

# Moamen S Refat

## List of Publications by Year in descending order

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310  
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4,780  
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126858

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47  
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313  
all docs

313  
docs citations

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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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 1393-1405.	2.0	119
2	Bivalent transition metal complexes of coumarin-3-yl thiosemicarbazone derivatives: Spectroscopic, antibacterial activity and thermogravimetric studies. <i>Journal of Molecular Structure</i> , 2009, 920, 149-162.	1.8	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 326-337.	2.0	86
4	Complexes of uranyl(II), vanadyl(II) and zirconyl(II) with orotic acid $\hat{=}$ vitamin B13 $\hat{=}$ . Synthesis, spectroscopic, thermal studies and antibacterial activity. <i>Journal of Molecular Structure</i> , 2007, 842, 24-37.	1.8	83
5	Cu(II), Co(II) and Ni(II) complexes of new Schiff base ligand: Synthesis, thermal and spectroscopic characterizations. <i>Journal of Molecular Structure</i> , 2013, 1038, 62-72.	1.8	83
6	Synthesis and spectroscopic studies of some transition metal complexes of a novel Schiff base ligands derived from 5-phenylazo-salicylaldehyde and o-amino benzoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 1208-1220.	2.0	75
7	Synthesis, spectroscopic and thermal characterization of some transition metal complexes of folic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 916-922.	2.0	64
8	Proton transfer complexes based on some $\hat{=}$ -acceptors having acidic protons with 3-amino-6-[2-(2-thienyl)vinyl]-1,2,4-triazin-5(4H)-one donor: Synthesis and spectroscopic characterizations. <i>Journal of Molecular Structure</i> , 2011, 995, 116-124.	1.8	55
9	Synthesis, spectroscopic, coordination and biological activities of some transition metal complexes containing ONO tridentate Schiff base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 771-787.	2.0	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. <i>Molecules</i> , 2021, 26, 2288.	1.7	54
11	A convenient method for the preparation of barbituric and thiobarbituric acid transition metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1084-1094.	2.0	53
12	Syntheses and characterization of Ru(III) with chelating containing ONNO donor quadridentate Schiff bases. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 898-906.	2.0	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. <i>Journal of Molecular Structure</i> , 2011, 990, 217-226.	1.8	51
14	Novel Papaverine Metal Complexes with Potential Anticancer Activities. <i>Molecules</i> , 2020, 25, 5447.	1.7	51
15	Spectroscopic investigations of the charge-transfer interaction between the drug reserpine and different acceptors: Towards understanding of drug $\hat{=}$ receptor mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 309-323.	2.0	50
16	Utilization of charge-transfer complexation for the detection of carcinogenic substances in foods: Spectroscopic characterization of ethyl carbamate with some traditional $\hat{=}$ -acceptors. <i>Journal of Molecular Structure</i> , 2013, 1037, 376-392.	1.8	45
17	Spectroscopic studies and biological evaluation of some transition metal complexes of Schiff-base ligands derived from 5-arylazo-salicylaldehyde and thiosemicarbazide. <i>Journal of Coordination Chemistry</i> , 2009, 62, 1709-1718.	0.8	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). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 745-752.	2.0	42

