# Moamen S Refat

List of Publications by Year
in descending order



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|---|---|---|---|
| 310 papers | 4,780 citations | 126907 33 h-index | 214800 47 g-index |
| 313 all docs | 313 docs citations | 313 times ranked | 3337 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and characterization of norfloxacin-transition metal complexes (group 11, IB): Spectroscopic, thermal, kinetic measurements and biological activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1393-1405. | 3.9 | 119 |
| 2 | Bivalent transition metal complexes of coumarin-3-yl thiosemicarbazone derivatives: Spectroscopic, antibacterial activity and thermogravimetric studies. Journal of Molecular Structure, 2009, 920, 149-162. | 3.6 | 92 |
| 3 | Synthesis and characterization of ligational behavior of curcumin drug towards some transition metal ions: Chelation effect on their thermal stability and biological activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 326-337. | 3.9 | 86 |
| 4 | Complexes of uranyl(II), vanadyl(II) and zirconyl(II) with orotic acid â€œvitamin B13â€: Synthesis, spectroscopic, thermal studies and antibacterial activity. Journal of Molecular Structure, 2007, 842, 24-37. | 3.6 | 83 |
| 5 | Cu(II), Co(II) and Ni(II) complexes of new Schiff base ligand: Synthesis, thermal and spectroscopic characterizations. Journal of Molecular Structure, 2013, 1038, 62-72. | 3.6 | 83 |
| 6 | Synthesis and spectroscopic studies of some transition metal complexes of a novel Schiff base ligands derived from 5-phenylazo-salicyladehyde and o-amino benzoic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 1208-1220. | 3.9 | 75 |
| 7 | Synthesis, spectroscopic and thermal characterization of some transition metal complexes of folic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 916-922. | 3.9 | 64 |
| 8 | Proton transfer complexes based on some Ï€-acceptors having acidic protons with 3-amino-6-[2-(2-thienyl)vinyl]-1,2,4-triazin-5(4H)-one donor: Synthesis and spectroscopic characterizations. Journal of Molecular Structure, 2011, 995, 116-124. | 3.6 | 55 |
| 9 | Synthesis, spectroscopic, coordination and biological activities of some transition metal complexes containing ONO tridentate Schiff base ligand. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 771-787. | 3.9 | 54 |
| 10 | New Mononuclear and Binuclear Cu(II), Co(II), Ni(II), and Zn(II) Thiosemicarbazone Complexes with Potential Biological Activity: Antimicrobial and Molecular Docking Study. Molecules, 2021, 26, 2288. | 3.8 | 54 |
| 11 | A convenient method for the preparation of barbituric and thiobarbituric acid transition metal complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 1084-1094. | 3.9 | 53 |
| 12 | Syntheses and characterization of Ru(III) with chelating containing ONNO donor quadridentate Schiff bases. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 898-906. | 3.9 | 51 |
| 13 | Spectroscopic and physical measurements on charge-transfer complexes: Interactions between norfloxacin and ciprofloxacin drugs with picric acid and 3,5-dinitrobenzoic acid acceptors. Journal of Molecular Structure, 2011, 990, 217-226. | 3.6 | 51 |
| 14 | Novel Papaverine Metal Complexes with Potential Anticancer Activities. Molecules, 2020, 25, 5447. | 3.8 | 51 |
| 15 | Spectroscopic investigations of the charge-transfer interaction between the drug reserpine and different acceptors: Towards understanding of drugâ€“receptor mechanism. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 309-323. | 3.9 | 50 |
| 16 | Utilization of charge-transfer complexation for the detection of carcinogenic substances in foods: Spectroscopic characterization of ethyl carbamate with some traditional Ï€-acceptors. Journal of Molecular Structure, 2013, 1037, 376-392. | 3.6 | 45 |
| 17 | Spectroscopic studies and biological evaluation of some transition metal complexes of Schiff-base ligands derived from 5-arylazo-salicylaldehyde and thiosemicarbazide. Journal of Coordination Chemistry, 2009, 62, 1709-1718. | 2.2 | 43 |
