

# Taha Guerfel

## List of Publications by Year in descending order

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45  
papers

407  
citations

759233

12  
h-index

888059

17  
g-index

48  
all docs

48  
docs citations

48  
times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, structure, photophysical properties and biological activity of a cobalt(II) coordination complex with 4,4'-bipyridine and porphyrin chelating ligands. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 781-794.	5.2	34
2	Crystallographic and first-principles density functional theory study on the structure, noncovalent interactions, and chemical reactivity of 1,5-benzodiazepinones derivatives. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e26000.	2.0	30
3	Computational chemistry methods for modelling non-covalent interactions and chemical reactivity: An overview. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100208.	2.8	22
4	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2000, 30, 805-809.	1.1	21
5	Synthesis and X-Ray Analysis of a New [6]Helicene. <i>Synthetic Communications</i> , 2006, 36, 1557-1567.	2.1	20
6	A newly synthesized nitrogen-rich derivative of bicyclic quinoxaline: Structural and conceptual DFT reactivity study. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4055.	1.9	19
7	Modelling, structural, thermal, optical and vibrational studies of a new organic-inorganic hybrid material (C <sub>5</sub> H <sub>16</sub> N <sub>2</sub> )Cd <sub>1.5</sub> Cl <sub>5</sub> . <i>Bulletin of Materials Science</i> , 2017, 40, 55-66.	1.7	18
8	Heteroleptic cobalt(II) complex with nitrogen-rich macrocycles: Structure, bioactivity and DFT modelling. <i>Solid State Sciences</i> , 2020, 100, 106117.	3.2	17
9	Two New Coordination Compounds Based on Polymeric, [CdCl <sub>3</sub> O] <sub>n</sub> Chains or [Cd <sub>2.5</sub> Cl <sub>7</sub> O <sub>2</sub> ] <sub>n</sub> 2n Layers: Synthesis, Crystal Structures, Physico-Chemical Properties and Theoretical Calculations. <i>Journal of Cluster Science</i> , 2016, 27, 1395-1417.	3.3	15
10	Synthesis, Crystal Structure, Vibrational Spectra, Optical Properties and Thermal Analysis of a New Chlorocadmate Templated by 1-(2-Ammoniummethyl) Piperazinium. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 766-775.	3.7	14
11	Synthesis, structure and theoretical simulation of a zinc(II) coordination complex with 2,3-pyridinedicarboxylate. <i>Journal of Molecular Structure</i> , 2020, 1199, 127015.	3.6	14
12	Structural and computational analyses of a 2-propanolammonium-chlorocadmate(II) assembly: Pivotal role of hydrogen bonding and H...H interactions. <i>Journal of Molecular Structure</i> , 2021, 1223, 128998.	3.6	14
13	A new high-spin iron(III) bis(aqua) complex with the meso-tetra(para-chlorophenyl)porphyrin: X-ray crystallography, Hirshfeld surface analysis, magnetic, EPR and electrochemical properties. <i>Research on Chemical Intermediates</i> , 2018, 44, 7259-7276.	2.7	13
14	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2000, 30, 799-804.	1.1	12
15	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2001, 31, 333-338.	1.1	12
16	Spectroscopic, Electrochemical, Magnetic and Structural Characterization of an Hexamethylenetetramine Co(II) Porphyrin Complex: Application in the Catalytic Degradation of Vat Yellow 1 dye. <i>Journal of Molecular Structure</i> , 2021, 1231, 129676.	3.6	12
17	Structure, thermal behavior, and IR investigation of a new organic sulfate. <i>Journal of Chemical Crystallography</i> , 1999, 29, 1205-1210.	1.1	11
18	Crystal structure, thermal analysis and IR spectrometric investigation of L-tyrosine hydrazide sulfate. <i>Solid State Sciences</i> , 2001, 3, 859-866.	3.2	11