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19	Infrared spectra, Raman laser, XRD, DSC/TGA and SEM investigations on the preparations of selenium metal, (Sb <sub>2</sub> O <sub>3</sub> , Ga <sub>2</sub> O <sub>3</sub> , SnO and HgO) oxides and lead carbonate with pure grade using acetamide precursors. <i>Bulletin of Materials Science</i> , 2011, 34, 873-881.	0.8	42
20	Preparation, spectroscopic and thermal characterization of new charge-transfer complexes of ethidium bromide with I <sup>-</sup> -acceptors. In vitro biological activity studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 259-271.	2.0	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. <i>Journal of Molecular Liquids</i> , 2016, 219, 377-389.	2.3	42
22	Spectral, thermal and kinetic studies of charge-transfer complexes formed between the highly effective antibiotic drug metronidazole and two types of acceptors: I <sup>-</sup> - and I <sup>-</sup> -acceptors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 202-210.	2.0	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. <i>Journal of Molecular Liquids</i> , 2016, 224, 311-321.	2.3	41
24	Charge-transfer interaction of drug quinidine with quinol, picric acid and DDQ: Spectroscopic characterization and biological activity studies towards understanding the drug-receptor mechanism. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 81-95.	2.4	40
25	Synthesis and characterization of highly conductive charge-transfer complexes using positron annihilation spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 458-477.	2.0	39
26	Spectroscopic, thermal and kinetic studies of coordination compounds of Zn(II), Cd(II) and Hg(II) with norfloxacin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 225-232.	2.0	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. <i>Journal of Molecular Structure</i> , 2012, 1021, 40-52.	1.8	38
28	UV-vis, IR spectra and thermal studies of charge transfer complex formed between poly(amidoamine) dendrimers and iodine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 58-65.	2.0	37
29	Spectrophotometric and electrical studies of charge-transfer complexes of sodium flucloxacillin with I <sup>-</sup> -acceptors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 732-741.	2.0	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. <i>Comptes Rendus Chimie</i> , 2015, 18, 914-928.	0.2	36
31	Spectral, thermal, XRD and SEM studies of charge-transfer complexation of hexamethylenediamine and three types of acceptors: I <sup>-</sup> , I <sup>-</sup> and vacant orbital acceptors that include quinol, picric acid, bromine, iodine, SnCl <sub>4</sub> and ZnCl <sub>2</sub> acceptors. <i>Journal of Molecular Structure</i> , 2013, 1051, 144-163.	1.8	35
32	Liquid and solid-state study of antioxidant quercetin donor and TCNE acceptor interaction: Focusing on solvent affect on the morphological properties. <i>Journal of Molecular Liquids</i> , 2017, 233, 292-302.	2.3	34
33	Complexation and thermogravimetric investigation on tin(II) and tin(IV) with norfloxacin as antibacterial agent. <i>Journal of Coordination Chemistry</i> , 2006, 59, 759-775.	0.8	33
34	Spectroscopic, thermal and antitumor investigations of sulfasalazine drug in situ complexation with alkaline earth metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 108-117.	2.0	33
35	Usefulness of charge-transfer complexation for the assessment of sympathomimetic drugs: Spectroscopic properties of drug ephedrine hydrochloride complexed with some I <sup>-</sup> -acceptors. <i>Journal of Molecular Structure</i> , 2014, 1064, 58-69.	1.8	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 34-47.	2.0	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. <i>Journal of Molecular Liquids</i> , 2016, 216, 192-208.	2.3	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. <i>PLoS ONE</i> , 2021, 16, e0246265.	1.1	32
39	Identification of a new anti-diabetic agent by combining VOSO <sub>4</sub> and vitamin E in a single molecule: Studies on its spectral, thermal and pharmacological properties. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3070-3079.	2.6	31
40	Spectral, thermal and biological studies of Mn(II) and Cu(II) complexes with two thiosemicarbazide derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 336-346.	2.0	31
41	Shedding light on the photostability of two intermolecular charge-transfer complexes between highly fluorescent bis-1,8-naphthalimide dyes and some $\pi$ -acceptors: A spectroscopic study in solution and solid states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 288-301.	2.0	31
42	Preparation of some compounds and study their thermal stability for use in dye sensitized solar cells. <i>Journal of Molecular Liquids</i> , 2018, 261, 565-582.	2.3	31
43	Spectroscopic and fluorescence studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes with NO donor fluorescence dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 215-227.	2.0	30
44	Spectroscopic and thermal investigations of charge-transfer complexes formed between sulfadoxine drug and different types of acceptors. <i>Journal of Molecular Structure</i> , 2011, 985, 380-390.	1.8	30
