

Iztok Turel

List of Publications by Year in descending order

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158
papers

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74
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times ranked

5642
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The interactions of metal ions with quinolone antibacterial agents. <i>Coordination Chemistry Reviews</i> , 2002, 232, 27-47. | 18.8 | 491 |
| 2 | Interaction of copper(II) with the non-steroidal anti-inflammatory drugs naproxen and diclofenac: Synthesis, structure, DNA- and albumin-binding. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 476-489. | 3.5 | 253 |
| 3 | In vitro study of the insulin-mimetic behaviour of vanadium(IV, V) coordination compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 384-396. | 2.6 | 220 |
| 4 | Interaction of Zn(II) with quinolone drugs: Structure and biological evaluation. <i>Dalton Transactions</i> , 2011, 40, 9461. | 3.3 | 141 |
| 5 | Click-Triazole N2 Coordination to Transition-Metal Ions Is Assisted by a Pendant Pyridine Substituent. <i>Inorganic Chemistry</i> , 2010, 49, 4820-4829. | 4.0 | 120 |
| 6 | Crystal structure of ciprofloxacin hexahydrate and its characterization. <i>International Journal of Pharmaceutics</i> , 1997, 152, 59-65. | 5.2 | 117 |
| 7 | Cobalt(II) complexes with non-steroidal anti-inflammatory drug tolfenamic acid: Structure and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2012, 48, 132-142. | 5.5 | 109 |
| 8 | Physicochemical Studies and Anticancer Potency of Ruthenium(II)-Cymene Complexes Containing Antibacterial Quinolones. <i>Organometallics</i> , 2011, 30, 2506-2512. | 2.3 | 105 |
| 9 | New Uses for Old Drugs: Attempts to Convert Quinolone Antibacterials into Potential Anticancer Agents Containing Ruthenium. <i>Inorganic Chemistry</i> , 2013, 52, 9039-9052. | 4.0 | 102 |
| 10 | First Ruthenium Organometallic Complex of Antibacterial Agent Ofloxacin. Crystal Structure and Interactions with DNA. <i>Inorganic Chemistry</i> , 2010, 49, 10750-10752. | 4.0 | 100 |
| 11 | Crystal structure and characterization of the bismuth(III) compound with quinolone family member (ciprofloxacin). Antibacterial study. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 241-245. | 3.5 | 98 |
| 12 | Mixed-valence Cu(II)/Cu(I) complex of quinolone ciprofloxacin isolated by a hydrothermal reaction in the presence of L-histidine: comparison of biological activities of various copper(II)-ciprofloxacin compounds. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 432-442. | 3.5 | 98 |
| 13 | First- and second-generation quinolone antibacterial drugs interacting with zinc(II): Structure and biological perspectives. <i>Journal of Inorganic Biochemistry</i> , 2013, 121, 53-65. | 3.5 | 98 |
| 14 | Synthesis, characterization, cytotoxic activity and DNA binding properties of the novel dinuclear cobalt(III) complex with the condensation product of 2-acetylpyridine and malonic acid dihydrazide. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1196-1203. | 3.5 | 97 |
| 15 | Interactions of oxovanadium(IV) and the quinolone family member ciprofloxacin. <i>Journal of Inorganic Biochemistry</i> , 2003, 95, 199-207. | 3.5 | 96 |
| 16 | X-Ray crystallographic, NMR and antimicrobial activity studies of magnesium complexes of fluoroquinolones racemic ofloxacin and its S-form, levofloxacin. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1755-1763. | 3.5 | 96 |
| 17 | Synthesis, characterization, and crystal structure of a copper(II) complex with quinolone family member (ciprofloxacin) hexahydrate. <i>Journal of Inorganic Biochemistry</i> , 1994, 56, 273-282. | 3.5 | 94 |
| 18 | Antioxidant activity and interaction with DNA and albumins of zinc(II)-tolfenamate complexes. Crystal structure of [Zn(tolfenamate) ₂ (2,2'-dipyridylketoneoxime) ₂]. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 187-198. | 5.5 | 93 |

