Alfredo Angeles-Boza

List of Publications by Year
in descending order

60 papers	2,510 citations	159585 30 h-index	197818 49 g-index
63 all docs	63 docs citations	63 times ranked	3248 citing authors

#	Article	IF	Citations
1	Exploring synergy and its role in antimicrobial peptide biology. Methods in Enzymology, 2022, 663, 99-130.	1.0	5
2	Synthesis and Characterization of Preacinetobactin and 5-Phenyl Preacinetobactin. Molecules, 2022, 27, 3688.	3.8	0
3	Î²-Oxochlorin cobalt(<scp>ii</scp>) complexes catalyze the electrochemical reduction of CO₂. Chemical Communications, 2021, 57, 4396-4399.	4.1	6
4	The Antimicrobial Peptide Gadâ€1 Clears Pseudomonas aeruginosa Biofilms under Cystic Fibrosis Conditions. ChemBioChem, 2021, 22, 1646-1655.	2.6	16
5	Antimicrobial Peptides and Copper(II) Ions: Novel Therapeutic Opportunities. Chemical Reviews, 2021, 121, 2648-2712.	47.7	55
6	Methane Generation from CO₂ with a Molecular Rhenium Catalyst. Inorganic Chemistry, 2021, 60, 3572-3584.	4.0	19
7	Unraveling the implications of multiple histidine residues in the potent antimicrobial peptide Gaduscidin-1. Journal of Inorganic Biochemistry, 2021, 219, 111391.	3.5	10
8	Copper-binding anticancer peptides from the piscidin family: an expanded mechanism that encompasses physical and chemical bilayer disruption. Scientific Reports, 2021, 11, 12620.	3.3	9
9	Antimicrobial Susceptibility Testing of Antimicrobial Peptides Requires New and Standardized Testing Structures. ACS Infectious Diseases, 2021, 7, 2205-2208.	3.8	14
10	(1,2-Azole)bis(bipyridyl)ruthenium(II) Complexes: Electrochemistry, Luminescent Properties, And Electro- And Photocatalysts for CO₂ Reduction. Inorganic Chemistry, 2021, 60, 692-704.	4.0	13
11	Antimicrobial Susceptibility Testing of Antimicrobial Peptides to Better Predict Efficacy. Frontiers in Cellular and Infection Microbiology, 2020, 10, 326.	3.9	70
12	A Potent Host Defense Peptide Triggers DNA Damage and Is Active against Multidrug-Resistant Gram-Negative Pathogens. ACS Infectious Diseases, 2020, 6, 1250-1263.	3.8	13
13	Enhanced antimicrobial activity of silver nanoparticles conjugated with synthetic peptide by click chemistry. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	17
14	Peptideâ€“Ruthenium Conjugate as an Efficient Photosensitizer for the Inactivation of Multidrug-Resistant Bacteria. Inorganic Chemistry, 2020, 59, 14866-14870.	4.0	29
15	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. Biochemistry, 2019, 58, 3802-3812.	2.5	32
16	Molecular Dynamics Investigation into the Effect of Zinc(II) on the Structure and Membrane Interactions of the Antimicrobial Peptide Clavanin A. Journal of Physical Chemistry B, 2019, 123, 3163-3176.	2.6	18
17	Synthetic Polymers To Promote Cooperative Cu Activity for O₂ Activation: Poly vs Mono. Journal of the American Chemical Society, 2019, 141, 4252-4256.	13.7	32
18	Direct oxygen isotope effect identifies the rate-determining step of electrocatalytic OER at an oxidic surface. Nature Communications, 2018, 9, 4565.	12.8	58