| 18 | Spectroscopic characterization of charge-transfer complexes of morpholine with chloranilic and picric acids in organic media: Crystal structure of bis(morpholinium 2,4,6-trinitrocyclohexanolate). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 745-752. | 3.9 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Infrared spectra, Raman laser, XRD, DSC/TGA and SEM investigations on the preparations of selenium metal, (Sb2O3, Ga2O3, SnO and HgO) oxides and lead carbonate with pure grade using acetamide precursors. Bulletin of Materials Science, 2011, 34, 873-881. | 1.7 | 42 |
| 20 | Preparation, spectroscopic and thermal characterization of new charge-transfer complexes of ethidium bromide with Ï€-acceptors. In vitro biological activity studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 259-271. | 3.9 | 42 |
| 21 | Solution and solid-state investigations of charge transfer complexes caused by the interaction of bathophenanthroline with different organic acceptors in a (methanol + dichloromethane) binary solvent system. Journal of Molecular Liquids, 2016, 219, 377-389. | 4.9 | 42 |
| 22 | Spectral, thermal and kinetic studies of charge-transfer complexes formed between the highly effective antibiotic drug metronidazole and two types of acceptors: Ïƒ- and Ï€-acceptors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 202-210. | 3.9 | 41 |
| 23 | Spectrophotometric and thermodynamic studies on the 1:1 charge transfer interaction of several clinically important drugs with tetracyanoethylene in solution-state: Part one. Journal of Molecular Liquids, 2016, 224, 311-321. | 4.9 | 41 |
| 24 | Charge-transfer interaction of drug quinidine with quinol, picric acid and DDQ: Spectroscopic characterization and biological activity studies towards understanding the drugâ€“receptor mechanism. Journal of Pharmaceutical Analysis, 2014, 4, 81-95. | 5.3 | 40 |
| 25 | Synthesis and characterization of highly conductive charge-transfer complexes using positron annihilation spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 458-477. | 3.9 | 39 |
| 26 | Spectroscopic, thermal and kinetic studies of coordination compounds of Zn(II), Cd(II) and Hg(II) with norfloxacin. Journal of Thermal Analysis and Calorimetry, 2010, 102, 225-232. | 3.6 | 38 |
| 27 | Ten metal complexes of vitamin B3/niacin: Spectroscopic, thermal, antibacterial, antifungal, cytotoxicity and antitumor studies of Mn(II), Fe(III), Co(II), Ni(II), Cu(II), Zn(II), Pd(II), Cd(II), Pt(IV) and Au(III) complexes. Journal of Molecular Structure, 2012, 1021, 40-52. | 3.6 | 38 |
| 28 | UVâ€“vis, IR spectra and thermal studies of charge transfer complex formed between poly(amidoamine) dendrimers and iodine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 58-65. | 3.9 | 37 |
| 29 | Spectrophotometric and electrical studies of charge-transfer complexes of sodium flucloxacillin with Ï€-acceptors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 732-741. | 3.9 | 36 |
| 30 | Quick and simple formation of different nanosized charge-transfer complexes of the antibiotic drug moxifloxacin: An efficient way to remove and utilize discarded antibiotics. Comptes Rendus Chimie, 2015, 18, 914-928. | 0.5 | 36 |
| 31 | Spectral, thermal, XRD and SEM studies of charge-transfer complexation of hexamethylenediamine and three types of acceptors: Ï€-, Ïƒ- and vacant orbital acceptors that include quinol, picric acid, bromine, iodine, SnCl4 and ZnCl2 acceptors. Journal of Molecular Structure, 2013, 1051, 144-163. | 3.6 | 35 |
| 32 | Liquid and solid-state study of antioxidant quercetin donor and TCNE acceptor interaction: Focusing on solvent affect on the morphological properties. Journal of Molecular Liquids, 2017, 233, 292-302. | 4.9 | 34 |
| 33 | Complexation and thermogravimetric investigation on tin(II) and tin(IV) with norfloxacin as antibacterial agent. Journal of Coordination Chemistry, 2006, 59, 759-775. | 2.2 | 33 |