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|----|---|-----|-----------|
| 19 | Antioxidant capacity and DNA-interaction studies of zinc complexes with a non-steroidal anti-inflammatory drug, mefenamic acid. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 85-96. | 3.5 | 90 |
| 20 | Complexes of copper (II) acetate with nicotinamide: preparation, characterization and fungicidal activity; crystal structures of $[Cu_2(O_2CCH_3)_4(nia)]$ and $[Cu_2(O_2CCH_3)_4(nia)_2]$. <i>Polyhedron</i> , 1999, 18, 755-762. | 2.2 | 89 |
| 21 | Antibacterial tests of Bismuth(III)-Quinolone (Ciprofloxacin, cf) compounds against <i>Helicobacter pylori</i> and some other bacteria. Crystal structure of $(cfH_2)_2[Bi_2Cl_{10}] \cdot 4H_2O$. <i>Journal of Inorganic Biochemistry</i> , 1998, 71, 53-60. | 3.5 | 88 |
| 22 | Structural characterization and biological evaluation of a ciprofloxacin-ruthenium complex with copper-independent antileukaemic activity. <i>Dalton Transactions</i> , 2014, 43, 9045-9051. | 3.3 | 88 |
| 23 | Complex formation between some metals and a quinolone family member (ciprofloxacin). <i>Polyhedron</i> , 1996, 15, 269-275. | 2.2 | 87 |
| 24 | Copper(II) complexes with antimicrobial drug flumequine: Structure and biological evaluation. <i>Journal of Inorganic Biochemistry</i> , 2012, 113, 55-65. | 3.5 | 86 |
| 25 | Different types of copper complexes with the quinolone antimicrobial drugs ofloxacin and norfloxacin: Structure, DNA- and albumin-binding. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 35-47. | 3.5 | 85 |
| 26 | Nickel-quinolones interaction. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1273-1285. | 3.5 | 84 |
| 27 | Synthesis, crystal structure, and characterization of three novel compounds of the quinolone family member (norfloxacin). <i>Journal of Inorganic Biochemistry</i> , 1996, 61, 197-212. | 3.5 | 83 |
| 28 | Manganese(II) Complexes with the Non-steroidal Anti-Inflammatory Drug Tolfenamic Acid: Structure and Biological Perspectives. <i>Inorganic Chemistry</i> , 2014, 53, 2040-2052. | 4.0 | 78 |
| 29 | 1-(2-Picolyl)-substituted 1,2,3-triazole as novel chelating ligand for the preparation of ruthenium complexes with potential anticancer activity. <i>Dalton Transactions</i> , 2011, 40, 5188. | 3.3 | 75 |
| 30 | Interactions of Metal Ions with DNA, Its Constituents and Derivatives, which may be Relevant for Anticancer Research. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2661-2687. | 2.1 | 75 |
| 31 | Structure-Related Mode-of-Action Differences of Anticancer Organoruthenium Complexes with β^2 -Diketonates. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3984-3996. | 6.4 | 74 |
| 32 | Non-steroidal anti-inflammatory drug diflunisal interacting with Cu(II). Structure and biological features. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1645-1655. | 3.5 | 73 |
| 33 | New Water-Soluble Ruthenium(II) Terpyridine Complexes for Anticancer Activity: Synthesis, Characterization, Activation Kinetics, and Interaction with Guanine Derivatives. <i>Inorganic Chemistry</i> , 2014, 53, 6113-6126. | 4.0 | 73 |
| 34 | Cobalt(II) complexes with the antimicrobial drug enrofloxacin: Structure, antimicrobial activity, DNA- and albumin-binding. <i>European Journal of Medicinal Chemistry</i> , 2014, 86, 189-201. | 5.5 | 70 |
| 35 | Zinc complexes with the quinolone antibacterial drug flumequine: structure, DNA- and albumin-binding. <i>New Journal of Chemistry</i> , 2013, 37, 342-355. | 2.8 | 65 |
| 36 | Nickel-quinolones interaction. Part 2 - Interaction of nickel(II) with the antibacterial drug oxolinic acid. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 161-170. | 3.5 | 63 |

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|----|--|------|-----------|
| 37 | Interaction between ciprofloxacin and DNA mediated by Mg ²⁺ -ions. <i>Inorganica Chimica Acta</i> , 2002, 339, 239-247. | 2.4 | 62 |
