

Alvaro Mombrã

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6125804/publications.pdf>

Version: 2024-02-01

160
papers

2,909
citations

218381

26
h-index

223531

46
g-index

166
all docs

166
docs citations

166
times ranked

3864
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Is It Possible to Dope Single-Walled Carbon Nanotubes and Graphene with Sulfur?. ChemPhysChem, 2009, 10, 715-722. | 1.0 | 215 |
| 2 | Mechanical properties of graphene nanoribbons. Journal of Physics Condensed Matter, 2009, 21, 285304. | 0.7 | 158 |
| 3 | Electronic and Structural Distortions in Graphene Induced by Carbon Vacancies and Boron Doping. Journal of Physical Chemistry C, 2010, 114, 18961-18971. | 1.5 | 148 |
| 4 | Physico-chemical and antilisterial properties of nisin-incorporated chitosan/carboxymethyl chitosan films. Carbohydrate Polymers, 2019, 219, 334-343. | 5.1 | 106 |
| 5 | New Sesquiterpene Derivatives from the Red Alga Laurencia scoparia. Isolation, Structure Determination, and Anthelmintic Activity. Journal of Natural Products, 2001, 64, 1552-1555. | 1.5 | 93 |
| 6 | A New Indole Derivative from the Red Alga Chondria atropurpurea. Isolation, Structure Determination, and Anthelmintic Activity. Journal of Natural Products, 1998, 61, 1560-1563. | 1.5 | 88 |
| 7 | Multilevel ferromagnetic behavior of room-temperature bulk magnetic graphite. Physical Review B, 2005, 71, . | 1.1 | 87 |
| 8 | Optimization and characterization of nisin-loaded alginate-chitosan nanoparticles with antimicrobial activity in lean beef. LWT - Food Science and Technology, 2018, 91, 107-116. | 2.5 | 80 |
| 9 | Magnetism induced by single carbon vacancies in a three-dimensional graphitic network. Physical Review B, 2008, 77, . | 1.1 | 65 |
| 10 | Synthesis and Herbicidal Activity of N-Oxide Derivatives. Journal of Agricultural and Food Chemistry, 2000, 48, 2995-3002. | 2.4 | 54 |
| 11 | Comparison of standard DFT and Hubbard-DFT methods in structural and electronic properties of TiO ₂ polymorphs and H-titanate ultrathin sheets for DSSC application. Applied Surface Science, 2018, 428, 118-123. | 3.1 | 50 |
| 12 | Bisabolanes from the Red Alga Laurencia scoparia. Journal of Natural Products, 2006, 69, 1113-1116. | 1.5 | 47 |
| 13 | Rhenium(IV)-Copper(II) Heterobimetallic Complexes with a Bridge Malonato Ligand. Synthesis, Crystal Structure, and Magnetic Properties. Inorganic Chemistry, 2004, 43, 7823-7831. | 1.9 | 46 |
| 14 | A DFT study on structural, electronic, vibrational and thermodynamic properties of TiO ₂ polymorphs and hydrogen titanate: tuning the Hubbard U -term. Journal of Physics Communications, 2017, 1, 055006. | 0.5 | 45 |
| 15 | Re(V) complexes with amino acids based on the $\text{Re}^{3+2\text{e}^-}$ approach. Inorganica Chimica Acta, 2000, 306, 70-77.1.2 | | 44 |
| 16 | Synthesis and characterization of stable room temperature bulk ferromagnetic graphite. Carbon, 2006, 44, 565-569. | 5.4 | 40 |
| 17 | Enhancement of lithium conductivity and evidence of lithium dissociation for LLTO-PMMA nanocomposite electrolyte. Materials Letters, 2016, 172, 1-5. | 1.3 | 35 |
| 18 | Neutron powder diffraction study (T= 4.2-300 K) and polarization analysis of. Journal of Physics Condensed Matter, 1998, 10, 1247-1258. | 0.7 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis, characterization and crystal structures of rhenium(V) complexes with diphosphines. <i>Inorganica Chimica Acta</i> , 1999, 294, 47-55. | 1.2 | 34 |
| 20 | Current Trends in Materials for Dye Sensitized Solar Cells. <i>Recent Patents on Nanotechnology</i> , 2011, 5, 46-61. | 0.7 | 34 |
| 21 | Bisphosphonate metal complexes as selective inhibitors of <i>Trypanosoma cruzi</i> farnesyl diphosphate synthase. <i>Dalton Transactions</i> , 2012, 41, 6468. | 1.6 | 32 |