| 34 | Spectroscopic, thermal and antitumor investigations of sulfasalazine drug in situ complexation with alkaline earth metal ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 108-117. | 3.9 | 33 |
| 35 | Usefulness of chargeâ€“transfer complexation for the assessment of sympathomimetic drugs: Spectroscopic properties of drug ephedrine hydrochloride complexed with some Ï€-acceptors. Journal of Molecular Structure, 2014, 1064, 58-69. | 3.6 | 33 |
| 36 | Utility of positron annihilation lifetime technique for the assessment of spectroscopic data of some charge-transfer complexes derived from N-(1-Naphthyl)ethylenediamine dihydrochloride. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 34-47. | 3.9 | 32 |

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|---|---|---|---|
| 37 | Charge transfer complexation of the anticholinergic drug clidinium bromide and picric acid in different polar solvents: Solvent effect on the spectroscopic and structural morphology properties of the product. Journal of Molecular Liquids, 2016, 216, 192-208. | 4.9 | 32 |
| 38 | Quercetin/Zinc complex and stem cells: A new drug therapy to ameliorate glycometabolic control and pulmonary dysfunction in diabetes mellitus: Structural characterization and genetic studies. PLoS ONE, 2021, 16, e0246265. | 2.5 | 32 |
| 39 | Identification of a new anti-diabetic agent by combining VOSO4 and vitamin E in a single molecule: Studies on its spectral, thermal and pharmacological properties. European Journal of Medicinal Chemistry, 2010, 45, 3070-3079. | 5.5 | 31 |
| 40 | Spectral, thermal and biological studies of Mn(II) and Cu(II) complexes with two thiosemicarbazide derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 92, 336-346. | 3.9 | 31 |
| 41 | Shedding light on the photostability of two intermolecular charge-transfer complexes between highly fluorescent bis-1,8-naphthalimide dyes and some Ï€-acceptors: A spectroscopic study in solution and solid states. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 288-301. | 3.9 | 31 |
| 42 | Preparation of some compounds and study their thermal stability for use in dye sensitized solar cells. Journal of Molecular Liquids, 2018, 261, 565-582. | 4.9 | 31 |
| 43 | Spectroscopic and fluorescence studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes with NO donor fluorescence dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 215-227. | 3.9 | 30 |
| 44 | Spectroscopic and thermal investigations of charge-transfer complexes formed between sulfadoxine drug and different types of acceptors. Journal of Molecular Structure, 2011, 985, 380-390. | 3.6 | 30 |
| 45 | Synthesis, spectroscopic, and thermal investigation of transition and non-transition complexes of metformin as potential insulin-mimetic agents. Journal of Thermal Analysis and Calorimetry, 2013, 111, 2079-2096. | 3.6 | 30 |
| 46 | Utility of charge-transfer complexation for the assessment of macrocyclic polyethers: Spectroscopic, thermal and surface morphology characteristics of two highly crown ethers complexed with acido acceptors. Journal of Molecular Structure, 2015, 1085, 178-190. | 3.6 | 30 |
| 47 | Synthesis, structural characterization and biological studies of some nalidixic acidâ€“metal complexes: Metalloantibiotic complexes of some divalent and trivalent metal ions. Journal of Molecular Structure, 2015, 1094, 22-35. | 3.6 | 30 |
| 48 | Biomarkers charge-transfer complexes of melamine with quinol and picric acid: Synthesis, spectroscopic, thermal, kinetic and biological studies. Arabian Journal of Chemistry, 2017, 10, S3482-S3492. | 4.9 | 30 |
| 49 | Charge-transfer interaction of iodine with some polyamidoamines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 205-211. | 3.9 | 29 |
| 50 | Metal complexes of antiuralethic drug: Synthesis, spectroscopic characterization and thermal study on allopurinol complexes. Journal of Molecular Structure, 2008, 888, 416-429. | 3.6 | 29 |
