

Emmanuel Gonzalez

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,191
citations

394421

19
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

1755
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered microbiome composition in individuals with fibromyalgia. <i>Pain</i> , 2019, 160, 2589-2602.	4.2	130
2	GenPipes: an open-source framework for distributed and scalable genomic analyses. <i>GigaScience</i> , 2019, 8, .	6.4	121
3	Copper Corroles Are Inherently Saddled. <i>Inorganic Chemistry</i> , 2009, 48, 7794-7799.	4.0	103
4	Trees, fungi and bacteria: tripartite metatranscriptomics of a root microbiome responding to soil contamination. <i>Microbiome</i> , 2018, 6, 53.	11.1	88
5	Molecular structures and electron distributions of higher-valent iron and manganese porphyrins: Density functional theory calculations and some preliminary open-shell coupled-cluster results. <i>Journal of Porphyrins and Phthalocyanines</i> , 2001, 05, 345-356.	0.8	80
6	The Response of a 16S Ribosomal RNA Gene Fragment Amplified Community to Lead, Zinc, and Copper Pollution in a Shanghai Field Trial. <i>Frontiers in Microbiology</i> , 2018, 9, 366.	3.5	73
7	Theoretical Studies of Low-Spin Six-Coordinate Iron(III) Porphyrins Relevant to Cytochromes b: Variable Electronic Configurations, Ligand Noninnocence, and Macrocycle Ruffling. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1363-1367.	2.6	60
8	Absorption spectroscopy of octahedral nickel(II) complexes: A case study of interactions between multiple electronic excited states. <i>Coordination Chemistry Reviews</i> , 2007, 251, 351-363.	18.8	60
9	Theoretical studies on high-valent manganese porphyrins: Toward a deeper understanding of the energetics, electron distributions, and structural features of the reactive intermediates of enzymatic and synthetic manganese-catalyzed oxidative processes. <i>Israel Journal of Chemistry</i> , 2000, 40, 1-8.	2.3	38
10	Co-cropping with three phytoremediation crops influences rhizosphere microbiome community in contaminated soil. <i>Science of the Total Environment</i> , 2020, 711, 135067.	8.0	38
11	Transcriptomic Response of Purple Willow (<i>Salix purpurea</i>) to Arsenic Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1115.	3.6	32
12	ANCHOR: a 16S rRNA gene amplicon pipeline for microbial analysis of multiple environmental samples. <i>Environmental Microbiology</i> , 2019, 21, 2440-2468.	3.8	30
13	Valence tautomerism and macrocycle ruffling in nickel(III) porphyrins. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 79-82.	3.5	28
14	Reductive coupling and protonation leading to diboron corroles with a B-H-B bridge. <i>Dalton Transactions</i> , 2010, 39, 4032.	3.3	26
15	Intranasal Application of <i>Lactococcus lactis</i> W136 Is Safe in Chronic Rhinosinusitis Patients With Previous Sinus Surgery. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 440.	3.9	26
16	Distinct Changes Occur in the Human Breast Milk Microbiome Between Early and Established Lactation in Breastfeeding Guatemalan Mothers. <i>Frontiers in Microbiology</i> , 2021, 12, 557180.	3.5	26
17	Upregulated IL-32 Expression And Reduced Gut Short Chain Fatty Acid Caproic Acid in People Living With HIV With Subclinical Atherosclerosis. <i>Frontiers in Immunology</i> , 2021, 12, 664371.	4.8	25
18	Meta-transcriptomics indicates biotic cross-tolerance in willow trees cultivated on petroleum hydrocarbon contaminated soil. <i>BMC Plant Biology</i> , 2015, 15, 246.	3.6	21

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19	DFT at Its Best: Metal- versus Ligand-Centered Reduction in Nickel Hydroporphyrins. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15158-15173.	2.6	20
20	Impact of RNA-seq attributes on false positive rates in differential expression analysis of de novo assembled transcriptomes. <i>BMC Research Notes</i> , 2013, 6, 503.	1.4	20
21	Comparative Transcriptomic Approaches Exploring Contamination Stress Tolerance in <i>Salix</i> sp. Reveal the Importance for a Metaorganismal de Novo Assembly Approach for Nonmodel Plants. <i>Plant Physiology</i> , 2016, 171, 3-24.	4.8	20
22	Mapping the d ^π d Excited-State Manifolds of Transition Metal ^{II} -Diiminato ^π Imido Complexes. Comparison of Density Functional Theory and CASPT2 Energetics. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12792-12798.	2.5	19
23	Models of High-Valent Intermediates of Non-Heme Diiron Alkane Monooxygenases: Electronic Structure of a Bis(¹ / ₄ -oxo)diiron(IV) Complex with Locally Low-Spin Metal Centers. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 834-838.	13.8	17
24	Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota. <i>BMC Microbiology</i> , 2021, 21, 259.	3.3	15
25	Reanalysis of the Mars500 experiment reveals common gut microbiome alterations in astronauts induced by long-duration confinement. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2223-2235.	4.1	12
26	Density Functional Theory Calculations on Ruthenium(IV) Bis(amido) Porphyrins: Search for a Broader Perspective of Heme Protein Compound II Intermediates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15380-15388.	2.6	10
27	Low-dose and long-term azithromycin significantly decreases <i>Staphylococcus aureus</i> in the microbiome of refractory CRS patients. <i>International Forum of Allergy and Rhinology</i> , 2021, 11, 93-105.	2.8	10
28	Phytochelatin and coumarin enrichment in root exudates of arsenic-treated white lupin. <i>Plant, Cell and Environment</i> , 2022, 45, 936-954.	5.7	10
29	Snow crab (<i>Chionoecetes opilio</i>) hepatopancreas transcriptome: Identification and testing of candidate molecular biomarkers of seismic survey impact. <i>Fisheries Research</i> , 2021, 234, 105794.	1.7	7
30	Human Milk Microbiota in an Indigenous Population Is Associated with Maternal Factors, Stage of Lactation, and Breastfeeding Practices. <i>Current Developments in Nutrition</i> , 2021, 5, nza013.	0.3	5
31	Spectroscopic effects resulting from interacting singlet and triplet excited states: vibronic structure involving the O-H stretching mode in d ^π d absorption bands of Ni(H ₂ O) ₆ ²⁺ . <i>Dalton Transactions</i> , 2014, 43, 17864-17870.	3.3	4
32	Dietary Intake Is Unlikely to Explain Symptom Severity and Syndrome-Specific Microbiome Alterations in a Cohort of Women with Fibromyalgia. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3254.	2.6	4
33	Microbial community origin and fate through a rural wastewater treatment plant. <i>Environmental Microbiology</i> , 2022, 24, 2516-2542.	3.8	4
34	Models of the ox ¹ State of Methylcoenzyme M Reductase: Where are the Electrons?. <i>Chemistry - A European Journal</i> , 2008, 14, 9981-9989.	3.3	3