| 22 | Magnetic Structure of the Oxygen-Deficient Perovskite $\text{YBaCuFeO}_{5+\delta}$. <i>Inorganic Chemistry</i> , 1994, 33, 1255-1258. | 1.9 | 31 |
| 23 | Magnetism in multivacancy graphene systems. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 375304. | 0.7 | 31 |
| 24 | Cu(II) complexation with His α -Gly and His α -Ala. X-ray structure of $[\text{Cu}(\text{His}\alpha\text{-gly})_2(\text{H}_2\text{O})_2]\cdot 6\text{H}_2\text{O}$. <i>Inorganica Chimica Acta</i> , 2003, 355, 408-413. | 1.2 | 29 |
| 25 | Synthesis, crystal structure and magnetic properties of novel heterobimetallic malonate-bridged MIIIReIV complexes (M = Mn, Fe, Co and Ni). <i>Dalton Transactions</i> , 2007, , 5305. | 1.6 | 29 |
| 26 | A new structure in the $\text{REBaCuFeO}_{5+\delta}$ series: $\text{LaBaCuFeO}_{5+\delta}$. Structure and magnetic properties in the $\text{La}_{1-x}\text{Pr}_x\text{BaCuFeO}_{5+\delta}$ system. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 313, 105-114. | 0.6 | 28 |
| 27 | Physical properties of nanofluid suspension of ferromagnetic graphite with high Zeta potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 544-546. | 0.9 | 28 |
| 28 | Electronic and optical properties of sulfur and nitrogen doped graphene quantum dots: A theoretical study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 113, 130-136. | 1.3 | 28 |
| 29 | Sm(III) Complexation with amino acids. Crystal structures of $[\text{Sm}(\text{Pro})_6(\text{H}_2\text{O})_6](\text{ClO}_4)_6$ and $[\text{Sm}(\text{Asp})(\text{H}_2\text{O})_4]\text{Cl}_2$. <i>Dalton Transactions RSC</i> , 2002, , 4035-4041. | 2.3 | 26 |
| 30 | Ultrathin (001) and (100) $\text{TiO}_2(\text{B})$ sheets: Surface reactivity and structural properties. <i>Applied Surface Science</i> , 2014, 290, 180-187. | 3.1 | 26 |
| 31 | Influence of processing conditions on the crystal structure and magnetic behavior of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ samples. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 583-591. | 1.9 | 24 |
| 32 | Synthesis, Structural Characterization, and Proapoptotic Activity of α -Indanone Thiosemicarbazone Platinum(II) and Palladium(II) Complexes: Potential as Antileukemic Agents. <i>ChemMedChem</i> , 2011, 6, 1485-1494. | 1.6 | 24 |
| 33 | Use of bibliometric information to assist research policy making. A comparison of publication and citation profiles of Full and Associate Professors at a School of Chemistry in Uruguay. <i>Scientometrics</i> , 2006, 69, 287-313. | 1.6 | 23 |
| 34 | Experimental and theoretical Raman study on the structure and microstructure of $\text{Li}_{0.30}\text{La}_{0.57}\text{TiO}_3$ electrolyte prepared by the sol-gel method in acetic medium. <i>Ceramics International</i> , 2016, 42, 15414-15422. | 2.3 | 23 |
| 35 | Theoretical study of new potential semiconductor surfaces performance for dye sensitized solar cell usage: $\text{TiO}_2\text{-B}$ (001), (100) and $\text{H}_2\text{Ti}_3\text{O}_7$ (100). <i>Applied Surface Science</i> , 2017, 426, 1182-1189. | 3.1 | 23 |
| 36 | Enhancement of Lithium-Ion Transport in Poly(acrylonitrile) with Hydrogen Titanate Nanotube Fillers as Solid Polymer Electrolytes for Lithium-Ion Battery Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1492-1499. | 1.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Extrinsic properties of colossal magnetoresistive samples. <i>Solid State Communications</i> , 2004, 130, 31-36. | 0.9 | 21 |
| 38 | Electronic Structure of Edge-Modified Graphene Quantum Dots Interacting with Polyaniline: Vibrational and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16576-16583. | 1.5 | 21 |
| 39 | Possible doping of single-layer MoS ₂ with Pt: A DFT study. <i>Applied Surface Science</i> , 2018, 462, 409-416. | 3.1 | 21 |