45	Synthesis, spectroscopic, and thermal investigation of transition and non-transition complexes of metformin as potential insulin-mimetic agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2079-2096.	2.0	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. <i>Journal of Molecular Structure</i> , 2015, 1085, 178-190.	1.8	30
47	Synthesis, structural characterization and biological studies of some nalidixic acid-metal complexes: Metalloantibiotic complexes of some divalent and trivalent metal ions. <i>Journal of Molecular Structure</i> , 2015, 1094, 22-35.	1.8	30
48	Biomarkers charge-transfer complexes of melamine with quinol and picric acid: Synthesis, spectroscopic, thermal, kinetic and biological studies. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3482-S3492.	2.3	30
49	Charge-transfer interaction of iodine with some polyamidoamines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 205-211.	2.0	29
50	Metal complexes of antiurathic drug: Synthesis, spectroscopic characterization and thermal study on allopurinol complexes. <i>Journal of Molecular Structure</i> , 2008, 888, 416-429.	1.8	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. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009, 19, 521.	1.9	29
52	Charge-transfer complexes of sulfamethoxazole drug with different classes of acceptors. <i>Journal of Molecular Structure</i> , 2010, 980, 124-136.	1.8	29
53	Synthesis, thermal and spectroscopic behaviors of metal-drug complexes: La(III), Ce(III), Sm(III) and Y(III) amoxicillin trihydrate antibiotic drug complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 427-446.	2.0	29
54	IR, <sup>1</sup> H NMR, mass, XRD and TGA/DTA investigations on the ciprofloxacin/iodine charge-transfer complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1356-1363.	2.0	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. <i>Journal of Molecular Structure</i> , 2015, 1102, 170-185.	1.8	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. <i>Journal of Molecular Liquids</i> , 2019, 287, 110981.	2.3	28
57	Spectroscopic and structural studies on charge-transfer complexes of lanthanum(III)acetylacetonate with $\pi$ -acceptor iodine and $\sigma$ -acceptor DDQ. <i>Journal of Molecular Structure</i> , 2011, 994, 289-294.	1.8	27
58	Chemical and physical properties of the charge transfer complexes of domperidone antiemetic agent with $\pi$ -acceptors. <i>Journal of Molecular Liquids</i> , 2019, 293, 111517.	2.3	27
59	An Environmentally Friendly Method for Removing Hg(II), Pb(II), Cd(II) and Sn(II) Heavy Metals from Wastewater Using Novel Metal-Modified Carbon-Based Composites. <i>Crystals</i> , 2021, 11, 882.	1.0	27
60	Charge transfer complex of some nervous and brain drugs – Part 1: Synthesis, spectroscopic, analytical and biological studies on the reaction between haloperidol antipsychotic drugs with $\pi$ -acceptors. <i>Journal of Molecular Structure</i> , 2013, 1034, 1-18.	1.8	26
61	SYNTHESIS, SPECTROSCOPIC, AND CONDUCTIVITY AND THERMAL STUDIES ON Co(III) ACETYLACETONATE-IODINE COMPLEX. <i>Surface Review and Letters</i> , 2006, 13, 439-449.	0.5	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. <i>Journal of Molecular Structure</i> , 2013, 1037, 170-185.	1.8	25
63	Synthesis, spectroscopic, thermal and anticancer studies of metal-antibiotic chelations: Ca(II), Fe(III), Pd(II) and Au(III) chloramphenicol complexes. <i>Journal of Molecular Structure</i> , 2016, 1119, 157-166.	1.8	25
64	Preparation of elastic polymer slices have the semiconductors properties for use in solar cells as a source of new and renewable energy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 361, 76-85.	2.0	25
65	Structural, electrochemical and optical properties of 1,2,4-triazine derivative. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	25
66	Proton-transfer and charge-transfer interactions between the antibiotic trimethoprim and several $\pi$ - and $\sigma$ -acceptors: A spectroscopic study. <i>Journal of Molecular Structure</i> , 2021, 1231, 129687.	1.8	25
67	Synthesis and characterization of V(III), Cr(III) and Fe(III) hippurates. <i>Journal of Molecular Structure</i> , 2005, 737, 139-145.	1.8	24
68	Electronic, infrared, and <sup>1</sup> HNMR spectral studies of the novel charge-transfer complexes of o-tolidine and p-toluidine with alternation $\pi$ -acceptors (3,5-dinitro benzoic acid and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (2,6-dichloroquinone) <i>Biomolecular Spectroscopy</i> , 2006, 64, 778-788.	2.0	24
69	Preparation, structural characterization and biological evaluation of l-tyrosinate metal ion complexes. <i>Journal of Molecular Structure</i> , 2008, 881, 28-45.	1.8	23
70	Intermolecular hydrogen bond complexes by in situ charge transfer complexation of o-tolidine with picric and chloranilic acids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 672-679.	2.0	23
71	Chemistry of drug interactions: Characterization of charge-transfer complexes of Guaifenesin with various acceptors using spectroscopic and thermal methods. <i>Russian Journal of General Chemistry</i> , 2014, 84, 1847-1856.	0.3	23
72	Synthesis, chemical identification, antioxidant capacities and immunological evaluation studies of a novel silver(I) carbocysteine complex. <i>Chemico-Biological Interactions</i> , 2014, 220, 169-180.	1.7	23