| 38 | Synthesis and Biological Evaluation of the Thionated Antibacterial Agent Nalidixic Acid and Its Organoruthenium(II) Complex. <i>Organometallics</i> , 2012, 31, 5867-5874. | 2.3 | 62 |
| 39 | β-Diketones as Scaffolds for Anticancer Drug Design – From Organic Building Blocks to Natural Products and Metallodrug Components. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1655-1666. | 2.0 | 59 |
| 40 | Influence of copper(II) and magnesium(II) ions on the ciprofloxacin binding to DNA. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 407-415. | 3.5 | 58 |
| 41 | Structure, antimicrobial activity, albumin- and DNA-binding of manganese(II)-sparfloxacinato complexes. <i>RSC Advances</i> , 2015, 5, 11861-11872. | 3.6 | 58 |
| 42 | Cobalt(II) complexes with non-steroidal anti-inflammatory drugs and 1,2-diimines. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 125-139. | 3.5 | 58 |
| 43 | Pyridyl Conjugated 1,2,3-Triazole is a Versatile Coordination Ability Ligand Enabling Supramolecular Associations. <i>Crystal Growth and Design</i> , 2010, 10, 4920-4927. | 3.0 | 55 |
| 44 | Nickel(II)-quinolones interaction Part 3 – Nickel(II) complexes of the antibacterial drug flumequine. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 740-749. | 3.5 | 54 |
| 45 | Synthesis, crystal structure, and characterization of two metal-quinolone compounds. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 77-82. | 3.5 | 53 |
| 46 | Cobalt(II) complexes with the quinolone antimicrobial drug oxolinic acid: structure and biological perspectives. <i>RSC Advances</i> , 2015, 5, 36353-36367. | 3.6 | 53 |
| 47 | Synthesis and Biological Evaluation of Organoruthenium Complexes with Azole Antifungal Agents. First Crystal Structure of a Tioconazole Metal Complex. <i>Organometallics</i> , 2014, 33, 1594-1601. | 2.3 | 51 |
| 48 | Solution, solid state and biological characterization of ruthenium(III)-DMSO complexes with purine base derivatives. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 393-401. | 3.5 | 47 |
| 49 | Synthesis, Characterization, Catalytic Activity, and DFT Calculations of Zn(II) Hydrazone Complexes. <i>Molecules</i> , 2020, 25, 4043. | 3.8 | 47 |
| 50 | Metal- and metalloid-based compounds to target and reverse cancer multidrug resistance. <i>Drug Resistance Updates</i> , 2021, 58, 100778. | 14.4 | 45 |
| 51 | Cobalt(II) complexes of sparfloxacin: Characterization, structure, antimicrobial activity and interaction with DNA and albumins. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 18-27. | 3.5 | 44 |
| 52 | A new class of platinum(II) complexes with the phosphine ligand pta which show potent anticancer activity. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 39-53. | 6.0 | 44 |
| 53 | Synthesis, characterization and DNA binding of magnesium(II)-ciprofloxacin (cfH) complex [Mg(cf)2]·2.5H ₂ O. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1705-1713. | 3.5 | 43 |
| 54 | Structure, DNA- and albumin-binding of the manganese(II) complex with the non-steroidal antiinflammatory drug niflumic acid. <i>Polyhedron</i> , 2013, 53, 215-222. | 2.2 | 43 |

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|----|---|-----|-----------|
| 55 | Crystal Structure of Ciprofloxacin Hydrochloride 1.34-Hydrate.. Analytical Sciences, 2003, 19, 329-330. | 1.6 | 38 |
| 56 | Comparative antitumor studies of organoruthenium complexes with 8-hydroxyquinolines on 2D and 3D cell models of bone, lung and breast cancer. Metallomics, 2019, 11, 666-675. | 2.4 | 37 |
| 57 | Comparison of the thermal stability of ciprofloxacin and its compounds. Thermochemica Acta, 1996, 287, 311-318. | 2.7 | 36 |
| 58 | Characterization of ciprofloxacin binding to the linear single- and double-stranded DNA. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2003, 1628, 111-122. | 2.4 | 36 |
| 59 | Synthesis, structure and biological activity of copper(II) complexes with gatifloxacin. Polyhedron, 2016, 119, 359-370. | 2.2 | 36 |