| 40 | Tuning Electrical Transport Mechanism of Polyaniline-Graphene Oxide Quantum Dots Nanocomposites for Potential Electronic Device Applications. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25117-25123. | 1.5 | 20 |
| 41 | Characterization of titanate nanotubes for energy applications. <i>Journal of Energy Storage</i> , 2017, 12, 66-77. | 3.9 | 20 |
| 42 | Docetaxel in chitosan-based nanocapsules conjugated with an anti-Tn antigen mouse/human chimeric antibody as a promising targeting strategy of lung tumors. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 806-814. | 3.6 | 20 |
| 43 | Sm(III) complexation with β -amino acids. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 119-124. | 2.8 | 19 |
| 44 | Structural and magnetic study of LaBaCoCuO ₅ + δ . <i>Physical Review B</i> , 2005, 71, . | 1.1 | 19 |
| 45 | Synthesis and Spectroscopic Characterization of New Lead(II) Thiosaccharinates. Molecular Structure of Bis(thiosaccharinato)tetrakis(pyridine)dilead(II) and Thiosaccharinato-bis(1,10-phenantroline)lead(II) Thiosaccharinate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1066-1073. | 0.6 | 18 |
| 46 | In situ growth of ceramic quantum dots in polyaniline host via water vapor flow diffusion as potential electrode materials for energy applications. <i>Journal of Solid State Chemistry</i> , 2017, 250, 60-67. | 1.4 | 18 |
| 47 | Synthesis and Biological Evaluation of 1,2,5-Oxadiazole-N-Oxide Derivatives as Potential Hypoxic Cytotoxins and DNA-Binders. <i>Archiv Der Pharmazie</i> , 2000, 333, 387-393. | 2.1 | 17 |
| 48 | Novel synergistic in situ synthesis of lithium-ion poly(ethylene citrate)-TiO ₂ nanocomposites as promising fluorine-free solid polymer electrolytes for lithium batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 135, 109082. | 1.9 | 17 |
| 49 | Magneto-structural studies on heterobimetallic malonate-bridged MIIReIV complexes (M = Mn, Co, Ni) Tj ETQq1 1 0,784314 rgBT /Ov | 1.6 | 16 |
| 50 | Experimental and Theoretical Study of Ionic Pair Dissociation in a Lithium Ion-Linear Polyethylenimine-Polyacrylonitrile Blend for Solid Polymer Electrolytes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6759-6765. | 1.2 | 16 |
| 51 | Hydrogen titanate nanotubes for dye sensitized solar cells applications: Experimental and theoretical study. <i>Materials Research Bulletin</i> , 2018, 106, 40-48. | 2.7 | 16 |
| 52 | Curvature and vacancies in graphene quantum dots. <i>Applied Surface Science</i> , 2018, 462, 540-548. | 3.1 | 16 |
| 53 | The effect of manganite nanoparticle addition on the low field magnetoresistance of polyaniline. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12040-12047. | 2.7 | 15 |
| 54 | Novel fluorine-free 2,2-bis(4,5-dimethylimidazole) additive for lithium-ion poly(methyl methacrylate) solid polymer electrolytes. <i>RSC Advances</i> , 2016, 6, 67150-67156. | 1.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Raman and Impedance Spectroscopy under Applied Dc Bias Insights on the Electrical Transport for Donor:Acceptor Nanocomposites Based on Poly(vinyl carbazole) and TiO ₂ Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23383-23391. | 1.5 | 15 |
| 56 | Low-Temperature Magnetic Properties of LuBaCuFeO ₅ + δ and TmBaCuFeO ₅ + δ . <i>Journal of Solid State Chemistry</i> , 2002, 166, 251-258. | 1.4 | 14 |
| 57 | Preparation and crystal structure of new samarium complexes with glutamic acid. <i>Journal of Molecular Structure</i> , 2003, 660, 99-106. | 1.8 | 14 |
| 58 | Synthesis and Characterization of Heteroleptic Copper and Zinc Complexes with Saccharinate and Aminoacids. Evaluation of SOD-like Activity of the Copper Complexes. <i>Biological Trace Element Research</i> , 2011, 143, 1843-1855. | 1.9 | 14 |
