

Manuel Alejandro Gacitãa

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

649
citations

430874

18
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610901

24
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42
all docs

42
docs citations

42
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrosynthesis of polythiophene nanowires via mesoporous silica thin film templates. <i>Electrochemistry Communications</i> , 2009, 11, 2117-2120.	4.7	50
2	Study of the structure–bioactivity relationship of three new pyridine Schiff bases: synthesis, spectral characterization, DFT calculations and biological assays. <i>New Journal of Chemistry</i> , 2018, 42, 8851-8863.	2.8	41
3	Electro-synthesis and characterization of polythiophene nano-wires/platinum nano-particles composite electrodes. Study of formic acid electro-catalytic oxidation. <i>Electrochimica Acta</i> , 2012, 71, 277-282.	5.2	40
4	Influence of the exciton blocking layer on the stability of layered organic solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 97-103.	4.0	37
5	Kinetics, adsorption and desorption of Cd(II) and Cu(II) on natural allophane: Effect of iron oxide coating. <i>Geoderma</i> , 2018, 319, 70-79.	5.1	36
6	Boosting the electrocatalytic activity of <i>Desulfovibrio paquesii</i> biocathodes with magnetite nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14540-14545.	7.1	32
7	Electrochemical in situ synthesis of polypyrrole nanowires. <i>Electrochemistry Communications</i> , 2019, 102, 94-98.	4.7	32
8	Theoretical and experimental characterization of a novel pyridine benzimidazole: suitability for fluorescence staining in cells and antimicrobial properties. <i>New Journal of Chemistry</i> , 2016, 40, 2362-2375.	2.8	27
9	Bioelectrochemical vs hydrogenophilic approach for CO ₂ reduction into methane and acetate. <i>Chemical Engineering Journal</i> , 2020, 396, 125243.	12.7	27
10	Rhenium (I) Complexes as Probes for Prokaryotic and Fungal Cells by Fluorescence Microscopy: Do Ligands Matter?. <i>Frontiers in Chemistry</i> , 2019, 7, 454.	3.6	24
11	Two New Fluorinated Phenol Derivatives Pyridine Schiff Bases: Synthesis, Spectral, Theoretical Characterization, Inclusion in Epichlorohydrin- β -2-Cyclodextrin Polymer, and Antifungal Effect. <i>Frontiers in Chemistry</i> , 2018, 6, 312.	3.6	23
12	Bioelectrochemical sulphate reduction on batch reactors: Effect of inoculum-type and applied potential on sulphate consumption and pH. <i>Bioelectrochemistry</i> , 2018, 119, 26-32.	4.6	20
13	Cyclic voltammetry, relativistic DFT calculations and biological test of cytotoxicity in walled-cell models of two classical rhenium (I) tricarbonyl complexes with 5-amine-1,10-phenanthroline. <i>Chemical Physics Letters</i> , 2019, 715, 231-238.	2.6	20
14	OLIGOMER CHAIN LENGTH EFFECT ON THE NUCLEATION AND GROWTH MECHANISMS (NGM) OF POLYTHIOPHENE. <i>Journal of the Chilean Chemical Society</i> , 2009, 54, .	1.2	19
15	Experimental and theoretical studies of the ancillary ligand (E)-2-((3-amino-pyridin-4-ylimino)-methyl)-4,6-di-tert-butylphenol in the rhenium(I) core. <i>New Journal of Chemistry</i> , 2015, 39, 5725-5734.	2.8	19
16	Spectral, theoretical characterization and antifungal properties of two phenol derivative Schiff bases with an intramolecular hydrogen bond. <i>New Journal of Chemistry</i> , 2015, 39, 7822-7831.	2.8	19
17	Electrochemical preparation of MoO ₃ buffer layer deposited onto the anode in organic solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1905-1911.	1.8	18
18	Fluorescence probes for prokaryotic and eukaryotic cells using Re(CO) ₃ ⁺ complexes with an electron withdrawing ancillary ligand. <i>New Journal of Chemistry</i> , 2016, 40, 7687-7700.	2.8	18