| 60 | Synthesis and biological characterization of organoruthenium complexes with 8-hydroxyquinolines. Journal of Inorganic Biochemistry, 2018, 186, 187-196. | 3.5 | 36 |
| 61 | Compounds of Antibacterial Agent Ciprofloxacin and Magnesium - Crystal Structures and Molecular Modeling Calculations. European Journal of Inorganic Chemistry, 2008, 2008, 3718-3727. | 2.0 | 35 |
| 62 | An Adduct of Magnesium Sulfate with a Member of the Quinolone Family (Ciprofloxacin). Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 2443-2445. | 0.4 | 33 |
| 63 | Clioquinolâ€™ruthenium complex impairs tumour cell invasion by inhibiting cathepsin B activity. Dalton Transactions, 2016, 45, 16913-16921. | 3.3 | 33 |
| 64 | Synthesis and characterization of copper(II) coordination compounds with acyclovir: crystal structure of triaquabis [9-{{2-hydroxyethoxy)methyl}guanine] copper(II) nitrate (V) hydrate. Polyhedron, 1997, 16, 1701-1706. | 2.2 | 31 |
| 65 | New studies in the copper(II) acyclovir (acv) system. NMR relaxation studies and the X-ray crystal structure of [Cu(acv)2(H2O)2](NO3)2. Polyhedron, 1998, 17, 4195-4201. | 2.2 | 31 |
| 66 | Manganese(II) complexes of the quinolone family member flumequine: Structure, antimicrobial activity and affinity for albumins and calf-thymus DNA. Polyhedron, 2018, 145, 166-175. | 2.2 | 31 |
| 67 | Ruthenium complexes with purine derivatives: Syntheses, structural characterization and preliminary studies with plasmidic DNA. Inorganic Chemistry Communication, 2005, 8, 800-804. | 3.9 | 30 |
| 68 | Pyridine-based ruthenium complexes as inhibitors of aldoâ€™keto reductase 1C enzymes and anticancer agents. Dalton Transactions, 2016, 45, 11791-11800. | 3.3 | 30 |
| 69 | Synthesis and structure of diaquadichlorobis {9-[(2-hydroxyethoxy)methyl]guanine} copper(II). Journal of Inorganic Biochemistry, 1993, 51, 737-744. | 3.5 | 29 |
| 70 | Spectral properties of Eu(III) compound with antibacterial agent ciprofloxacin (cfqH). Crystal structure of [Eu(cfqH)(cfq)(H2O)4]Cl2Â•4.55H2O. Polyhedron, 2008, 27, 1489-1496. | 2.2 | 29 |
| 71 | Novel Rulll-DMSO Complexes of the Antiherpes Drug Acyclovir. European Journal of Inorganic Chemistry, 2002, 2002, 1928-1931. | 2.0 | 28 |
| 72 | Optical spectra of wet and dryM-DNA. Physical Review B, 2007, 75, . | 3.2 | 28 |

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|----|--|-----|-----------|
| 73 | Organoruthenated Nitroxoline Derivatives Impair Tumor Cell Invasion through Inhibition of Cathepsin B Activity. <i>Inorganic Chemistry</i> , 2019, 58, 12334-12347. | 4.0 | 28 |
| 74 | Experimental electron density study of a complex between copper(ii) and the antibacterial quinolone family member ciprofloxacin. <i>Dalton Transactions</i> , 2007, , 2171. | 3.3 | 27 |
| 75 | Structure and biological activities of metal complexes of flumequine. <i>RSC Advances</i> , 2016, 6, 19555-19570. | 3.6 | 25 |
| 76 | Factors that influence the antiproliferative activity of half sandwich Rullâ€“[9]aneS3 coordination compounds: activation kinetics and interaction with guanine derivatives. <i>Dalton Transactions</i> , 2012, 41, 11608. | 3.3 | 23 |
| 77 | Synthesis, crystal structure, magnetic properties and DFT study of dinuclear Ni(II) complex with the condensation product of 2-quinolinecarboxaldehyde and Girardâ€™s T reagent. <i>Polyhedron</i> , 2017, 128, 30-37. | 2.2 | 23 |
| 78 | Organoruthenium Prodrugs as a New Class of Cholinesterase and Glutathioneâ€™Sâ€™Transferase Inhibitors. <i>ChemMedChem</i> , 2018, 13, 2166-2176. | 3.2 | 23 |
| 79 | Strong Correlations in Highly Electron-Doped Zn(II)-DNA Complexes. <i>Physical Review Letters</i> , 2010, 104, 156804. | 7.8 | 22 |
| 80 | Towards Identification of Essential Structural Elements of Organoruthenium(II)â€™Pyrithionato Complexes for Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019, 25, 14169-14182. | 3.3 | 22 |
| 81 | Organoruthenium Complexes with Benzo-Fused Pyrithiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , 2021, 13, 2493. | 3.7 | 22 |