| 59 | Unraveling the Lithium Bis(trifluoromethanesulfonyl)imide (LiTFSI) Doping Mechanism of Regioregular Poly(3-hexylthiophene): Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7061-7070. | 1.5 | 14 |
| 60 | Synthesis, characterization and spectroscopic properties of [Cu(alkylisocyanide) ₄]BF ₄ complexes. X-ray crystal structures of [Cu(MIBI) ₄]BF ₄ and [Cu(CPI) ₄]BF ₄ . <i>Polyhedron</i> , 1997, 16, 2397-2403. | 1.0 | 13 |
| 61 | Raman Microscopy Insights on the Out-of-Plane Electrical Transport of Carbon Nanotube-Doped PEDOT:PSS Electrodes for Solar Cell Applications. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2694-2701. | 1.2 | 13 |
| 62 | Synthesis, characterization and simulation of lithium titanate nanotubes for dye sensitized solar cells. <i>Ceramics International</i> , 2019, 45, 708-717. | 2.3 | 13 |
| 63 | Structural and conformational analysis of Tcv and Rev dioxo complexes. X-ray crystal structure of [TcO ₂ (tn) ₂] \cdot H ₂ O. <i>Polyhedron</i> , 1997, 16, 3311-3316. | 1.0 | 12 |
| 64 | Chemoenzymatic synthesis of chiral enones from aromatic compounds. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2453-2459. | 1.8 | 12 |
| 65 | Synthesis, spectroscopic characterization and crystal structure of disulfamethoxazole diaquo Ni(II) monohydrate. <i>Journal of Coordination Chemistry</i> , 2005, 58, 513-520. | 0.8 | 12 |
| 66 | Comparative study of nanoporous Ln-Cu coordination polymers containing iminodiacetate as bridging ligand. <i>Journal of Molecular Structure</i> , 2011, 1004, 215-221. | 1.8 | 12 |
| 67 | Effect of lanthanide on the microstructure and structure of LnMn _{0.5} Fe _{0.5} O ₃ nanoparticles with Ln=La, Pr, Nd, Sm and Gd prepared by the polymer precursor method. <i>Journal of Solid State Chemistry</i> , 2015, 221, 325-333. | 1.4 | 12 |
| 68 | A step forward towards the structural characterization of Na ₂ Ti ₂ O ₅ \cdot H ₂ O nanotubes and their correlation with optical and electric transport properties. <i>Ceramics International</i> , 2020, 46, 2877-2886. | 2.3 | 12 |
| 69 | (Acetato-O,O')(acetato-O)(2,9-dimethyl-1,10-phenanthroline-N,N')zinc(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 308-310. | 0.4 | 11 |
| 70 | Synthesis, characterization, and magnetic properties of room-temperature nanofluid ferromagnetic graphite. <i>Applied Physics Letters</i> , 2009, 95, 233120. | 1.5 | 11 |
| 71 | Synthesis of 9-Substituted-1,8-Dioxooctahydroxanthenes by an Efficient Iodine-Catalyzed Cyclization. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3052-3057. | 1.2 | 11 |
| 72 | Polyaniline intercalated with MoS ₂ nanosheets: structural, electric and thermoelectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17445-17453. | 1.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Re(V) complexes formed by metal-assisted solvolysis of di-(2-pyridyl)ketone: Synthesis, X-ray studies, redox behavior and DFT calculations. <i>Inorganica Chimica Acta</i> , 2011, 376, 105-111. | 1.2 | 10 |
| 74 | Influence of the structural configuration on the stability and magnetism in multivacancy graphene systems. <i>Computational Materials Science</i> , 2015, 97, 193-200. | 1.4 | 10 |
| 75 | Microstructure evolution, thermal stability and fractal behavior of water vapor flow assisted in situ growth poly(vinylcarbazole)-titania quantum dots nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 199-206. | 1.9 | 10 |
| 76 | Synthesis, Characterization, and Crystal Structure of [ReO(Me4tu)4](PF6)3 (tu=thiourea). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 813-819. | 0.6 | 9 |
| 77 | Influence of oxygen disorder on the magnetic properties of LaBaCuFeO5+ δ : an EXAFS and neutron diffraction study. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 356, 149-159. | 0.6 | 9 |