| 51 | Spectroscopic and Thermal Studies of Mn(II), Fe(III), Cr(III) and Zn(II) Complexes Derived from the Ligand Resulted by the Reaction Between 4-Acetyl Pyridine and Thiosemicarbazide. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 521. | 3.7 | 29 |
| 52 | Charge-transfer complexes of sulfamethoxazole drug with different classes of acceptors. Journal of Molecular Structure, 2010, 980, 124-136. | 3.6 | 29 |
| 53 | Synthesis, thermal and spectroscopic behaviors of metalâ€“drug complexes: La(III), Ce(III), Sm(III) and Y(III) amoxicillin trihydrate antibiotic drug complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 427-446. | 3.9 | 29 |
| 54 | IR, 1H NMR, mass, XRD and TGA/DTA investigations on the ciprofloxacin/iodine charge-transfer complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1356-1363. | 3.9 | 28 |

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|---|---|---|---|
| 55 | An environmentally friendly method to remove and utilize the highly toxic strychnine in other products based on proton-transfer complexation. Journal of Molecular Structure, 2015, 1102, 170-185. | 3.6 | 28 |
| 56 | Characterization of charge transfer products obtained from the reaction of the sedative-hypnotic drug barbital with chloranilic acid, chloranil, TCNQ and DBQ organic acceptors. Journal of Molecular Liquids, 2019, 287, 110981. | 4.9 | 28 |
| 57 | Spectoscopic and structural studies on charge-transfer complexes of lanthanum(III)acetylacetonate with Ïƒ-acceptor iodine and Ï€-acceptor DDQ. Journal of Molecular Structure, 2011, 994, 289-294. | 3.6 | 27 |
| 58 | Chemical and physical properties of the charge transfer complexes of domperidone antiemetic agent with Ï€-acceptors. Journal of Molecular Liquids, 2019, 293, 111517. | 4.9 | 27 |
| 59 | An Environmentally Friendly Method for Removing Hg(II), Pb(II), Cd(II) and Sn(II) Heavy Metals from Wastewater Using Novel Metalâ€“Carbon-Based Composites. Crystals, 2021, 11, 882. | 2.2 | 27 |
| 60 | Charge transfer complex of some nervous and brain drugs â€“ Part 1: Synthesis, spectroscopic, analytical and biological studies on the reaction between haloperidol antipsychotic drugs with Ï€-acceptors. Journal of Molecular Structure, 2013, 1034, 1-18. | 3.6 | 26 |
| 61 | SYNTHESIS, SPECTROSCOPIC, ac CONDUCTIVITY AND THERMAL STUDIES ON Co(III) ACETYLACETONATE-IODINE COMPLEX. Surface Review and Letters, 2006, 13, 439-449. | 1.1 | 25 |
| 62 | Spectroscopic and thermal degradation behavior of Cr(III), Mn(II), Fe(III), Co(II), Ni(II), Cu(II) and Zn(II) complexes with thiopental sodium anesthesia drug. Journal of Molecular Structure, 2013, 1037, 170-185. | 3.6 | 25 |
| 63 | Synthesis, spectroscopic, thermal and anticancer studies of metal-antibiotic chelations: Ca(II), Fe(III), Pd(II) and Au(III) chloramphenicol complexes. Journal of Molecular Structure, 2016, 1119, 157-166. | 3.6 | 25 |
| 64 | Preparation of elastic polymer slices have the semiconductors properties for use in solar cells as a source of new and renewable energy. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 361, 76-85. | 3.9 | 25 |
| 65 | Structural, electrochemical and optical properties of 1,2,4-triazine derivative. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 25 |
| 66 | Proton-transfer and charge-transfer interactions between the antibiotic trimethoprim and several Ïƒâˆ’ and Ï€âˆ’acceptors: A spectroscopic study. Journal of Molecular Structure, 2021, 1231, 129687. | 3.6 | 25 |
| 67 | Synthesis and characterization of V(III), Cr(III) and Fe(III) hippurates. Journal of Molecular Structure, 2005, 737, 139-145. | 3.6 | 24 |
| 68 | Electronic, infrared, and 1HNMR spectral studies of the novel charge-transfer complexes of o-tolidine and p-toluidine with alternation Ï€-acceptors (3,5-dinitro benzoic acid and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (2,6-dichloroqu<br>Biomolecular Spectroscopy, 2006, 64, 778-788. | 3.9 | 24 |
