Hasan Karabiyik

List of Publications by Year
in descending order

42	514	759233 12	677142 22
papers	citations	h-index	g-index

42	42	42	657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal structure, optical properties, spectroscopic characterization and density functional theory studies of a new rhodium(i)-imidazolidin-2-ylidene complexes: Synthesis, characterization and cytotoxic properties. Inorganica Chimica Acta, 2022, 537, 120936.	2.4	3
2	Enhanced Ï€-back-donation resulting in thetranslabilization of a pyridine ligand in an N-heterocyclic carbene (NHC) Pd^{II}precatalyst: a case study. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 941-950.	0.5	13
3	Excited state aromatization assisted push-pull abilities of two unsaturated oxazolone derivatives. Journal of Saudi Chemical Society, 2018, 22, 519-526.	5.2	3
4	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, Î±-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. Journal of Molecular Structure, 2018, 1155, 797-806.	3.6	121
5	Enantioselective synthesis of new chiral 2-aziridinyl phosphonates and studies of their biological activities. Tetrahedron: Asymmetry, 2017, 28, 324-329.	1.8	6
6	Geometry dependence of electron donating or accepting abilities of amine groups in 4,4â€²-disulfanediylbis(methylene)dithiazol-2-amine: Pyramidal versus planar. Journal of Molecular Structure, 2017, 1141, 650-659.	3.6	3
7	Effects of pnictogen and chalcogen bonds on the aromaticities of carbazole-like and dibenzofuran-like molecular skeletons: Cambridge Crystallographic Data Centre (CCDC) Study. Journal of Physical Organic Chemistry, 2015, 28, 490-496.	1.9	9
8	Supramolecular aromaticity. Journal of Molecular Structure, 2014, 1064, 135-149.	3.6	12
9	Ï€-Cooperativity effect on the base stacking interactions in DNA: is there a novel stabilization factor coupled with base pairing H-bonds?. Physical Chemistry Chemical Physics, 2014, 16, 15527.	2.8	19
10	Supramolecular chirality-sensing DNA-mimicry of a norbornane derivative decorated with isoxazoline and methylpyrolidine-2,5-dione ring. Journal of Molecular Structure, 2013, 1041, 164-174.	3.6	3
11	Tuning Photoinduced Intramolecular Electron Transfer by Electron Accepting and Donating Substituents in Oxazolones. Journal of Fluorescence, 2013, 23, 733-744.	2.5	8
12	Changes in ligating abilities of the singlet and triplet states of normal, abnormal and remote N-heterocyclic carbenes depending on their aromaticities. Journal of Molecular Modeling, 2013, 19, 5327-5341.	1.8	6
13	Hydrogen-bridged chelate ring-assisted Ï€-stacking interactions. Acta Crystallographica Section B: Structural Science, 2012, 68, 71-79.	1.8	24
14	Anchor Effect on Pedal Motion Observed in Crystal Phase of an Azobenzene Derivative. Journal of Chemical Crystallography, 2011, 41, 1642-1648.	1.1	0
15	Aromaticity balance, Ï€-electron cooperativity and H-bonding properties in tautomerism of salicylideneaniline: the quantum theory of atoms in molecules (QTAIM) approach. Journal of Molecular Modeling, 2011, 17, 1295-1309.	1.8	28
16	Ligand-to-Metal Charge Transfer Resulting in Metalloaromaticity of [R,R-Cyclohexyl-1,2-bis(2-Oxidonaphthylideneiminato-N,Nâ€²,O,Oâ€²)]Cu(II): A Scrutinized Structural Investigation. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 142-151.	3.7	17
17	Mesomeric effect on the structural and electronic properties of 4-(2-tert-butyl-4-methylphenoxy)phthalonitrile. Structural Chemistry, 2010, 21, 1273-1281.	2.0	10
18	Crystallographic and conformational analysis of two novel trans-azo benzene compounds. Structural Chemistry, 2009, 20, 903-910.	2.0	8