| 78 | Sm(III) complexation with small peptides. Crystal structure of [Sm2(Gly=Val)4(H2O)8](ClO4)6 \cdot 2H2O. <i>Inorganica Chimica Acta</i> , 2003, 355, 442-448. | 1.2 | 9 |
| 79 | The Electrochemical Development of Pt(111) Stepped Surfaces and Its Influence on Methanol Electrooxidation. <i>International Journal of Electrochemistry</i> , 2011, 2011, 1-9. | 2.4 | 9 |
| 80 | Interphase and magnetotransport of LSMO-PMMA nanocomposites obtained by a sonochemical method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 382, 342-348. | 1.0 | 9 |
| 81 | Effect of graphene-oxide on the microstructure and charge carrier transport of polyaniline nanocomposites under low applied electric fields. <i>Journal of Applied Physics</i> , 2017, 121, . | 1.1 | 9 |
| 82 | Lithium titanate nanotubes as active fillers for lithium-ion polyacrylonitrile solid polymer electrolytes. <i>Ionics</i> , 2019, 25, 2607-2614. | 1.2 | 9 |
| 83 | catena-Poly[[[bis(2-pyridyl) ketone-N,N']copper(II)-di- $\frac{1}{4}$ -chloro]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1989-1991. | 0.4 | 8 |
| 84 | Cationic complexes of Re with dppm (bis(diphenylphosphinomethane)). Crystal structure of [Re(dppm)3]I \cdot CH3OH \cdot CH2Cl2. <i>Polyhedron</i> , 2000, 19, 2249-2254. | 1.0 | 8 |
| 85 | X-Ray Study of Two ZnII and CdII 2,2'-Dipyridylamine Thiosulfate Compounds. <i>Australian Journal of Chemistry</i> , 2001, 54, 193. | 0.5 | 8 |
| 86 | Topography changes of rhodium electrodes induced by the application of fast periodic potential routines. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 208-216. | 1.2 | 8 |
| 87 | Physical properties of single-crystalline fibers of the colossal-magnetoresistance manganite La0.7Ca0.3MnO3. <i>Applied Physics Letters</i> , 2003, 83, 3135-3137. | 1.5 | 8 |
| 88 | ReO2+chelates with aliphatic diamines. Structural and proton transfer properties. <i>New Journal of Chemistry</i> , 2006, 30, 1650-1654. | 1.4 | 8 |
| 89 | Raman characterization of bulk ferromagnetic nanostructured graphite. <i>Physica B: Condensed Matter</i> , 2012, 407, 3206-3209. | 1.3 | 8 |
| 90 | Influence of iron impurities on defected graphene. <i>Chemical Physics</i> , 2015, 449, 14-22. | 0.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Development and Characterization of Vitamin A-Loaded Solid Lipid Nanoparticles for Topical Application. <i>Journal of the Brazilian Chemical Society</i> , 0, , . | 0.6 | 8 |
| 92 | Short- and long-range structure correlations with ionic transport near the glass transition for lithium-ion polyacrylonitrile-based electrolytes using DMSO plasticizer. <i>Journal of Non-Crystalline Solids</i> , 2021, 561, 120744. | 1.5 | 8 |
| 93 | Tetraaqua(2,2'-bipyridyl-N,N')cadmium(II) sulfate and catena-poly[[[diaqua(2,2'-bipyridyl-N,N')cadmium(II)]-1/4-(sulfato-O:O')] hydrate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1457-1460. | 0.4 | 7 |
| 94 | [ReO ₂ (dppp) ₂] _x [ReO ₄] _{1-x} ·xH ₂ O·CH ₃ OH for x = 0.17 (1), 0.36 (1) and 1 [dppp is 1,3-bis(diphenylphosphino)propane]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1785-1789. | 0.4 | 7 |
| 95 | Three new ZnII sulfate complexes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 771-774. | 0.4 | 7 |
| 96 | Two natural products from the algae <i>Laurencia scoparia</i> . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 286-288. | 0.4 | 7 |
| 97 | Manifestation of finite temperature size effects in nanogranular magnetic graphite. <i>Journal of Applied Physics</i> , 2009, 106, . | 1.1 | 7 |
| 98 | Microstructure, interparticle interactions and magnetotransport of manganite-polyaniline nanocomposites. <i>Materials Chemistry and Physics</i> , 2016, 171, 178-184. | 2.0 | 7 |