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73	Synthesis of amino acid iodine charge transfer complexes in situ methanolic medium: Chemical and physical investigations. <i>Journal of Molecular Liquids</i> , 2016, 222, 1061-1067.	2.3	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 166-177.	2.0	23
75	Preparation, thermal and vibrational studies of [UO <sub>2</sub> (acac-o-phdn)(L)] (L=H <sub>2</sub> O, py, DMF and Et <sub>3</sub> N). <i>Journal of Coordination Chemistry</i> , 2005, 58, 1077-1085.	0.8	22
76	Synthesis and characterization of N,N- $\epsilon^2$ -bis[2-hydroxyethyl]-1,4,6,8-naphthalenediimide with para substituted of phenols based on charge-transfer complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 123-133.	2.0	22
77	Synthesis and spectroscopic characterization of piperidine/chloranil and piperidine/7,7- $\epsilon^2$ ,8,8- $\epsilon^2$ -tetracyanoquinodimethane charge transfer complexes: X-ray crystal structure of a 7,7-dicyano-8,8-di-piperidinoquinodimethane adduct. <i>Polyhedron</i> , 2008, 27, 475-484.	1.0	22
78	Spectroscopic characterizations and biological studies on newly synthesized Cu <sup>2+</sup> and Zn <sup>2+</sup> complexes of first and second generation dendrimers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 772-782.	2.0	22
79	Infrared, Raman, <sup>1</sup> H 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. <i>Russian Journal of General Chemistry</i> , 2014, 84, 1417-1428.	0.3	22
80	Nanostructured products of the drug theophylline caused by charge transfer interactions and a binary solvent system: Morphology and nanometry. <i>Journal of Molecular Liquids</i> , 2015, 209, 33-41.	2.3	22
81	Spectroscopic and thermal degradation behavior of Mg(II), Ca(II), Ba(II) and Sr(II) complexes with paracetamol drug. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2376-S2387.	2.3	22
82	Synthesis, spectroscopic, thermal, biological, morphological and molecular docking studies of the different quinolone drugs and their cobalt(II) complexes. <i>Journal of Molecular Liquids</i> , 2018, 249, 438-453.	2.3	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). <i>Journal of Molecular Structure</i> , 2010, 969, 163-171.	1.8	21
84	Syntheses and characterization of two copper pyridine-dicarboxylate compounds containing water clusters. <i>Polyhedron</i> , 2010, 29, 2345-2351.	1.0	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 534-544.	2.0	21
86	Spectroscopic, structural characterizations and antioxidant capacity of the chromium (III) niacinamide compound as a diabetes mellitus drug model. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 122-131.	2.0	21
87	Enhancing the Antipsychotic Effect of Risperidone by Increasing Its Binding Affinity to Serotonin Receptor via Picric Acid: A Molecular Dynamics Simulation. <i>Pharmaceuticals</i> , 2022, 15, 285.	1.7	21
88	A novel method for preparation of cobalt(II) and lead(II) carbonates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2803-2805.	2.0	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 915-928.	2.0	20
90	Synthesis of a new insulin-mimetic anti-diabetic drug containing vitamin A and vanadium(IV) salt: Chemico-biological characterizations. <i>International Journal of Immunopathology and Pharmacology</i> , 2017, 30, 272-281.	1.0	20