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19	Impact of Metallation and Oxidized Lipids on the Structure and Membrane Disruptive Effects of Host Defense Peptides Piscidin 1 and PiscidinÂ3. Biophysical Journal, 2018, 114, 453a-454a.	0.5	0
20	[Ru^{II}(tpy)(bpy)Cl]⁺-Catalyzed reduction of carbon dioxide. Mechanistic insights by carbon-13 kinetic isotope effects. Chemical Communications, 2018, 54, 8518-8521.	4.1	11
21	Phagosomal Copper-Promoted Oxidative Attack on Intracellular Mycobacterium tuberculosis. ACS Infectious Diseases, 2018, 4, 1623-1634.	3.8	27
22	â€œEnzymaticâ€•Photoreduction of Carbon Dioxide using Polymeric Metallofoldamers Containing Nickelâ€“Thiolate Cofactors. ChemCatChem, 2017, 9, 1157-1162.	3.7	22
23	Heterogeneous mesoporous manganese oxide catalyst for aerobic and additive-free oxidative aromatization of N-heterocycles. Chemical Communications, 2017, 53, 2256-2259.	4.1	40
24	Exploration of the Innate Immune System ofStyela clava: Zn2+Binding Enhances the Antimicrobial Activity of the Tunicate Peptide Clavanin A. Biochemistry, 2017, 56, 1403-1414.	2.5	28
25	Electrochemical Reduction of CO₂ Catalyzed by Re(pyridine-oxazoline)(CO)₃Cl Complexes. Inorganic Chemistry, 2017, 56, 3214-3226.	4.0	48
26	How Does Membrane Oxidation Affect Cell Delivery and Cell Killing?. Trends in Biotechnology, 2017, 35, 686-690.	9.3	22
27	Single Chain Polymeric Nanoparticles to Promote Selective Hydroxylation Reactions of Phenol Catalyzed by Copper. ACS Macro Letters, 2017, 6, 652-656.	4.8	38
28	Membrane Oxidation in Cell Delivery and Cell Killing Applications. ACS Chemical Biology, 2017, 12, 1170-1182.	3.4	103
29	Nuclease activity gives an edge to hostâ€defense peptide piscidin 3 over piscidin 1, rendering it more effective against persisters and biofilms. FEBS Journal, 2017, 284, 3662-3683.	4.7	86
30	Ullmann Reaction Catalyzed by Heterogeneous Mesoporous Copper/Manganese Oxide: A Kinetic and Mechanistic Analysis. Inorganic Chemistry, 2017, 56, 10290-10297.	4.0	36
31	Facile access to versatile functional groups from alcohol by single multifunctional reusable catalyst. Applied Catalysis B: Environmental, 2017, 203, 607-614.	20.2	21
32	Mesoporous Copper/Manganese Oxide Catalyzed Coupling of Alkynes: Evidence for Synergistic Cooperative Catalysis. ACS Catalysis, 2016, 6, 5069-5080.	11.2	75
33	Mechanism of Photocatalytic Reduction of CO₂ by Re(bpy)(CO)₃Cl from Differences in Carbon Isotope Discrimination. ACS Catalysis, 2016, 6, 5473-5481.	11.2	58
34	Central Role of the Copper-Binding Motif in the Complex Mechanism of Action of Ixosin: Enhancing Oxidative Damage and Promoting Synergy with Ixosin B. ACS Infectious Diseases, 2016, 2, 71-81.	3.8	30
35	Hybrid peptide ATCUN-sh-Buforin: Influence of the ATCUN charge andÂstereochemistry on antimicrobial activity. Biochimie, 2015, 113, 143-155.	2.6	29
36	Competitive ¹³C and ¹⁸O kinetic isotope effects on CO₂ reduction catalyzed by Re(bpy)(CO)₃Cl. Dalton Transactions, 2015, 44, 8784-8787.	3.3	19