| 99 | The structural and organic magnetoresistance response of poly(9-vinyl carbazole) using low applied magnetic fields and magnetic nanoparticle addition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3779-3787. | 2.7 | 7 |
| 100 | From positive to negative magnetoresistance behavior at low applied magnetic fields for polyaniline:titania quantum dot nanocomposites. <i>Journal of Applied Physics</i> , 2017, 121, 245106. | 1.1 | 7 |
| 101 | Tris(2,2'-bipyridyl-N,N')nickel(II) thiosulfate heptahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 541-543. | 0.4 | 6 |
| 102 | Crystallographic, microstructural and magnetic properties of polycrystalline PrBa ₂ Cu ₃ O _{7-δ} . <i>Superconductor Science and Technology</i> , 2001, 14, 522-527. | 1.8 | 6 |
| 103 | Synthesis, crystal structures, electrochemical and magnetic properties of polynuclear {Fe ₄ } and {Fe ₈ Na ₄ } carboxylate/picolinate clusters. <i>Inorganica Chimica Acta</i> , 2011, 370, 427-434. | 1.2 | 6 |
| 104 | Role of surface defects on the adsorption of poly(9-vinylcarbazole) on TiO ₂ using the monomer as a donor:acceptor model. <i>Applied Surface Science</i> , 2019, 487, 1104-1110. | 3.1 | 6 |
| 105 | Insights of cobalt doping on carbon-coated LiFePO ₄ olivine nanoparticles prepared by citric acid combustion route as cathodes for lithium batteries. <i>Ionics</i> , 2019, 25, 3593-3601. | 1.2 | 6 |
| 106 | Transition from positive to negative electrical resistance response under humidity conditions for PEDOT:PSS-MoS ₂ nanocomposite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5959-5964. | 1.1 | 6 |
| 107 | Tris(1,10-phenanthroline)nickel(II) dinitrate thiourea monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1991-1993. | 0.4 | 6 |
| 108 | Ab Initio Molecular Dynamics Assessment on the Mixed Ionic-Electronic Transport for Crystalline Poly(3-Hexylthiophene) Using Full Explicit Lithium-Based Dopants and Additives. <i>Macromolecules</i> , 2022, 55, 113-124. | 2.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Hybrid Organic-Inorganic Materials and Interfaces With Mixed Ionic-Electronic Transport Properties: Advances in Experimental and Theoretical Approaches. <i>Frontiers in Chemistry</i> , 2022, 10, 892013. | 1.8 | 6 |
| 110 | 2,9-Dimethyl-1,10-phenanthroline Dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 1900-1902. | 0.4 | 5 |
| 111 | [Co(phen)(thiourea)(H ₂ O)Cl ₂].thiourea (phen is 1,10-phenanthroline). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 2065-2068. | 0.4 | 5 |
| 112 | [ReIII(thiourea-S) ₆]Cl ₃ ·4H ₂ O and [ReIII(N-methylthiourea-S) ₆]Cl ₃ as Precursors to other ReIII Complexes: a Kinetic Study in Aqueous Media. Crystal Structure of [ReIII(N-methylthiourea-S) ₆](PF ₆) ₃ ·H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 1866-1872. | 0.6 | 5 |
| 113 | catena-Poly[[diaqua(1,10-phenanthroline-N,N'-di)manganese(II)] ^{1/4} -(thiosulfato-O:S)] and bis(2,2'-bipyridyl-N,N'-di)(tetrathionato-O,O'-di)manganese(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 14-17. | 0.4 | 5 |
| 114 | Microstructural and magnetotransport studies of novel manganite/sebacic acid nanocomposites prepared at low temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 490-495. | 1.0 | 5 |
| 115 | Possible causes for rippling in a multivacancy graphene system. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25529. | 1.0 | 5 |
| 116 | Sulfur doping in multivacancy graphene systems. <i>Applied Surface Science</i> , 2018, 459, 336-344. | 3.1 | 5 |
| 117 | Local structure and magnetic properties of Mn ³⁺ -O ²⁻ -Fe ³⁺ superexchange interaction in an oxygen-vacant perovskite: Experimental and theoretical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 224-230. | 1.0 | 5 |