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19	Substituted bidentate and ancillary ligands modulate the bioimaging properties of the classical Re($\text{C}(\text{CO})_3$) tricarbonyl core with yeasts and bacteria. <i>New Journal of Chemistry</i> , 2017, 41, 2140-2147.	2.8	18
20	Variable surface charge of humic acid-ferrihydrite composite: Influence of electrolytes on ciprofloxacin adsorption. <i>Journal of Hazardous Materials</i> , 2020, 385, 121520.	12.4	15
21	SYNTHESIS, CHARACTERIZATION AND COMPUTATIONAL STUDIES OF (E)-2-[[2-AMINOPYRIDIN-3-YL]IMINO]-METHYL]-4,6-DI-TERT-BUTYLPHENOL. <i>Quimica Nova</i> , 2014, 37, .	0.3	15
22	New Properties of a Bioinspired Pyridine Benzimidazole Compound as a Novel Differential Staining Agent for Endoplasmic Reticulum and Golgi Apparatus in Fluorescence Live Cell Imaging. <i>Frontiers in Chemistry</i> , 2018, 6, 345.	3.6	14
23	Electrochemical behaviors and relativistic DFT calculations to understand the terminal ligand influence on the $[\text{Re}(\text{C}(\text{CO})_3)_2\text{X}(\text{C}(\text{CO})_3)_2]^{+4}$ clusters. <i>New Journal of Chemistry</i> , 2018, 42, 5471-5478.	2.8	12
24	PEDOT/graphene/nickel-nanoparticles composites as electrodes for microbial fuel cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12001-12011.	2.2	10
25	Use of a Thermophile Desiccation-Tolerant Cyanobacterial Culture and Os Redox Polymer for the Preparation of Photocurrent Producing Anodes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 900.	4.1	7
26	Optimization of an anode for arsenic(V) extraction. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 867-874.	2.9	6
27	X-ray diffraction and relativistic DFT studies on the molecular biomarker fac-Re(CO) ₃ (4,4'-dimethyl-2,2'-bpy)(E-2-((3-amino-pyridin-4-ylimino)-methyl)-4,6-di-tert-butylphenol)(PF ₆). <i>Chemical Papers</i> , 2017, 71, 2011-2022.	2.2	6
28	Structural Characterization, DFT Calculation, NCI, Scan-Rate Analysis and Antifungal Activity against <i>Botrytis cinerea</i> of (E)-2-[[2-Aminopyridin-2-yl]imino]-methyl]-4,6-di-tert-butylphenol (Pyridine Schiff) <i>Tj ETQq0 0 OrgBT /Overlock 10 Tf</i>		
29	Nanostructured TiO ₂ and PEDOT Electrodes with Photovoltaic Application. <i>Nanomaterials</i> , 2021, 11, 107.	4.1	6
30	K - Ca - Mg binary cation exchange in saline soils from the north of Chile. <i>Soil Research</i> , 2008, 46, 745.	1.1	5
31	Synthesis, characterization, and electrochemical studies of new 5- and 6-nitro N -acyl- H -indazoles. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1179-1187.	1.9	5
32	Sulfate Kinetics and Adsorption Studies on a Zeolite/Polyammonium Cation Composite for Environmental Remediation. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 180.	2.0	5
33	Physicochemical and Theoretical Characterization of a New Small Non-Metal Schiff Base with a Differential Antimicrobial Effect against Gram-Positive Bacteria. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2553.	4.1	5
34	New Cationic fac-[Re(CO) ₃ (deeb)B ₂] ⁺ Complex, Where B ₂ Is a Benzimidazole Derivative, as a Potential New Luminescent Dye for Proteins Separated by SDS-PAGE. <i>Frontiers in Chemistry</i> , 2021, 9, 647816.	3.6	3
35	Iron-bearing minerals from soils developing on volcanic materials from Southern Chile: Application in heterogeneous catalysis. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	3.4	2
36	dsDNA Sensing Capabilities of Metallopolymers Electrochemically Deposited from Ruthenium-Pyrrole and - Thiophene Complexes. <i>International Journal of Electrochemical Science</i> , 2019, , 8131-8140.	1.3	2

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37	ELECTRODE MODIFIED WITH A POLYMER OF ANILINE AND 3-HEXYLTHIOPHENE TO BE ASSAYED IN THE SELECTIVE DETERMINATION OF NITRATE. Journal of the Chilean Chemical Society, 2020, 65, 5023-5026.	1.2	2
38	Electrosynthesis and Characterisation of Polymer Nanowires from Thiophene and its Oligomers. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
39	Adsorption of Zerovalent Iron Nanoparticles in the Inorganic Fraction of Volcanic Soils. Journal of Soil Science and Plant Nutrition, 2022, 22, 2392-2405.	3.4	1
40	Charge Storage and Solar Rechargeable Battery Devices Based on Electrodes Electrochemically Modified with Conducting Polymer Nanowires. Polymers, 2021, 13, 4375.	4.5	1
41	Iron-bearing minerals from soils developing on volcanic materials from Southern Chile: Mineralogical characterisation supported by Mössbauer spectroscopy. Journal of Soil Science and Plant Nutrition, 2017, , 0-0.	3.4	0