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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Adsorption of Zerovalent Iron Nanoparticles in the Inorganic Fraction of Volcanic Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2392-2405.	3.4	1
3	Nanostructured TiO ₂ and PEDOT Electrodes with Photovoltaic Application. <i>Nanomaterials</i> , 2021, 11, 107.	4.1	6
4	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
5	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
6	Charge Storage and Solar Rechargeable Battery Devices Based on Electrodes Electrochemically Modified with Conducting Polymer Nanowires. <i>Polymers</i> , 2021, 13, 4375.	4.5	1
7	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
8	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
9	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) Tj ETQq1 1 03784314 rBT /Ove	3.7	14
10	Bioelectrochemical vs hydrogenophilic approach for CO ₂ reduction into methane and acetate. <i>Chemical Engineering Journal</i> , 2020, 396, 125243.	12.7	27
11	ELECTRODE MODIFIED WITH A POLYMER OF ANILINE AND 3-HEXYLTHIOPHENE TO BE ASSAYED IN THE SELECTIVE DETERMINATION OF NITRATE. <i>Journal of the Chilean Chemical Society</i> , 2020, 65, 5023-5026.	1.2	2
12	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
13	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
14	Electrochemical in situ synthesis of polypyrrole nanowires. <i>Electrochemistry Communications</i> , 2019, 102, 94-98.	4.7	32
15	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
16	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
17	Electrochemical behaviors and relativistic DFT calculations to understand the terminal ligand influence on the [Re ₆ (μ ₄ -Q) ₃ μ ₈ X ₆] ⁴⁺ clusters. <i>New Journal of Chemistry</i> , 2018, 42, 5471-5478.	2.8	12
18	Study of the structure-activity 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

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19	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
20	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
21	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
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	Two New Fluorinated Phenol Derivatives Pyridine Schiff Bases: Synthesis, Spectral, Theoretical Characterization, Inclusion in Epichlorohydrin- β -Cyclodextrin Polymer, and Antifungal Effect. <i>Frontiers in Chemistry</i> , 2018, 6, 312.	3.6	23
24	Substituted bidentate and ancillary ligands modulate the bioimaging properties of the classical $\text{Re}(\text{CO})_3$ tricarbonyl core with yeasts and bacteria. <i>New Journal of Chemistry</i> , 2017, 41, 2140-2147.	2.8	18
25	X-ray diffraction and relativistic DFT studies on the molecular biomarker $\text{fac-Re}(\text{CO})_3(4,4\text{-dimethyl-2,2-bpy})(\text{E-2-}[(3\text{-amino-pyridin-4-ylimino-methyl})\text{-4,6-di-tert-butylphenol}](\text{PF}_6))$. <i>Chemical Papers</i> , 2017, 71, 2011-2022.	2.2	6
26	Iron-bearing minerals from soils developing on volcanic materials from Southern Chile: Mineralogical characterisation supported by Mössbauer spectroscopy. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	3.4	0
27	Fluorescence probes for prokaryotic and eukaryotic cells using $\text{Re}(\text{CO})_3$ complexes with an electron withdrawing ancillary ligand. <i>New Journal of Chemistry</i> , 2016, 40, 7687-7700.	2.8	18
28	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
29	Electrosynthesis and Characterisation of Polymer Nanowires from Thiophene and its Oligomers. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	1
30	Experimental and theoretical studies of the ancillary ligand (E)-2-[(3-amino-pyridin-4-ylimino-methyl)-4,6-di-tert-butylphenol] in the rhenium (Re) core. <i>New Journal of Chemistry</i> , 2015, 39, 5725-5734.	2.8	19
31	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
32	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
33	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
34	Optimization of an anode for arsenic(V) extraction. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 867-874.	2.9	6
35	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
36	Synthesis, characterization, and electrochemical studies of new 5- and 6-nitro N -cylindrazoles. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1179-1187.	1.9	5

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37	Influence of the exciton blocking layer on the stability of layered organic solar cells. Journal of Physics and Chemistry of Solids, 2011, 72, 97-103.	4.0	37
38	Electrochemical preparation of MoO ₃ buffer layer deposited onto the anode in organic solar cells. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1905-1911.	1.8	18
39	OLIGOMER CHAIN LENGTH EFFECT ON THE NUCLEATION AND GROWTH MECHANISMS (NGM) OF POLYTHIOPHENE. Journal of the Chilean Chemical Society, 2009, 54, .	1.2	19
40	Electrosynthesis of polythiophene nanowires via mesoporous silica thin film templates. Electrochemistry Communications, 2009, 11, 2117-2120.	4.7	50
41	K - Ca - Mg binary cation exchange in saline soils from the north of Chile. Soil Research, 2008, 46, 745.	1.1	5