| 118 | Extremely Large Magnetic-Field-Effects on the Impedance Response of TiO ₂ Quantum Dots. <i>Scientific Reports</i> , 2019, 9, 5322. | 1.6 | 5 |
| 119 | Mini-Review: Mixed Ionic-Electronic Charge Carrier Localization and Transport in Hybrid Organic-Inorganic Nanomaterials. <i>Frontiers in Chemistry</i> , 2020, 8, 537. | 1.8 | 5 |
| 120 | Insights on the structural and electrical transport of sodium titanate nanotubes decorated with CuInS ₂ quantum dots heterostructures. <i>Applied Surface Science</i> , 2021, 535, 147733. | 3.1 | 5 |
| 121 | Stability Issues and Structure-Sensitive Magnetic Properties of Nanofluid Ferromagnetic Graphite. <i>Journal of Nanofluids</i> , 2012, 1, 143-147. | 1.4 | 5 |
| 122 | Structural Transition in the La _{2-x} Nd _x CuO ₄ System. <i>Journal of Solid State Chemistry</i> , 1998, 140, 345-349. | 1.4 | 4 |
| 123 | Mixed stacking and stoichiometry in a π-molecular complex between fluorene and 1,3,5-trinitrobenzene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1170-1173. | 0.4 | 4 |
| 124 | Structural, thermal and magnetic properties of Pr-123 polycrystalline and thin film superconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 283-284. | 1.0 | 4 |
| 125 | Elastic properties of polycrystalline YBa ₂ Cu ₃ O _{7-δ} : Evidence for granularity induced martensitic behavior. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 433, 50-58. | 0.6 | 4 |
| 126 | Temperature oscillations of magnetization observed in nanofluid ferromagnetic graphite. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 495303. | 0.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Structural and theoretical studies of (E,E)-benzaldehyde azine and its rhenium(IV) complex. Journal of Molecular Structure, 2010, 963, 9-15. | 1.8 | 4 |
| 128 | TiO ₂ (B) and Anatase Angstrom-Scale Wires: A Theoretical Study. Journal of Physical Chemistry C, 2018, 122, 3363-3370. | 1.5 | 4 |
| 129 | First row transition metal atoms embedded in multivacancies in a rippled graphene system. Applied Surface Science, 2018, 435, 102-107. | 3.1 | 4 |
| 130 | Optical, electrical and structural properties of Fe doped sodium titanate nanostructures. Applied Surface Science, 2021, 552, 149534. | 3.1 | 4 |
| 131 | Three Isostructural Furosemide Prodrugs. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 1911-1915. | 0.4 | 3 |
| 132 | Magnetic properties of polycrystalline Pr _x Y _{1-x} Ba ₂ Cu ₃ O _{7-x} . Journal of Magnetism and Magnetic Materials, 2008, 320, e504-e506. | 1.0 | 3 |
| 133 | Tetrakis[4-(3-phenoxyphenyl)propionato-2-O]bis[(dimethylformamide-O)copper(II)]. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1612-m1613. | 0.2 | 3 |
| 134 | Control of Cryopreservation Procedures on Blood Vessels Using Fiber X-Ray Diffraction. Transplantation Proceedings, 2008, 40, 668-674. | 0.3 | 3 |
| 135 | Modulation of the Physicochemical Properties of Heteropolynuclear Assemblies Containing Lanthanide Ions and 2,2'-oxydiacetate. Macromolecular Symposia, 2011, 304, 72-79. | 0.4 | 3 |
| 136 | The conformations of two copper(I) complexes of 1 <i>H</i> -benzimidazole-2(3 <i>H</i>)-thione and thiosaccharinate. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, m12-m16. | 0.4 | 3 |
| 137 | Crystal structure and absolute configuration of (3 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,7 <i>aR</i>)-2,2,7-trimethyl-3 <i>a</i> ,4,5,7 <i>a</i> -tetrahydro-1,3-benzodioxole-4,5-diol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1013-1016. | 0.2 | 3 |
| 138 | From Chain- to Graphene-like Hydroxyl-terminated (ZnO) _n Clusters with <i>n</i> = 6 Obtained via Zinc Dimethoxide Hydrolysis and Condensation: <i>Ab initio</i> Structural, Electronic, Vibrational and Optical Properties Calculations. ChemPhysChem, 2021, 22, 849-863. | 1.0 | 3 |