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19	Structural and aromatic aspects for tautomerism of (Z)-6-((4-bromophenylamino)methylene)-2,3-dihydroxycyclohexa-2,4-dienone. Structural Chemistry, 2009, 20, 1055-1065.	2.0	20
20	Supramolecular Architecture in the 1:1 Co-Crystallization of 6,7-Dimethoxy-2-methyl-4-phenylisoquinolinium Cation with Perchlorate Anion. Journal of Chemical Crystallography, 2009, 39, 279-284.	1.1	1
21	Crystallographic and conformational analysis of (E)-2-isopropyl-4-(p-tolyldiazenyl)phenol. Structural Chemistry, 2008, 19, 565-570.	2.0	5
22	Co(II) and Cu(II) Schiff base complexes of bis(N-(4-diethylamino-2-methylphenyl)-3,5-di-tert-butylsalicylaldimine): Electrochemical and X-ray structural study. Structural Chemistry, 2008, 19, 749-755.	2.0	32
23	Desynchronization of Pedal Motion: Crystallographic and Theoretical Study of (E)-4-[(4-ethylphenyl)diazenyl]-2-methylphenol. Journal of Chemical Crystallography, 2008, 38, 671-677.	1.1	4
24	N-Methyl-N-phenylaminomethyl 2-naphthyl ketone: an X-ray diffraction and density functional theory study. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o155-o158.	0.4	1
25	An intermediate structure trapped in solid-state tautomerization process of (E)-4-[(4-chlorophenylimino)methyl]benzene-1,2,3-triol. Journal of Molecular Structure, 2008, 873, 130-136.	3.6	44
26	The 1:1 co-crystallization of enantiomers of an arene-tethered and ortho-metallated N-heterocyclic carbene ruthenium(II) half-sandwich complex: Synthesis, structural characterization and theoretical study. Solid State Sciences, 2008, 10, 104-113.	3.2	7
27	Synthesis and structural characterization of two novel N -heterocyclic carbene complexes of Rh(I). Journal of Coordination Chemistry, 2007, 60, 393-399.	2.2	6
28	1-((E)-{(1R,2R)-2-[(E)-(2-Hydroxy-1-naphthyl)methyleneamino]cyclohexyl}iminiomethyl)naphthalen-2-olate: a Schiff base compound having both OH and NH character. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o215-o218.	0.4	17
29	A practical scheme for ab initio determination of a crystal structure based on the Dirac equation. Theoretical Chemistry Accounts, 2007, 118, 785-790.	1.4	2
30	Conformational analysis and crystal structure of (E)-3-methyl-4-(p-tolyldiazenyl)phenol. Structural Chemistry, 2007, 18, 87-93.	2.0	10
31	Structural characterization of N,Nâ€²-bis(2-methoxyethyl) -4,5-bis(2,4,6-trimethylphenyl)imidazolinium hexafluorophosphate. Structural Chemistry, 2007, 18, 1011-1016.	2.0	2
32	The synthesis, electrochemical properties and structural characterization of bis () Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Coordination Chemistry, 2006, 59, 1649-1656.	2.2	18
33	PM3 semiempirical study and its comparison with X-ray crystal structure of 2-methyl-4-(4-methoxyphenylazo)phenol. Structural Chemistry, 2006, 17, 393-399.	2.0	12
34	Supramolecular architecture of phenylcarbamoylated acetone oxime 1,1-diisopropyl-3-phenylurea] complex. Structural Chemistry, 2006, 17, 431-438.	2.0	4
35	Crystallographic and conformational analysis of 1,3-bis(2,4-dimethoxyphenyl)imidazolidine-2-thione. Journal of Chemical Crystallography, 2006, 36, 243-248.	1.1	2
36	PM3 semiempirical study and its comparison with X-ray crystal structure of 4-[2-Methyl-4-(4-methoxyphenylazo)] phenoxyphtalonitrile. Journal of Chemical Crystallography, 2006, 36, 709-714.	1.1	6

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37	Synthesis and structural characterization of (1,3-bis(methoxyethyl)-4,5-bis(2,4,6-trimethylphenyl)-imidazolidin-2-ylidene)chloro(1,5-cyclooctadiene)rhodium(I). Journal of Coordination Chemistry, 2006, 59, 343-350.	2.2	7
38	Crystallographic and conformational analysis of 2-methyl-3-(2-nitro-phenyl)-4-phenyl-[1,2,4]oxadiazolidin-5-one. Journal of Chemical Crystallography, 2005, 35, 577-582.	1.1	1
39	Generalized formulation of quantum and classical crystallography using Green's functions. International Journal of Quantum Chemistry, 2005, 103, 781-791.	2.0	1
40	The Synthesis, Structural Characterization and Conformational Analysis of (1,3-Bis(2-methyl-4-diethylaminophenyl)imidazolidin- 2-ylidene)chloro(1,5-cyclooctadiene)rhodium(I). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 837-842.	0.7	14
41	Conformational and Structural Analysis of 6â€(4â€Methoxyâ€phenyl)â€1,5,7aâ€triphenylâ€tetrahydroâ€imidazo[1,5â€b][1,2,4]oxadiazolâ€2â€one. Spectroscopy Letters, 2004, 37, 553-564.	1.0	1
42	A theoretical study on tautomerism and tautomers of N-confused porphyrins. Computational and Theoretical Chemistry, 2004, 673, 191-197.	1.5	4