Hasan Tanak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/47021/publications.pdf

Version: 2024-02-01

77 papers	1,421 citations	331670 21 h-index	361022 35 g-index
77 all docs	77 docs citations	77 times ranked	3102 citing authors

#	Article	IF	Citations
1	Comparative structural, spectroscopic and nonlinear optical analysis of a Schiff base compound with experimental and theoretical methods (HF, B3LYP and WB97X-D). Optik, 2021, 228, 166133.	2.9	6
2	Synthesis, Molecular Structure and Spectroscopic Studies of 6,6'-(1E,1'E)-(Ethane-1,2-Diylbis(azan-1-yl-1-ylidene))bis(Phenylmethan-1-yl-1-ylidene)bis(3-(Octyloxy)phenol). Crystallography Reports, 2020, 65, 1217-1220.	0.6	0
3	Congo red filtration by polyacrylonitrile-based copolymer membranes. Canadian Journal of Chemistry, 2020, 98, 421-426.	1.1	2
4	Experimental and DFT computational studies of novel 3-(p-cyanophenyl)-5-(o,m,p-nitrophenyl)-5-phenylformazans. Journal of Molecular Structure, 2020, 1213, 128178.	3.6	8
5	Synthesis, Molecular Structure and Quantum Chemical Studies of N-(2-Fluorophenyl)-1-(5-Nitrothiophen-2-yl)methanimine. Crystallography Reports, 2020, 65, 1212-1216.	0.6	4
6	Crystal structure and DFT computational studies of (E)-2,4-di-tert-butyl-6-{[3-(trifluoromethyl)benzyl]iminomethyl}phenol. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 732-735.	0.5	0
7	Crystal Structure, Spectroscopic and DFT Computational Studies of N-(4-Fluorophenyl)-1-(5-Nitrothiophen-2-yl)methanimine. Crystallography Reports, 2020, 65, 1221-1225.	0.6	2
8	Structural, spectroscopic and electronic properties of 4-bromo-5-fluoro-2-((3-nitrophenylimino)methyl)phenol Schiff-base molecule: Experimental and theoretical investigations. Journal of Molecular Structure, 2019, 1197, 9-18.	3.6	11
9	Molecular structure, spectroscopic and density functional studies on 2-{[(5-nitrothiophen-2-yl)methylidene]amino}phenol. Optik, 2019, 195, 163144.	2.9	1
10	DFT Quantum Chemical Studies on Structural, Nonlinear Optical, Reactivity and Thermodynamic Properties of 4â€Methoxyâ€2â€{(E)â€[(thiophenâ€2â€yl)ethylimino]methyl}phenol. ChemistrySelect, 2019, 4, 10876-10883.	1.5	9
11	Molecular and Electronic Analysis of (7-Chloro-2-oxo-2H-chromen-4-yl)-methyl diethylcarbamodithioate by DFT and HF Calculations. Acta Physica Polonica A, 2019, 136, 3-17.	0.5	1
12	Martensitic Transformation and Magnetic Properties of the CuAl, CuAlMn, and CuAlMnZn Alloys. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3919-3923.	1.8	9
13	Analysis on molecular, spectroscopic and electronic behavior of 4,4'-(butane-1,4-diyl)bis(1-((1-(4-chlorobenzyl)-1H-1,2,3-triazol-5-yl)methyl)-3-methyl-1H-1,2,4-triazol-5(4H)-one): A theoretical approach. Journal of Molecular Structure, 2018, 1174, 60-66.	3.6	2
14	Experimental and theoretical studies of bis[(E)-1-((3-chloro-4-methylphenylimino)methyl)naphthalen-2-olate-N,O]copper(II). Journal of Molecular Structure, 2018, 1174, 184-191.	3.6	3
15	Crystal and Molecular Structure of 2-(4-Ethoxyphenyl)isoindoline-1,3-dione. Crystallography Reports, 2018, 63, 1116-1119.	0.6	0
16	Crystal Structure of 4-Amino-3-(thiophen-2-ylmethyl)-1H-1,2,4-triazole-5(4H)one Monohydrate. Crystallography Reports, 2018, 63, 585-588.	0.6	4
17	Crystal Structure of 2-((E)-(5-Bromo-2- hydroxybenzylidene)hydrazono)-1,2-diphenylethanone. Crystallography Reports, 2018, 63, 375-378.	0.6	1
18	Molecular and Crystal Structure of 2-{(E)-[(5-Chloro-2-methoxyphenyl)imino]methyl}-4-nitrophenol. Crystallography Reports, 2018, 63, 372-374.	0.6	4