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19	Synthesis, characterization and crystal structure of diamagnetic tetracoordinated chromium (II) complexes supported by $\hat{1}\pm$ -diimine ligands. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1023-1025.	3.9	10
20	Crystal structure and thermal analysis of 1,5-diammonium-2-methyl pentane sulfate monohydrate. <i>Journal of Chemical Crystallography</i> , 2000, 30, 95-98.	1.1	8
21	Synthesis and structure of new cationic methallyl molybdenum(II) complexes supported by $\hat{1}\pm$ -diimine ligands. <i>Polyhedron</i> , 2009, 28, 569-573.	2.2	7
22	Crystal structure, thermal analysis, and IR spectroscopic investigation of bis(2-amino-6-methyl) pyridinium sulfate. <i>Journal of Chemical Crystallography</i> , 2005, 35, 513-521.	1.1	6
23	Synthesis and X-ray structure of cationic methallyl palladium complexes supported by unsymmetrical $\hat{1}^2$ -diimine ligands. <i>Polyhedron</i> , 2008, 27, 893-897.	2.2	6
24	Synthesis and crystal structure of tetracoordinated molybdenum (II) complexes containing rigid $\hat{1}\pm$ -diimine ligands. <i>Polyhedron</i> , 2006, 25, 1142-1146.	2.2	5
25	Preparation and structural characterization of tetracoordinated tungsten(II) diazadiene complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1857-1861.	1.8	5
26	Crystal structure and physicochemical properties of a new organic condensed phosphate (C <sub>7</sub> H <sub>10</sub> NO) <sub>3</sub> P <sub>3</sub> O <sub>9</sub> ·4H <sub>2</sub> O. <i>Materials Research Bulletin</i> , 2007, 42, 446-455.	5.2	5
27	Neutral nickel(II) complex bearing hemilabile N,S-donor ligands $\hat{a}\epsilon^{\ast}$ structural, Hirshfeld surfaces and DFT studies. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 709, 98-110.	0.9	5
28	Non-covalent assembly of $\hat{1}^2$ -iminoamine-chlorocobaltate(II) hybrid material: Molecular structure, computational simulations and antimicrobial activity. <i>Journal of Molecular Structure</i> , 2022, 1251, 131967.	3.6	5
29	Crystal structures, thermal analysis and IR investigations of (C <sub>4</sub> H <sub>14</sub> N <sub>2</sub> O)SO <sub>4</sub> and (C <sub>4</sub> H <sub>14</sub> N <sub>2</sub> O)SO <sub>4</sub> ·H <sub>2</sub> O. <i>Materials Research Bulletin</i> , 2007, 42, 149-158.	5.2	4
30	Experimental and computational studies on the structure and properties of a novel low-spin iron(III) macrocyclic complex. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 702, 92-109.	0.9	4
31	Crystal structure, thermal analysis and IR spectroscopic investigation of bis (N-methyl anilinium) sulfate. <i>Open Journal of Inorganic Chemistry</i> , 2011, 01, 47-53.	0.7	4
32	Crystal structure, thermal analysis and IR spectrometric investigation of l-tyrosine hydrazide diphosphate monohydrate. <i>Materials Research Bulletin</i> , 2006, 41, 2024-2034.	5.2	3
33	Synthesis and structure of the unsymmetrical $\hat{1}^2$ -diimine precursor: The $\hat{1}^2$ -iminoamine. <i>Comptes Rendus Chimie</i> , 2008, 11, 752-758.	0.5	3
34	Chemo- and Regioselective 1,3-Dipolar Cycloaddition of 2-Diazopropane over 1,4-Benzoquinone: Synthesis of New Pyrazoloquinones. <i>Synthetic Communications</i> , 2013, 43, 859-864.	2.1	3
35	Crystal structure, vibrational studies, optical properties and TG-DTA investigations of a new chlorocadmate templated by 1-methylimidazolium. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 253-260.	2.6	3
36	Synthesis, Thermal Properties and Electrical Conductivity of Na-Sialate Geopolymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3083-3092.	3.7	3

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37	Crystal structure, thermal analysis and IR spectrometric investigation of bis (2-amino-6-methyl) pyridinium sulfate. <i>Crystal Research and Technology</i> , 2006, 41, 416-422.	1.3	2
38	Synthesis, structure, spectroscopic investigations, and computational studies of optically pure $\beta$ -ketoamide. <i>Crystallography Reports</i> , 2016, 61, 1064-1071.	0.6	2
39	Synthesis and structure of heterodifunctional N,O ligands. <i>Comptes Rendus Chimie</i> , 2009, 12, 521-526.	0.5	1
40	Crystal Structure and Physicochemical Properties of 2-Diisopropylammonium Ethylammonium Sulfate Dihydrate. <i>Crystal Structure Theory and Applications</i> , 2012, 01, 40-45.	0.1	1
41	Crystal Structure, Thermal Analysis, IR and Raman Spectroscopic Investigations of $(C_8H_{22}N_2)(AsO_2(OH)_2)_2$ . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 1511-1518.	3.7	1
42	Crystal structure, phase transitions, and IR spectroscopic investigations of a new sulfate templated by diethylene triammonium. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 765-771.	1.6	1
43	Synthesis and structural studies of hexafluorophosphate-based organic salts: A combined experimental and computational analysis. <i>Journal of Molecular Structure</i> , 2020, 1202, 127337.	3.6	1
44	2,2-Bis(3-chloromethyl-4-ethoxyphenyl)propane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1360-o1360.	0.2	0
45	Crystal structure of 2-isopropyl-5,7-dimethyl-1,3,6,8a',8b'-hexahydrospiro[cyclohexane-1,6-furo[3,4-d]imidazo[1,5-b]isoxazol]-8a',8b'-dithiolane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1150-1152.		