| 82 | Copper(II) and Zinc(II) Complexes with the Clinically Used Fluconazole: Comparison of Antifungal Activity and Therapeutic Potential. <i>Pharmaceuticals</i> , 2021, 14, 24. | 3.8 | 22 |
| 83 | Biological Activity of Some Magnesium(II) Complexes of Quinolones. <i>Metal-Based Drugs</i> , 2000, 7, 101-104. | 3.8 | 21 |
| 84 | Complexes of copper(II) carboxylates with 2-aminoethanol - syntheses, characterization and fungicidal activity; crystal structure of Cu(O2CC8H17)2(NH2C2H4OH)2. <i>Polyhedron</i> , 1998, 17, 255-260. | 2.2 | 20 |
| 85 | Anti-cancer organoruthenium(<sc>ii</sc>) complexes and their interactions with cysteine and its analogues. A mass-spectrometric study. <i>Dalton Transactions</i> , 2019, 48, 2626-2634. | 3.3 | 20 |
| 86 | Novel Organoruthenium(II) Î²-Diketonates as Catalysts for Ortho Arylation via Câ€™H Activation. <i>Organometallics</i> , 2013, 32, 609-616. | 2.3 | 19 |
| 87 | Synthesis, characterization, DFT calculation and biological activity of square-planar Ni(II) complexes with tridentate PNO ligands and monodentate pseudohalides. Part II. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 284-297. | 5.5 | 19 |
| 88 | New method for the speciation of ruthenium-based chemotherapeutics in human serum by conjoint liquid chromatography on affinity and anion-exchange monolithic disks. <i>Journal of Chromatography A</i> , 2014, 1371, 168-176. | 3.7 | 19 |
| 89 | The Interactions of Titanocene Dihalides with Î±-, Î²- and Î³-cyclodextrin Host Molecules. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 35, 595-604. | 1.6 | 18 |
| 90 | A novel copper(II) complex with 1,10-phenanthroline and ciprofloxacin. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, m376-m378. | 0.4 | 18 |

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|-----|---|-----|-----------|
| 91 | Synthesis and characterization of ML and ML_2 metal complexes with amino acid substituted bis(2-picolyl)amine ligands. Dalton Transactions, 2016, 45, 2845-2858. | 3.3 | 18 |
| 92 | Synthesis, characterization and crystal structures of two pentagonal-bipyramidal Fe(III) complexes with dihydrazone of 2,6-diacetylpyridine and Girard's T reagent. Anticancer properties of various metal complexes of the same ligand. Journal of Inorganic Biochemistry, 2017, 174, 137-149. | 3.5 | 18 |
| 93 | Synthesis and Structural Evaluation of Organo-Ruthenium Complexes with \hat{I}^2 -Diketonates. Molecules, 2017, 22, 326. | 3.8 | 18 |
| 94 | Organoruthenium(II) complexes of acetazolamide potently inhibit human carbonic anhydrase isoforms I, II, IX and XII. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 388-393. | 5.2 | 18 |
| 95 | Investigation of antitumor potential of Ni(II) complexes with tridentate PNO acylhydrazones of 2-(diphenylphosphino)benzaldehyde and monodentate pseudohalides. Journal of Biological Inorganic Chemistry, 2016, 21, 145-162. | 2.6 | 17 |
| 96 | Ruthenium complexes as inhibitors of the aldo-keto reductases AKR1C1-C3. Chemico-Biological Interactions, 2015, 234, 349-359. | 4.0 | 16 |
| 97 | Synthesis, crystal structures and antimicrobial activity of azido and isocyanato Zn(II) complexes with the condensation product of 2-quinolinecarboxaldehyde and Girard's T reagent. Journal of Coordination Chemistry, 2017, 70, 2425-2435. | 2.2 | 16 |
| 98 | Highly-efficient N-arylation of imidazole catalyzed by Cu(II) complexes with quaternary ammonium-functionalized 2-acetylpyridine acylhydrazone. Polyhedron, 2019, 165, 22-30. | 2.2 | 16 |
| 99 | Synthesis, structural determination, in vitro and in silico biological evaluation of divalent or trivalent cobalt complexes with indomethacin. Journal of Inorganic Biochemistry, 2020, 212, 111213. | 3.5 | 16 |
| 100 | Combined therapy of the antimetastatic compound NAMI-A and electroporation on B16F1 tumour cells in vitro. Bioelectrochemistry, 2007, 71, 113-117. | 4.6 | 15 |