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37	Complementary Effects of Host Defense Peptides Piscidin 1 and Piscidin 3 on DNA and Lipid Membranes: Biophysical Insights into Contrasting Biological Activities. Journal of Physical Chemistry B, 2015, 119, 15235-15246.	2.6	46
38	Copper-binding tripeptide motif increases potency of the antimicrobial peptide Anoplin via Reactive Oxygen Species generation. Biochemical and Biophysical Research Communications, 2015, 456, 446-451.	2.1	46
39	Bioinorganic Chemistry of Antimicrobial and Host-Defense Peptides. Comments on Inorganic Chemistry, 2014, 34, 42-58.	5.2	10
40	Improved Bioactivity of Antimicrobial Peptides by Addition of Aminoâ€Terminal Copper and Nickel (ATCUN) Binding Motifs. ChemMedChem, 2014, 9, 1892-1901.	3.2	53
41	Competitive oxygen-18 kinetic isotope effects expose Oâ€“O bond formation in water oxidation catalysis by monomeric and dimeric ruthenium complexes. Chemical Science, 2014, 5, 1141-1152.	7.4	37
42	Experimental and Computational Evidence of Metal-O2Activation and Rate-Limiting Proton-Coupled Electron Transfer in a Copper Amine Oxidase. Journal of Physical Chemistry B, 2013, 117, 218-229.	2.6	25
43	Studies of the Di-iron(VI) Intermediate in Ferrate-Dependent Oxygen Evolution from Water. Journal of the American Chemical Society, 2012, 134, 15371-15386.	13.7	86
44	Oxygen Kinetic Isotope Effects upon Catalytic Water Oxidation by a Monomeric Ruthenium Complex. Inorganic Chemistry, 2012, 51, 4722-4729.	4.0	24
45	Catalytic Mechanism of a Heme and Tyrosyl Radical-Containing Fatty Acid Î±-(Di)oxygenase. Journal of the American Chemical Society, 2011, 133, 227-238.	13.7	19
46	Experimental and Computational Investigations of Oxygen Reactivity in a Heme and Tyrosyl Radical-Containing Fatty Acid Î±-(Di)oxygenase. Biochemistry, 2011, 50, 7375-7389.	2.5	14
47	Generation of Endosomolytic Reagents by Branching of Cell-Penetrating Peptides: Tools for the Delivery of Bioactive Compounds to Live Cells in Cis or Trans. Bioconjugate Chemistry, 2010, 21, 2164-2167.	3.6	54
48	Photophysical Properties, DNA Photocleavage, and Photocytotoxicity of a Series of Dppn Dirhodium(II,II) Complexes. Inorganic Chemistry, 2010, 49, 5371-5376.	4.0	73
49	Anticancer activity of heteroleptic diimine complexes of dirhodium: A study of intercalating properties, hydrophobicity and in cellulo activity. Dalton Transactions, 2009, , 10806.	3.3	48
50	Ultrafast Ligand Exchange: Detection of a Pentacoordinate Ru(II) Intermediate and Product Formation. Journal of the American Chemical Society, 2009, 131, 26-27.	13.7	89
51	Live Cell Cytotoxicity Studies: Documentation of the Interactions of Antitumor Active Dirhodium Compounds with Nuclear DNA. Journal of the American Chemical Society, 2009, 131, 11353-11360.	13.7	92
52	Redox-Regulated Inhibition of T7 RNA Polymerase via Establishment of Disulfide Linkages by Substituted Dppz Dirhodium(II,II) Complexes. Inorganic Chemistry, 2009, 48, 4435-4444.	4.0	29
53	Effect of Axial Coordination on the Electronic Structure and Biological Activity of Dirhodium(II,II) Complexes. Inorganic Chemistry, 2007, 46, 7494-7502.	4.0	57
54	Dirhodium(II,II) Complexes:Â Molecular Characteristics that Affect in Vitro Activity. Journal of Medicinal Chemistry, 2006, 49, 6841-6847.	6.4	110

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55	Photocytotoxicity of a New Rh2(II,II) Complex:Â Increase in Cytotoxicity upon Irradiation Similar to That of PDT Agent Hematoporphyrin. Inorganic Chemistry, 2005, 44, 7262-7264.	4.0	65
56	Direct DNA Photocleavage by a New Intercalating Dirhodium(II/II) Complex:Â Comparison to Rh2(Î¼-O2CCH3)4. Inorganic Chemistry, 2004, 43, 2450-2452.	4.0	76
57	DNA Binding and Photocleavage in Vitro by New Dirhodium(II) dppz Complexes:Â Correlation to Cytotoxicity and Photocytotoxicity. Inorganic Chemistry, 2004, 43, 8510-8519.	4.0	178
58	Inhibition of Transcription in Vitro by Anticancer Active Dirhodium(II) Complexes. Inorganic Chemistry, 2003, 42, 1267-1271.	4.0	70
59	Synthesis, Structures, and Conformational Characteristics of Calixarene Monoanions and Dianions. Journal of the American Chemical Society, 2003, 125, 6228-6238.	13.7	82
60	Structural evidence for monodentate binding of guanine to the dirhodium(ii,ii) core in a manner akin to that of cisplatin. Dalton Transactions, 2003, , 4426-4430.	3.3	18