#	Article	IF	Citations
19	Crystal and Molecular Structure of N-(Phenylthio)phthalimide. Crystallography Reports, 2018, 63, 379-381.	0.6	2
20	Synthesis, crystal structure, spectroscopic characterization and DFT studies of bis[(1Z,2E)-N-(2,6-diethylphenyl)-Nâ€²-hydroxy-2-(hydroxyimino)acetimidamidato]nickel(II). Inorganica Chimica Acta, 2017, 459, 36-44.	2.4	6
21	DFT quantum chemical studies of (E)-4-Bromo-N-(2-chlorobenzylidene)-aniline. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	7
22	Investigation of antimicrobial activities, DNA interaction, structural and spectroscopic properties of 2-chloro-6-(trifluoromethyl)pyridine. Journal of Molecular Structure, 2017, 1137, 206-215.	3.6	8
23	Molecular structure, spectroscopic, and density functional theory studies of o-Dianisidine. Molecular Crystals and Liquid Crystals, 2017, 648, 183-201.	0.9	7
24	Crystal and Molecular Structure of 3,5-Diphenyl-4,5-dihydro-2-phenylcarboxamide-1H-pyrazole. Crystallography Reports, 2017, 62, 1078-1082.	0.6	1
25	Quantum chemical studies on the molecular structure, spectroscopic and electronic properties of (6-Methoxy-2-oxo-2H-chromen-4-yl)-methyl pyrrolidine-1-carbodithioate. Materials Science-Poland, 2016, 34, 886-904.	1.0	18
26	Synthesis, crystal structure, spectral analysis and DFT computational studies on a novel isoindoline derivative. Journal of Molecular Structure, 2016, 1118, 1-9.	3.6	14
27	Molecular structure, vibrational spectra and DFT computational studies of melaminium N-acetylglycinate dihydrate. Journal of Molecular Structure, 2016, 1121, 142-155.	3.6	13
28	Experimental (XRD, IR and NMR) and theoretical investigations on 1-(2-nitrobenzoyl)3,5-bis(4-methoxyphenyl)-4,5-dihydro-1H-pyrazole. Journal of Molecular Structure, 2016, 1126, 117-126.	3.6	46
29	Molecular and crystal structure of 2-{(E)-[(4-Methylphenyl)imino]methyl}-4-nitrophenol: A redetermination. Crystallography Reports, 2016, 61, 239-242.	0.6	2
30	Crystal structure of (E)-3-fluoro-N-((5-nitrothiophen-2-yl)methylene)aniline. Crystallography Reports, 2016, 61, 410-413.	0.6	5
31	Molecular structure and vibrational assignment of 1-[N-(2-pyridyl) aminomethylidene}-2(1H)-Naphtalenone by density functional theory (DFT) and ab initio Hartreeâ€“Fock (HF) calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 525-529.	3.9	7
32	Molecular structure and vibrational and chemical shift assignments of 3â€²-chloro-4-dimethylamino azobenzene by DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 530-536.	3.9	20
33	A combined experimental (XRD, FT-IR, and UVâ€“Vis) and DFT computational studies on (E)-N-[4-bromo-2-(trifluromethoxy)phenyl]-1-(5-nitrothiophen-2-yl) methanimine. Molecular Physics, 2016, 114, 197-212.	1.7	15
34	Crystal structure of 2-{[(5-nitrothiophen-2-yl)methylidene]amino}phenol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o418-o418.	0.5	3
35	Molecular structure, spectroscopic and DFT computational studies on 4,5-bis(tert-butylsulfanyl)phthalonitrile. Journal of Molecular Structure, 2015, 1090, 86-92.	3.6	10
36	Identification of structural and spectral properties of synthesized 3-(p-isopropylphenyl)-5-(o,m,p-nitrophenyl)-1-phenylformazans: A combined experimental and DFT study. Dyes and Pigments, 2015, 113, 510-521.	3.7	18