| 101 | Covalent versus Noncovalent Binding of Ruthenium \hat{I}^6 -p-Cymene Complexes to Zinc Finger Protein NCp7. Chemistry - A European Journal, 2019, 25, 12789-12794. | 3.3 | 15 |
| 102 | Organometallic ruthenium(II)-arene complexes with triphenylphosphine amino acid bioconjugates: Synthesis, characterization and biological properties. Bioorganic Chemistry, 2019, 87, 432-446. | 4.1 | 15 |
| 103 | Ruthenium complexes as inhibitors of 15-lipoxygenase-1. Polyhedron, 2015, 101, 306-313. | 2.2 | 14 |
| 104 | Cu(II), Mn(II) and Zn(II) complexes of hydrazones with a quaternary ammonium moiety: synthesis, experimental and theoretical characterization and cytotoxic activity. Dalton Transactions, 2021, 51, 185-196. | 3.3 | 14 |
| 105 | The influence of electroporation on cytotoxicity of anticancer ruthenium(III) complex KP1339 in vitro and in vivo. Anticancer Research, 2010, 30, 2055-63. | 1.1 | 14 |
| 106 | Synthesis, characterization, DFT calculations and biological activity of derivatives of 3-acetylpyridine and the zinc(II) complex with the condensation product of 3-acetylpyridine and semicarbazide. Inorganica Chimica Acta, 2013, 404, 5-12. | 2.4 | 13 |
| 107 | Experimental and theoretical investigation of octahedral and square-planar isothiocyanato complexes of Ni(II) with acylhydrazones of 2-(diphenylphosphino)benzaldehyde. Polyhedron, 2015, 89, 271-279. | 2.2 | 13 |
| 108 | Crystal structures, magnetic properties and DFT study of cobalt(II) azido complexes with the condensation product of 2-quinolinecarboxaldehyde and Girard's T reagent. Polyhedron, 2018, 139, 142-147. | 2.2 | 13 |

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|-----|---|-----|-----------|
| 109 | Synthesis, Biological Evaluation and Docking Studies of Benzoxazoles Derived from Thymoquinone. <i>Molecules</i> , 2018, 23, 3297. | 3.8 | 13 |
| 110 | What Is the Nature of Interactions of BF ₄ ⁻ , NO ₃ ⁻ , and ClO ₄ ⁻ to Cu(II) Complexes with Girard [™] s T Hydrazine? When Can Binuclear Complexes Be Formed?. <i>Crystal Growth and Design</i> , 2019, 19, 4810-4821. | 3.0 | 13 |
| 111 | Combined Experimental and Theoretical Investigation of the Origin of Magnetic Anisotropy in Pentagonal Bipyramidal Isothiocyanato Co(II), Ni(II), and Fe(III) Complexes with Quaternary-Ammonium-Functionalized 2,6-Diacetylpyridine Bisacylhydrazone. <i>Journal of Physical Chemistry C</i> , 2019, 123, 31142-31155. | 3.1 | 13 |
| 112 | Silver(⁺) complexes with different pyridine-4,5-dicarboxylate ligands as efficient agents for the control of cow mastitis associated pathogens. <i>Dalton Transactions</i> , 2020, 49, 6084-6096. | 3.3 | 13 |
| 113 | Modulation of Activity of Known Cytotoxic Ruthenium(III) Compound (KP418) with Hampered Transmembrane Transport in Electrochemotherapy In Vitro and In Vivo. <i>Journal of Membrane Biology</i> , 2014, 247, 1239-1251. | 2.1 | 12 |
| 114 | Structural Characterization, Antimicrobial Activity and BSA/DNA Binding Affinity of New Silver(I) Complexes with Thianthrene and 1,8-Naphthyridine. <i>Molecules</i> , 2021, 26, 1871. | 3.8 | 12 |
| 115 | Large enhancement of photocatalytic activity in ZnO thin films grown by plasma-enhanced atomic layer deposition. <i>Surfaces and Interfaces</i> , 2021, 23, 100984. | 3.0 | 12 |
| 116 | Synthesis, crystal structures, and antimicrobial activity of square-planar chloride and isocyanate Ni(II) complexes with the condensation product of 2-(diphenylphosphino)benzaldehyde and Girard [™] s T reagent. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2858-2870. | 2.2 | 11 |
| 117 | Synthesis, characterization and antimicrobial activity of pentagonal-bipyramidal isothiocyanato Co(II) and Ni(II) complexes with 2,6-diacetylpyridine bis(trimethylammoniumacetohydrazone). <i>Journal of Coordination Chemistry</i> , 2016, 69, 801-811. | 2.2 | 11 |
| 118 | Synthesis, structures and magnetic properties of octahedral Co(III) complexes of heteroaromatic hydrazones with tetrakisothiocyanato Co(II) anions. <i>Polyhedron</i> , 2018, 155, 425-432. | 2.2 | 11 |