| 69 | Preparation, structural characterization and biological evaluation of l-tyrosinate metal ion complexes. Journal of Molecular Structure, 2008, 881, 28-45. | 3.6 | 23 |
| 70 | Intermolecular hydrogen bond complexes by in situ charge transfer complexation of o-tolidine with picric and chloranilic acids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 672-679. | 3.9 | 23 |
| 71 | Chemistry of drug interactions: Characterization of charge-transfer complexes of Guaifenesin with various acceptors using spectroscopic and thermal methods. Russian Journal of General Chemistry, 2014, 84, 1847-1856. | 0.8 | 23 |
| 72 | Synthesis, chemical identification, antioxidant capacities and immunological evaluation studies of a novel silver(I) carbocysteine complex. Chemico-Biological Interactions, 2014, 220, 169-180. | 4.0 | 23 |

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| 73 | Synthesis of amino acid iodine charge transfer complexes in situ methanolic medium: Chemical and physical investigations. Journal of Molecular Liquids, 2016, 222, 1061-1067. | 4.9 | 23 |
| 74 | Measurements and correlations in solution-state for charge transfer products caused from the 1:2 complexation of TCNE acceptor with several important drugs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 166-177. | 3.9 | 23 |
| 75 | Preparation, thermal and vibrational studies of [UO2(acac-o-phdn)(L)] (L=H2O, py, DMF and Et3N). Journal of Coordination Chemistry, 2005, 58, 1077-1085. | 2.2 | 22 |
| 76 | Synthesis and characterization of N,Nâ€²-bis[2-hydroxyethyl]-1,4,6,8-naphthalenediimide with para substituted of phenols based on charge-transfer complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 123-133. | 3.9 | 22 |
| 77 | Synthesis and spectroscopic characterization of piperidine/chloranil and piperidine/7,7â€²,8,8â€²-tetracyanoquinodimethane charge transfer complexes: X-ray crystal structure of a 7,7-dicyano-8,8-di-piperidinoquinodimethane adduct. Polyhedron, 2008, 27, 475-484. | 2.2 | 22 |
| 78 | Spectroscopic characterizations and biological studies on newly synthesized Cu2+ and Zn2+ complexes of first and second generation dendrimers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 772-782. | 3.9 | 22 |
| 79 | Infrared, Raman, 1H NMR, TG, and SEM properties of the charge-transfer interactions between tris(hydroxymethyl)methane with the acceptors picric acid, chloranilic acid, and 1,3-dinitrobenzene. Russian Journal of General Chemistry, 2014, 84, 1417-1428. | 0.8 | 22 |
| 80 | Nanostructured products of the drug theophylline caused by charge transfer interactions and a binary solvent system: Morphology and nanometry. Journal of Molecular Liquids, 2015, 209, 33-41. | 4.9 | 22 |
| 81 | Spectroscopic and thermal degradation behavior of Mg(II), Ca(II), Ba(II) and Sr(II) complexes with paracetamol drug. Arabian Journal of Chemistry, 2017, 10, S2376-S2387. | 4.9 | 22 |
| 82 | Synthesis, spectroscopic, thermal, biological, morphological and molecular docking studies of the different quinolone drugs and their cobalt(II) complexes. Journal of Molecular Liquids, 2018, 249, 438-453. | 4.9 | 22 |
| 83 | Synthesis, characterization, thermal and antimicrobial studies of diabetic drug models: Complexes of vanadyl(II) sulfate with ascorbic acid (vitamin C), riboflavin (vitamin B2) and nicotinamide (vitamin B3). Journal of Molecular Structure, 2010, 969, 163-171. | 3.6 | 21 |
| 84 | Syntheses and characterization of two copper pyridine-dicarboxylate compounds containing water clusters. Polyhedron, 2010, 29, 2345-2351. | 2.2 | 21 |
| 85 | Preparation, spectroscopic, thermal, antihepatotoxicity, hematological parameters and liver antioxidant capacity characterizations of Cd(II), Hg(II), and Pb(II) mononuclear complexes of paracetamol anti-inflammatory drug. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 534-544. | 3.9 | 21 |
| 86 | Spectroscopic, structural characterizations and antioxidant capacity of the chromium (III) niacinamide compound as a diabetes mellitus drug model. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 122-131. | 3.9 | 21 |