#	Article	IF	Citations
37	Molecular and crystal structure of 3-benzyl-4-(4-carboxyphenyl)-4,5-dihydro-1H-1,2,4-triazol-5-one. Crystallography Reports, 2014, 59, 974-978.	0.6	2
38	Molecular structure, spectroscopic (FT-IR and UV-Vis) and DFT quantum-chemical studies on 2-[(2,4-Dimethylphenyl)iminomethyl]-6-methylphenol. Molecular Physics, 2014, 112, 1553-1565.	1.7	25
39	Crystal structure of 4-[(Benzylidene-amino)]-2-(2-oxo-2-phenylethyl)-5-thiophen-2-ylmethyl-2,4-dihydro-[1,2,4]triazol-3-one. Crystallography Reports, 2014, 59, 969-973.	0.6	1
40	Structural, vibrational and theoretical studies of anilinium trichloroacetate: New hydrogen bonded molecular crystal with nonlinear optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 82-93.	3.9	29
41	Experimental (XRD, FT-IR and UVâ€“Vis) and theoretical modeling studies of Schiff base (E)-Nâ€²-((5-nitrothiophen-2-yl)methylene)-2-phenoxyaniline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 672-682.	3.9	87
42	Molecular structure, spectroscopic and quantum chemical studies on 2â€²-chloro-4-dimethlamino azobenzene. Journal of Molecular Structure, 2014, 1068, 189-197.	3.6	35
43	Molecular structure, vibrational spectra, NLO and MEP analysis of bis[2-hydroxy-ÐºO-N-(2-pyridyl)-1-naphthaldiminato-ÐºN]zinc(II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 145-153.	3.9	17
44	Crystal structure of 4-[benzylideneamino]-3-thiophen-2-yl-methyl-4,5-dihydro-1H-[1,2,4]triazole-5-one. Crystallography Reports, 2013, 58, 1103-1106.	0.6	6
45	Molecular structure and vibrational spectra of Bis(melaminium) terephthalate dihydrate: A DFT computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 156-164.	3.9	14
46	FT-IR, FT-Raman, and DFT computational studies of melaminium nitrate molecularâ€“ionic crystal. Journal of Molecular Structure, 2013, 1034, 363-373.	3.6	32
47	Combined experimental and DFT computational studies on (E)-1-(5-nitrothiophen-2-yl)-N-[4-(trifluoromethyl)phenyl]methanimine. Journal of Molecular Structure, 2013, 1048, 41-50.	3.6	40
48	2-{(E)-[(2-Methyl-3-nitrophenyl)imino]methyl}-4-nitrophenol. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1085-o1085.	0.2	5
49	DFT QUANTUM CHEMICAL STUDIES ON 1-[N-(2-PYRÄ°DYL) AMÄ°NOMETHYLÄ°DENE]-2(1H)-NAPHTALENONE. Journal of Theoretical and Computational Chemistry, 2012, 11, 745-762.	1.8	20
50	Density functional computational studies on 2â€[(2,4â€Dimethylphenyl)iminomethyl]â€3,5â€dimethoxyphenol. International Journal of Quantum Chemistry, 2012, 112, 2392-2402.	2.0	39
51	Quantum-chemical, spectroscopic and X-ray diffraction studies of (E)-2-[(2-Bromophenyl)iminomethyl]-4-trifluoromethoxyphenol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 15-24.	3.9	40
52	Crystal structure, spectroscopic investigations and density functional studies of 4-(4-methoxyphenethyl)-5-benzyl-2H-1,2,4-triazol-3(4H)-one monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 93, 106-115.	3.9	31
53	Crystal Structure, Spectroscopy, and Quantum Chemical Studies of (E)-2-[(2-Chlorophenyl)iminomethyl]-4-trifluoromethoxyphenol. Journal of Physical Chemistry A, 2011, 115, 13865-13876.	2.5	78
54	Combined experimental and computational modeling studies on 4â€[(2â€hydroxyâ€3â€methylbenzylidene) amino]â€1,5â€dimethylâ€2â€phenylâ€1,2â€dihydroâ€3Hâ€pyrazolâ€3â€one. International Journal of Quantum Chemistry, 2011, 111, 2123-2136.	2.0	26