| 119 | Synthesis, characterization, DFT calculations and antimicrobial activity of pentagonal-bipyramidal Zn(II) and Cd(II) complexes with 2,6-diacetylpyridine-bis(trimethylammoniumacetohydrazone). <i>Journal of Coordination Chemistry</i> , 2016, 69, 2754-2765. | 2.2 | 10 |
| 120 | Structural diversity of isothiocyanato Cd(II) and Zn(II) Girard [™] s T hydrazone complexes in solution and solid state: effect of H-bonding on coordination number and supramolecular assembly of Cd(II) complex in solid state. <i>Structural Chemistry</i> , 2018, 29, 1797-1806. | 2.0 | 10 |
| 121 | Tailoring copper(ii) complexes with pyridine-4,5-dicarboxylate esters for anti-Candida activity. <i>Dalton Transactions</i> , 2021, 50, 2627-2638. | 3.3 | 10 |
| 122 | Comparison of Solution Chemical Properties and Biological Activity of Ruthenium Complexes of Selected 1 ² -Diketone, 8-Hydroxyquinoline and Pyriothione Ligands. <i>Pharmaceuticals</i> , 2021, 14, 518. | 3.8 | 10 |
| 123 | Clinically used antifungal azoles as ligands for gold(ⁱⁱⁱ) complexes: the influence of the Au(ⁱⁱⁱ) ion on the antimicrobial activity of the complex. <i>Dalton Transactions</i> , 2022, 51, 5322-5334. | 3.3 | 10 |
| 124 | Structural Isomerism and Enhanced Lipophilicity of Pyriothione Ligands of Organoruthenium(II) Complexes Increase Inhibition on AChE and BuChE. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5628. | 4.1 | 9 |
| 125 | New synthetic routes for the preparation of ruthenium-1,10-phenanthroline complexes. Tests of cytotoxic and antibacterial activity of selected ruthenium complexes. <i>Acta Chimica Slovenica</i> , 2015, 62, 337-345. | 0.6 | 9 |
| 126 | Analysis of the structures of the Cu(I) and Cu(II) complexes with 3-acetylpyridine and thiocyanate. <i>Polyhedron</i> , 2014, 69, 77-83. | 2.2 | 8 |

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|-----|--|-----|-----------|
| 127 | Crystal structures and DFT calculations of mixed chloride-azide zinc(II) and chloride-isocyanate cadmium(II) complexes with the condensation product of 2-quinolinecarboxaldehyde and Girard's T reagent. <i>Journal of Molecular Structure</i> , 2018, 1162, 63-70. | 3.6 | 8 |
| 128 | Intermolecular C-H...N interactions in 1,5-diphenyl-3-(2-pyridyl)-2-pyrazoline. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o313-o316. | 0.4 | 7 |
| 129 | Interactions of two cytotoxic organoruthenium(II) complexes with G-quadruplex. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 70-77. | 3.5 | 7 |
| 130 | Molecular Structures and Spin States of Pseudohalide Metal Complexes with Hydrazones of Girard's T Reagent. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 838-846. | 2.0 | 7 |
| 131 | Extending the family of quinolone antibacterials to new copper derivatives: self-assembly, structural and topological features, catalytic and biological activity. <i>New Journal of Chemistry</i> , 2018, 42, 19644-19658. | 2.8 | 7 |
| 132 | C-H Bond Activation by a Ruthenium(II) η^2 -diketonate Complex: A Mechanistic Study. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6107-6113. | 2.4 | 7 |
| 133 | Effect of Copper Acyclovir Complexes on Herpes Simplex Virus Type 1 and Type 2 (HSV-1, HSV-2) Infection in Cultured Cells. <i>Metal-Based Drugs</i> , 1998, 5, 19-23. | 3.8 | 6 |
| 134 | Synthesis, characterization, DFT calculations and antimicrobial activity of Cd(II) complexes with the condensation product of 2-quinolinecarboxaldehyde and Girard's T reagent. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3702-3714. | 2.2 | 6 |
| 135 | Binding Kinetics of Ruthenium Pyridone Chemotherapeutic Candidates to Human Serum Proteins Studied by HPLC-ICP-MS. <i>Molecules</i> , 2020, 25, 1512. | 3.8 | 6 |
| 136 | Cobalt(II), Zinc(II), Iron(III), and Copper(II) Complexes Bearing Positively Charged Quaternary Ammonium Functionalities: Synthesis, Characterization, Electrochemical Behavior, and SOD Activity. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3347-3358. | 2.0 | 6 |