| 87 | Enhancing the Antipsychotic Effect of Risperidone by Increasing Its Binding Affinity to Serotonin Receptor via Picric Acid: A Molecular Dynamics Simulation. Pharmaceuticals, 2022, 15, 285. | 3.8 | 21 |
| 88 | A novel method for preparation of cobalt(II) and lead(II) carbonates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2803-2805. | 3.9 | 20 |
| 89 | Synthesis, spectroscopic and thermal studies of Mg(II), Ca(II), Sr(II) and Ba(II) diclofenac sodium complexes as anti-inflammatory drug and their protective effects on renal functions impairment and oxidative stress. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 915-928. | 3.9 | 20 |
| 90 | Synthesis of a new insulin-mimetic anti-diabetic drug containing vitamin A and vanadium(IV) salt: Chemico-biological characterizations. International Journal of Immunopathology and Pharmacology, 2017, 30, 272-281. | 2.1 | 20 |

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|---|---|---|---|
| 91 | Preparation and Characterization of Tin(II) Complexes with Isomeric Series of Schiff Bases as Ligands. Journal of the Korean Chemical Society, 2006, 50, 107-115. | 0.2 | 20 |
| 92 | Synthesis and spectroscopic characterizations of nanostructured charge transfer complexes associated between moxifloxacin drug donor and metal chloride acceptors as a catalytic agent in a recycling of wastewater. Journal of Molecular Liquids, 2022, 349, 118121. | 4.9 | 20 |
| 93 | Preparation and Characterization of New CrFeO3-Carbon Composite Using Environmentally Friendly Methods to Remove Organic Dye Pollutants from Aqueous Solutions. Crystals, 2021, 11, 960. | 2.2 | 19 |
| 94 | Supramolecular charge-transfer complex generated by the interaction between tin(II) 2,3-naphtalocyanine as a donor with DDQ as an acceptor: Spectroscopic studies in solution state and theoretical calculations. Journal of Molecular Liquids, 2022, 362, 119757. | 4.9 | 19 |
| 95 | Spectroscopic, thermal and biological studies of coordination compounds of sulfasalazine drug: Mn(II), Hg(II), Cr(III), ZrO(II), VO(II) and Y(III) transition metal complexes. Bulletin of Materials Science, 2009, 32, 205-214. | 1.7 | 18 |
| 96 | Legitional behavior of 5,5-diethylbarbituric acid sodium salt (HL) towards Mg, Ca, Sr, Ba(II), spectral, thermal and biological studies. Journal of Molecular Structure, 2011, 988, 111-118. | 3.6 | 18 |
| 97 | Synthesis, spectroscopic and antimicrobial studies of La(III), Ce(III), Sm(III) and Y(III) Metformin HCl chelates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 392-404. | 3.9 | 18 |
| 98 | Synthesis, infrared spectra and thermal investigation of gold(III) and zinc(II) urea complexes. A new procedure for the synthesis of basic zinc carbonate. Journal of Coordination Chemistry, 2005, 58, 1727-1734. | 2.2 | 17 |
| 99 | Synthesis and characterization of Mn(II), Au(III) and Zr(IV) hippurates complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 840-849. | 3.9 | 17 |
| 100 | Spectroscopic and structural characterization of the charge-transfer interaction of N,Nâ€²-bis-alkyl derivatives of 1,4,6,8-naphthalenediimide with chloranilic and picric acids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 907-915. | 3.9 | 17 |
| 101 | Charge-transfer interactions of metoclopramide nausea drug against six kind of Ï€-acceptors: Spectral and thermal discussions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 455-466. | 3.9 | 17 |
| 102 | Structural, thermal, kinetic and pharmacology in vitro studies of H-bonded complexes formed between the sedative-hypnotic drug 5,5-diethylbarbituratic acid with various acceptors: Liquid and solid characterization. Journal of Molecular Liquids, 2014, 196, 142-152. | 4.9 | 17 |
| 103 | Synthesis and in vitro microbial evaluation of La(III), Ce(III), Sm(III) and Y(III) metal complexes of vitamin B6 drug. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 196-215. | 3.9 | 17 |