#	Article	IF	Citations
55	DFT computational modeling studies on 4-(2,3-Dihydroxybenzylideneamino)-3-methyl-1H-1,2,4-triazol-5(4H)-one. Computational and Theoretical Chemistry, 2011, 967, 93-101.	2.5	41
56	Synthesis and Structural and Biochemical Activity Studies of Dioxime Ligand and its Mononuclear Cu(II), Ni(II), and Co(II) Complexes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 1249-1256.	0.6	2
57	2-Ethyl-N-[(5-nitrothiophen-2-yl)methylidene]aniline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2004-o2004.	0.2	15
58	Experimental and Computational Approaches to the Molecular Structure of 3-(2-Mercaptopyridine)phthalonitrile. Bulletin of the Korean Chemical Society, 2011, 32, 673-680.	1.9	64
59	Quantum chemical computational studies on 2-methyl-6-[2-(trifluoromethyl)phenyliminomethyl]phenol. Computational and Theoretical Chemistry, 2010, 950, 5-12.	1.5	61
60	Density functional computational studies on (E)-2-[(2-Hydroxy-5-nitrophenyl)-iminiomethyl]-4-nitrophenolate. Journal of Molecular Modeling, 2010, 16, 235-241.	1.8	54
61	Experimental and DFT computational studies on 5-benzyl-4-(3,4-dimethoxyphenethyl)-2H-1,2,4-triazol-3(4H)-one. Journal of Molecular Modeling, 2010, 16, 447-457.	1.8	19
62	Experimental and quantum chemical calculational studies on 2-[(4-Fluorophenylimino)methyl]-3,5-dimethoxyphenol. Journal of Molecular Modeling, 2010, 16, 577-587.	1.8	76
63	The synthesis of some new imidazole and triazole derivatives: crystal Structure and DFT-TDDFT investigation on electronic structure. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 67, 325-334.	1.6	15
64	Experimental and computational studies on zwitterionic (E)-2-(1-(2-(4-methylphenylsulfonamido)ethyliminio)ethyl) phenolate. Structural Chemistry, 2010, 21, 1027-1036.	2.0	7
65	Experimental and theoretical studies of the molecular structure of 4-(3-(1H-imidazol-1-yl)propyl)-5-p-tolyl-2H-1,2,4-triazol-3(4H)-one. Journal of Molecular Structure, 2010, 984, 137-145.	3.6	21
66	Density functional modelling studies on N-2-Methoxyphenyl-2-oxo-5-nitro-1-benzylidenemethylamine. Computational and Theoretical Chemistry, 2010, 961, 9-16.	1.5	41
67	Ethyl 4-(3-ethyl-5-oxo-4,5-dihydro-1H-1,2,4-triazol-4-yl)benzoate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1294-o1294.	0.2	8
68	An experimental and DFT computational study on 4-(3-(1H-imidazol-1-yl)propyl)-5-methyl-2H-1,2,4-triazol-3(4H)-one monohydrate. Molecular Physics, 2010, 108, 127-139.	1.7	44
69	Experimental and quantum chemical calculational studies on 2-[(4-propylphenylimino)methyl]-4-nitrophenol. Molecular Physics, 2010, 108, 1759-1772.	1.7	37
70	1-Benzoylmethyl-3-(2-thienylmethyl)-4-(2-thienylmethyleneamino)-1H-1,2,4-triazol-5(4H)-one. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o301-o301.	0.2	2
71	Theoretical modeling and experimental studies on N-n-Decyl-2-oxo-5-nitro-1-benzylidene-methylamine. Journal of Molecular Modeling, 2009, 15, 1281-1290.	1.8	43
72	Experimental and DFT studies of ethyl Nâ€²-3-(1H-imidazol-1-yl) propylcarbamoyl benzohydrazonate monohydrate. Structural Chemistry, 2009, 20, 409-416.	2.0	15

#	Article	IF	Citations
73	5-Benzyl-4-[3-(1H-imidazol-1-yl)propyl]- 2H-1,2,4-triazol-3(4H)-ones: Synthesis, spectroscopic characterization, crystal structure and a comparison of theoretical and experimental IR results by DFT calculations. Journal of Molecular Structure, 2009, 936, 46-55.	3.6	20
74	2-[(2,4-Dimethylphenyl)iminomethyl]-3,5-dimethoxyphenol. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1572-o1572.	0.2	5
75	2-[(2,4-Dimethylphenyl)iminomethyl]-6-methylphenol. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2291-o2291.	0.2	17
76	4-(2,3-Dihydroxybenzylideneamino)-3-methyl-1H-1,2,4-triazol-5(4H)-one. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o3039-o3039.	0.2	12
77	Crystal Structure of N-2-Methoxyphenyl-2-oxo-5-nitro-1-benzylidene-methylamine. Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X237-X238.	0.1	6