacterial protein tyrosine phosphatase PtpA: hints of a bacterial modulation of macrophage bioenergetics state. <i>Scientific Reports</i> , 2015, 5, 8819.	3.3	31
36	Photoactive meso-tetra(4-pyridyl)porphyrin-tetrakis-[chloro(2,2'-bipyridine)platinum(II)] derivatives recognize and cleave DNA upon irradiation. <i>Dalton Transactions</i> , 2017, 46, 1660-1669.	3.3	30

#	ARTICLE	IF	CITATIONS
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	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
39	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
40	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
41	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
42	A new μ -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] μ -oxo. <i>Inorganic Chemistry Communication</i> , 2008, 11, 643-647.	3.9	25
43	New La(III) Complex Immobilized on 3-Aminopropyl-Functionalized Silica as an Efficient and Reusable Catalyst for Hydrolysis of Phosphate Ester Bonds. <i>Inorganic Chemistry</i> , 2014, 53, 2943-2952.	4.0	24
44	Oxygen-independent photonuclease activity of a new iron(ii) complex. <i>Chemical Communications</i> , 2010, 46, 3375.	4.1	22
45	Synthesis and characterization of Fe ^{III} (μ -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. <i>Dalton Transactions</i> , 2017, 46, 11380-11394.	3.3	22
46	<i>Mycobacterium tuberculosis</i> tyrosine phosphatase A (PtpA) activity is modulated by S-nitrosylation. <i>Chemical Communications</i> , 2010, 46, 7501.	4.1	21
47	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
48	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
49	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
50	Synthetic compounds from an <i>in house</i> library as inhibitors of falcipain-2 from <i>Plasmodium falciparum</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 299-307.	5.2	20
51	<i>Mycobacterium tuberculosis</i> -Secreted Tyrosine Phosphatases as Targets Against Tuberculosis: Exploring Natural Sources in Searching for New Drugs. <i>Current Pharmaceutical Design</i> , 2016, 22, 1561-1569.	1.9	20
52	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
53	Highly efficient synthetic iron-dependent nucleases activate both intrinsic and extrinsic apoptotic death pathways in leukemia cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 38-47.	3.5	19
54	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

#	ARTICLE	IF	CITATIONS
55	A Water-Bridged Cysteine-Cysteine Redox Regulation Mechanism in Bacterial Protein Tyrosine Phosphatases. <i>CheM</i> , 2017, 3, 665-677.	11.7	18
56	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
57	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
58	Synthesis, Structure, and Phosphatase-Like Activity of a New Trinuclear Gd Complex with the Unsymmetrical Ligand H_3L As a Model for Nucleases. <i>Inorganic Chemistry</i> , 2010, 49, 3057-3063.	4.0	17
59	Exploring Oxidovanadium(IV) Complexes as YopH Inhibitors: Mechanism of Action and Modeling Studies. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1035-1040.	2.8	17
60	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
61	Biochemical and Structural Characterization of Two Site-Directed Mutants of <i>Staphylococcus xylosum</i> Lipase. <i>Molecular Biotechnology</i> , 2010, 46, 168-175.	2.4	16
62	Structural stability of <i>Staphylococcus xylosum</i> lipase is modulated by Zn^{2+} ions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1120-1126.	2.3	16
63	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
64	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
65	meso-Mono-[4-(1,4,7-triazacyclononyl)]-tri(phenyl)porphyrin and the respective zinc(ii)-complex: complete characterization and biomolecules binding abilities. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 564-579.	2.9	14
66	Heterologous Expression and Purification of a Heat-Tolerant <i>Staphylococcus xylosum</i> Lipase. <i>Molecular Biotechnology</i> , 2010, 44, 110-119.	2.4	13
67	Extracellular Proteins of <i>Mycoplasma synoviae</i> . <i>ISRN Veterinary Science</i> , 2012, 2012, 1-6.	1.1	13
68	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
69	The antidiabetic drug lobeglitazone has the potential to inhibit PTP1B activity. <i>Bioorganic Chemistry</i> , 2020, 100, 103927.	4.1	12
70	Synthetic chalcones and sulfonamides as new classes of <i>Yersinia enterocolitica</i> YopH tyrosine phosphatase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 64, 35-41.	5.5	11
71	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
72	First partial proteome of the poultry pathogen <i>Mycoplasma synoviae</i> . <i>Veterinary Microbiology</i> , 2010, 145, 134-141.	1.9	10

#	ARTICLE	IF	CITATIONS
73	Dephosphorylation Reactions with Deferoxamine, A Potential Chemical Nuclease. <i>Journal of Organic Chemistry</i> , 2011, 76, 10345-10348.	3.2	10
74	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
75	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
76	New Heteroleptic Ruthenium(II) Complexes with Sulfamethoxypyridazine and Diimines as Potential Antitumor Agents. <i>Molecules</i> , 2019, 24, 2154.	3.8	9
77	Efficient DNA photocleavage promoted by a Tb(III) complex. <i>Inorganic Chemistry Communication</i> , 2012, 20, 77-80.	3.9	8
78	S-nitrosylation of Mycobacterium tuberculosis tyrosine phosphatase A (PtpA) induces its structural instability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 191-196.	2.3	8
79	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
80	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
81	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
82	The unique serine/threonine phosphatase from the minimal bacterium <i>Mycoplasma synoviae</i> : biochemical characterization and metal dependence. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 61-75.	2.6	7
83	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
84	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
85	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
86	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
87	Biochemical analysis of the interaction between <i>Arabidopsis thaliana</i> AtMYB30 transcription factor and its DNA specific target site. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2016, 25, 97-103.	1.7	1
88	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
89	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