| 137 | The crystal structure and characterization of a copper(II) complex with a guanosine-5'-monophosphate analog (acyclovir monophosphate). <i>Journal of Inorganic Biochemistry</i> , 1996, 63, 41-48. | 3.5 | 5 |
| 138 | Exploration of selected electronic characteristics of half-sandwich organoruthenium(II) η^2 -diketonate complexes. <i>Journal of Molecular Modeling</i> , 2018, 24, 98. | 1.8 | 5 |
| 139 | Synthesis, X-ray structures and magnetic properties of Ni(II) complexes of heteroaromatic hydrazone. <i>Polyhedron</i> , 2020, 191, 114802. | 2.2 | 5 |
| 140 | Metal(II) Complexes of the Fluoroquinolone Fleroxacin: Synthesis, Characterization and Biological Profile. <i>Pharmaceutics</i> , 2022, 14, 898. | 4.5 | 5 |
| 141 | Zinc(II) Complexes with Dimethyl 2,2'-Bipyridine-4,5-dicarboxylate: Structure, Antimicrobial Activity and DNA/BSA Binding Study. <i>Inorganics</i> , 2022, 10, 71. | 2.7 | 5 |
| 142 | Boron Complex of a Member of the Quinolone Family. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 942-943. | 0.4 | 4 |
| 143 | Di- η^4 -chlorido-bis{chlorido[(<i>R</i>)(<i>S</i>)-1,5-diphenyl-3-(2-pyridyl)-2-pyrazoline- <i>N</i>]- <i>N</i>]}zinc(II)}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m899-m900. | 0.2 | 4 |
| 144 | Synthesis and Characterization of Novel Ruthenium(III) Complexes with Histamine. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-6. | 4.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | How zinc ions shift and enhance the nucleotide's fluorescence spectra. <i>New Journal of Chemistry</i> , 2018, 42, 8145-8150. | 2.8 | 4 |
| 146 | Synthesis, X-ray structure and DFT calculation of magnetic properties of binuclear Ni(II) complex with tridentate hydrazone-based ligand. <i>Journal of the Serbian Chemical Society</i> , 2020, 85, 1279-1290. | 0.8 | 4 |
| 147 | NMR Investigation of the Copper(II)-Ciprofloxacin System. <i>Metal-Based Drugs</i> , 1999, 6, 1-4. | 3.8 | 3 |
| 148 | Interactions of the π -arene-[ruthenium(II)(η^6 -arene)(quinolone)Cl] ⁺ complexes with water; DFT computational study. <i>Journal of Computational Chemistry</i> , 2016, 37, 1766-1780. | 3.3 | 3 |
| 149 | Concomitant polymorphism in an organometallic ruthenium(II) complex with an N ² -donor ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 683-689. | 0.5 | 3 |
| 150 | Structural and functional characterization of an organometallic ruthenium complex as a potential myorelaxant drug. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110161. | 5.6 | 3 |
| 151 | Coordination preferences of NNO and NNS Schiff base ligands with Co(III) complexes: Synthesis, characterization and DFT calculation. <i>Journal of Molecular Structure</i> , 2022, 1266, 133509. | 3.6 | 3 |
| 152 | Fine Tuning of Cholinesterase and Glutathione-S-Transferase Activities by Organoruthenium(II) Complexes. <i>Biomedicines</i> , 2021, 9, 1243. | 3.2 | 2 |
| 153 | Synthesis, characterization and antimicrobial activity of isothiocyanato Fe(III) Girard's t hydrazone complex. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 1327-1337. | 0.8 | 2 |
| 154 | Pyrithione metal (Cu, Ni, Ru) complexes as photo-catalysts for styrene oxide production. <i>Scientific Reports</i> , 2021, 11, 23810. | 3.3 | 2 |
| 155 | catena-Poly[[[tetrakis(η^4 -acetato- η^2 O)dirhodium(II)]- η^4 -[1,3-bis(dimethylamino)propan-2-ol- η^2 N:N]] tetrahydrofuran hemisolvate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m545-m547. | 0.4 | 1 |
| 156 | Structure of Biologically Active Benzoxazoles: Crystallography and DFT Studies. <i>Acta Chimica Slovenica</i> , 2021, 68, 144-150. | 0.6 | 1 |
| 157 | Polynuclear Silver(I) Complex with Thianthrene: Structural Characterization, Antimicrobial Activity and Interaction with Biomolecules. <i>Proceedings (mdpi)</i> , 2020, 67, . | 0.2 | 1 |
| 158 | Antimicrobial activity and DNA/BSA binding study of new silver(I) complexes with 1,8-naphthyridine. , 0, .. | | 1 |