| 139 | Enhancement of crystallinity in YBa ₂ Cu ₃ O _{7-x} ceramic by water or NaOH solution attack. Physica C: Superconductivity and Its Applications, 1993, 209, 191-194. | 0.6 | 2 |
| 140 | Enhancement of crystallinity in YBa ₂ Cu ₃ O _{7-x} ceramic by water or NaOH solution attack. Materials Letters, 1993, 16, 57-60. | 1.3 | 2 |
| 141 | Acetoxymethyl 4-Chloro-N-furfuryl-5-sulfamoylanthranilate, an Absorption Furosemide Prodrug. Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 2875-2878. | 0.4 | 2 |
| 142 | Two absorption furosemide prodrugs. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 413-416. | 0.4 | 2 |
| 143 | Marchantin M trimethyl ether. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 1374-1376. | 0.4 | 2 |
| 144 | Bis[chlorobis(1,10-phenanthroline-N,N')](thiourea-S)nickel(II) chloride nitrate diethanol solvate. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 179-181. | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Mechanical properties and electronic structure of edge-doped graphene nanoribbons with F, O, and Cl atoms. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21474-21480. | 1.3 | 2 |
| 146 | Role of conducting polyaniline interphase on the low field magnetoresistance for LSMO-PANI nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 446-451. | 1.0 | 2 |
| 147 | trans-Myristic Acid 3-tert-Butoxycarbonylamino-2-oxopiperidin-5-yl Ester, a New Anthelmintic Compound. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1682-1685. | 0.4 | 1 |
| 148 | 1,4,4-Trimethyl-9-phenyl-8-oxa-9-azabicyclo[3.2.2]non-6-en-2-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 672-673. | 0.4 | 1 |
| 149 | (S)-Tricarbonyl[(1,2,3,4- λ^1)-(5R,6S)-1-chloro-5,6-dimethoxycyclohexa-1,3-diene]iron(0). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 820-821. | 0.4 | 1 |
| 150 | Structural study in the (La,Nd) $2\delta^{\sim}$ xSrxCuO4 system. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 807-809. | 0.6 | 1 |
| 151 | Aqua(L-phenylalaninato)(L-prolinato)copper(II) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m3459-m3461. | 0.2 | 1 |
| 152 | Hybrid compounds based on fullerene and polycyclic aromatic hydrocarbons with absorption in the near infrared region. <i>Computational and Theoretical Chemistry</i> , 2013, 1018, 50-58. | 1.1 | 1 |
| 153 | Emulating porphyrins with a rippled multivacancy graphene system. <i>Applied Surface Science</i> , 2018, 436, 1173-1180. | 3.1 | 1 |
| 154 | Raman spectroscopy signatures for monomeric, dimeric and trimeric zinc dimethoxide with tetrahydrofuran adduct and early hydrolysis-condensation products on Au(111) surface: theoretical and experimental approach. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 102, 160-171. | 1.1 | 1 |
| 155 | 3-(3-Indolyl)acrylamide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 211-213. | 0.4 | 0 |
| 156 | (1S,2S,5S,6S)-5,6-Dihydroxy-6-methylcyclohex-3-en-1,2-diyl diacetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1347-1349. | 0.4 | 0 |
| 157 | 7-Hydroxy-2,2,7-trimethylperhydronaphthalene-1,5-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1444-o1446. | 0.2 | 0 |
| 158 | CONTENEDORES, INSTRUMENTOS Y PIGMENTOS: UNA APROXIMACIÓN ARQUEOMÉTRICA A LOS PROCESOS DE PRODUCCIÓN Y USO EN LAS SOCIEDADES DEL HOLOCENO TARDÍO EN LOS HUMEDALES DEL SANTA LUCÍA, URUGUAY. <i>Chungara</i> , 2015, , 0-0. | 0.0 | 0 |
| 159 | p- and n-type doping with strontium and cerium in the biphasic La 1.55 Nd 0.45 CuO 4 system. <i>Materials Research Bulletin</i> , 2018, 97, 136-141. | 2.7 | 0 |
| 160 | Synthesis and characterization of a bovine collagen: GAG scaffold with Uruguayan raw material for tissue engineering. <i>Cell and Tissue Banking</i> , 2024, 25, 123-142. | 0.5 | 0 |