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91	Preparation and Characterization of Tin(II) Complexes with Isomeric Series of Schiff Bases as Ligands. <i>Journal of the Korean Chemical Society</i> , 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. <i>Journal of Molecular Liquids</i> , 2022, 349, 118121.	2.3	20
93	Preparation and Characterization of New CrFeO <sub>3</sub> -Carbon Composite Using Environmentally Friendly Methods to Remove Organic Dye Pollutants from Aqueous Solutions. <i>Crystals</i> , 2021, 11, 960.	1.0	19
94	Supramolecular charge-transfer complex generated by the interaction between tin(II) 2,3-naphthalocyanine as a donor with DDQ as an acceptor: Spectroscopic studies in solution state and theoretical calculations. <i>Journal of Molecular Liquids</i> , 2022, 362, 119757.	2.3	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. <i>Bulletin of Materials Science</i> , 2009, 32, 205-214.	0.8	18
96	Legitional behavior of 5,5-diethylbarbituric acid sodium salt (HL) towards Mg, Ca, Sr, Ba(II), spectral, thermal and biological studies. <i>Journal of Molecular Structure</i> , 2011, 988, 111-118.	1.8	18
97	Synthesis, spectroscopic and antimicrobial studies of La(III), Ce(III), Sm(III) and Y(III) Metformin HCl chelates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 392-404.	2.0	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. <i>Journal of Coordination Chemistry</i> , 2005, 58, 1727-1734.	0.8	17
99	Synthesis and characterization of Mn(II), Au(III) and Zr(IV) hippurates complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 840-849.	2.0	17
100	Spectroscopic and structural characterization of the charge-transfer interaction of N,N- $\epsilon^2$ -bis-alkyl derivatives of 1,4,6,8-naphthalenediimide with chloranilic and picric acids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 907-915.	2.0	17
101	Charge-transfer interactions of metoclopramide nausea drug against six kind of $\pi\pi^*$ -acceptors: Spectral and thermal discussions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 455-466.	2.0	17
102	Structural, thermal, kinetic and pharmacology in vitro studies of H-bonded complexes formed between the sedative-hypnotic drug 5,5-diethylbarbituric acid with various acceptors: Liquid and solid characterization. <i>Journal of Molecular Liquids</i> , 2014, 196, 142-152.	2.3	17
103	Synthesis and in vitro microbial evaluation of La(III), Ce(III), Sm(III) and Y(III) metal complexes of vitamin B6 drug. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 196-215.	2.0	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 323-332.	2.0	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. <i>Journal of Molecular Liquids</i> , 2021, 325, 115187.	2.3	17
106	Antioxidant, Antigenotoxic, and Hepatic Ameliorative Effects of Quercetin/Zinc Complex on Cadmium-Induced Hepatotoxicity and Alterations in Hepatic Tissue Structure. <i>Coatings</i> , 2021, 11, 501.	1.2	17
107	Synthesis and molecular structure of moxifloxacin drug with metal ions as a model drug against some kinds of bacteria and fungi. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2366-2373.	0.3	16
108	Development of medical drugs: Synthesis and in vitro bio-evaluations of nanomedicinal zinc- $\epsilon$ -penicillins polymeric hydrogel membranes for wound skin dressing by new chemical technology. <i>Journal of Molecular Liquids</i> , 2018, 255, 462-470.	2.3	16

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109	FTIR, magnetic, <sup>1</sup> H NMR spectral and thermal studies of some chelates of caproic acid: Inhibitory effect on different kinds of bacteria. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 217-233.	2.0	15
110	Spectroscopic, thermal and biocidal studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes of tridentate ligand having semicarbazone moieties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 261-267.	2.0	15
111	Experimental and spectroscopic studies of charge transfer reaction between sulfasalazine antibiotic drug with different types of acceptors. <i>Drug Testing and Analysis</i> , 2011, 3, 116-131.	1.6	15
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