| 104 | Study of chemical bonding, physical and biological effect of metformin drug as an organized medicine for diabetes patients with chromium(III) and vanadium(IV) ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 323-332. | 3.9 | 17 |
| 105 | Charge-transfer chemistry of azithromycin, the antibiotic used worldwide to treat the coronavirus disease (COVID-19). Part I: Complexation with iodine in different solvents. Journal of Molecular Liquids, 2021, 325, 115187. | 4.9 | 17 |
| 106 | Antioxidant, Antigenotoxic, and Hepatic Ameliorative Effects of Quercetin/Zinc Complex on Cadmium-Induced Hepatotoxicity and Alterations in Hepatic Tissue Structure. Coatings, 2021, 11, 501. | 2.6 | 17 |
| 107 | Synthesis and molecular structure of moxifloxacin drug with metal ions as a model drug against some kinds of bacteria and fungi. Russian Journal of General Chemistry, 2015, 85, 2366-2373. | 0.8 | 16 |
| 108 | Development of medical drugs: Synthesis and in vitro bio-evaluations of nanomedicinal zincâ€“penicillins polymeric hydrogel membranes for wound skin dressing by new chemical technology. Journal of Molecular Liquids, 2018, 255, 462-470. | 4.9 | 16 |

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|---|---|---|---|
| 109 | FTIR, magnetic, 1H NMR spectral and thermal studies of some chelates of caproic acid: Inhibitory effect on different kinds of bacteria. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 217-233. | 3.9 | 15 |
| 110 | Spectroscopic, thermal and biocidal studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes of tridentate ligand having semicarbazone moieties. Journal of Thermal Analysis and Calorimetry, 2010, 100, 261-267. | 3.6 | 15 |
| 111 | Experimental and spectroscopic studies of charge transfer reaction between sulfasalazine antibiotic drug with different types of acceptors. Drug Testing and Analysis, 2011, 3, 116-131. | 2.6 | 15 |
| 112 | Spectroscopic and thermal investigations on the charge transfer interaction between risperidone as a schizophrenia drug with some traditional Ï€-acceptors: Part 2. Journal of Molecular Structure, 2013, 1036, 464-477. | 3.6 | 15 |
| 113 | Complexes of nalidixic acid with some vital metal ions: Synthesis, chemical structure elucidation, and antimicrobial evaluation. Russian Journal of General Chemistry, 2013, 83, 2488-2501. | 0.8 | 15 |
| 114 | Synthesis and Characterization of Coordination Behavior of Diclofenac Sodium Drug Toward Hg(II), Pb(II), and Sn(II) Metal Ions: Chelation Effect on Their Thermal Stability and Biological Activity. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 161-170. | 0.6 | 15 |
| 115 | Synthesis and physicochemical characterizations of coordination between palladium(<scp>ii</scp>) metal ions with floroquinolone drugs as medicinal model against cancer cells: novel metallopharmaceuticals. New Journal of Chemistry, 2018, 42, 9709-9719. | 2.8 | 15 |
| 116 | Synthesis, structure interpretation, antimicrobial and anticancer studies of tranexamic acid complexes towards Ga(III), W(VI), Y(III) and Si(IV) metal ions. Journal of Molecular Structure, 2019, 1175, 65-72. | 3.6 | 15 |
| 117 | Aurintricarboxylic acid and its metal ion complexes in comparative virtual screening versus Lopinavir and Hydroxychloroquine in fighting COVID-19 pandemic: Synthesis and characterization. Inorganic Chemistry Communication, 2021, 126, 108472. | 3.9 | 15 |
| 118 | A comparison of charge-transfer complexes of iodine with some antibiotics formed through two different approaches (liquid-liquid vs solid-solid). Journal of Molecular Liquids, 2021, 329, 115560. | 4.9 | 15 |
| 119 | Charge-transfer chemistry of azithromycin, the antibiotic used worldwide to treat the coronavirus disease (COVID-19). Part III: A green protocol for facile synthesis of complexes with TCNQ, DDQ, and TFQ acceptors. Journal of Molecular Liquids, 2021, 335, 116250. | 4.9 | 15 |
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