

# Hasan Karabiyik

## List of Publications by Year in descending order

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42  
papers

514  
citations

759233

12  
h-index

677142

22  
g-index

42  
all docs

42  
docs citations

42  
times ranked

657  
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, $\beta$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , 2018, 1155, 797-806.	3.6	121
2	An intermediate structure trapped in solid-state tautomerization process of (E)-4-[(4-chlorophenylimino)methyl]benzene-1,2,3-triol. <i>Journal of Molecular Structure</i> , 2008, 873, 130-136.	3.6	44
3	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. <i>Structural Chemistry</i> , 2008, 19, 749-755.	2.0	32
4	Aromaticity balance, $\pi$ -electron cooperativity and H-bonding properties in tautomerism of salicylideneaniline: the quantum theory of atoms in molecules (QTAIM) approach. <i>Journal of Molecular Modeling</i> , 2011, 17, 1295-1309.	1.8	28
5	Hydrogen-bridged chelate ring-assisted $\pi$ -stacking interactions. <i>Acta Crystallographica Section B: Structural Science</i> , 2012, 68, 71-79.	1.8	24
6	Structural and aromatic aspects for tautomerism of (Z)-6-((4-bromophenylamino)methylene)-2,3-dihydroxycyclohexa-2,4-dienone. <i>Structural Chemistry</i> , 2009, 20, 1055-1065.	2.0	20
7	$\pi$ -Cooperativity effect on the base stacking interactions in DNA: is there a novel stabilization factor coupled with base pairing H-bonds?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15527.	2.8	19
8	The synthesis, electrochemical properties and structural characterization of <i>trans</i> -bis(2-ethyl-2-oxo-1,2-dihydroquinoline-3-ylidene)ethane. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1649-1656.	2.2	18
9	1-((E)-{(1R,2R)-2-[(E)-(2-Hydroxy-1-naphthyl)methyleneamino]cyclohexyl}imino)methyl)naphthalen-2-olate: a Schiff base compound having both OH and NH character. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o215-o218.	0.4	17
10	Ligand-to-Metal Charge Transfer Resulting in Metalloaromaticity of [R,R-Cyclohexyl-1,2-bis(2-Oxidonaphthylideneiminato-N,N $\epsilon^2$ ,O,O $\epsilon^2$ )]Cu(II): A Scrutinized Structural Investigation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010, 20, 142-151.	3.7	17
11	The Synthesis, Structural Characterization and Conformational Analysis of (1,3-Bis(2-methyl-4-diethylaminophenyl)imidazolidin-2-ylidene)chloro(1,5-cyclooctadiene)rhodium(I). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 837-842.	0.7	14
12	Enhanced $\pi$ -back-donation resulting in the <i>trans</i> labilization of a pyridine ligand in an N-heterocyclic carbene (NHC) Pd <sup>II</sup> pre-catalyst: a case study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 941-950.	0.5	13
13	PM3 semiempirical study and its comparison with X-ray crystal structure of 2-methyl-4-(4-methoxyphenylazo)phenol. <i>Structural Chemistry</i> , 2006, 17, 393-399.	2.0	12
14	Supramolecular aromaticity. <i>Journal of Molecular Structure</i> , 2014, 1064, 135-149.	3.6	12
15	Conformational analysis and crystal structure of (E)-3-methyl-4-(p-tolyldiazenyl)phenol. <i>Structural Chemistry</i> , 2007, 18, 87-93.	2.0	10
16	Mesomeric effect on the structural and electronic properties of 4-(2-tert-butyl-4-methylphenoxy)phthalonitrile. <i>Structural Chemistry</i> , 2010, 21, 1273-1281.	2.0	10
17	Effects of pnictogen and chalcogen bonds on the aromaticities of carbazole-like and dibenzofuran-like molecular skeletons: Cambridge Crystallographic Data Centre (CCDC) Study. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 490-496.	1.9	9
18	Crystallographic and conformational analysis of two novel <i>trans</i> -azo benzene compounds. <i>Structural Chemistry</i> , 2009, 20, 903-910.	2.0	8

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19	Tuning Photoinduced Intramolecular Electron Transfer by Electron Accepting and Donating Substituents in Oxazolones. <i>Journal of Fluorescence</i> , 2013, 23, 733-744.	2.5	8
20	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). <i>Journal of Coordination Chemistry</i> , 2006, 59, 343-350.	2.2	7
21	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. <i>Solid State Sciences</i> , 2008, 10, 104-113.	3.2	7
22	PM3 semiempirical study and its comparison with X-ray crystal structure of 4-[2-Methyl-4-(4-methoxyphenylazo)] phenoxyphthalonitrile. <i>Journal of Chemical Crystallography</i> , 2006, 36, 709-714.	1.1	6
23	Synthesis and structural characterization of two novel N-heterocyclic carbene complexes of Rh(I). <i>Journal of Coordination Chemistry</i> , 2007, 60, 393-399.	2.2	6
24	Changes in ligating abilities of the singlet and triplet states of normal, abnormal and remote N-heterocyclic carbenes depending on their aromaticities. <i>Journal of Molecular Modeling</i> , 2013, 19, 5327-5341.	1.8	6
25	Enantioselective synthesis of new chiral 2-aziridinyl phosphonates and studies of their biological activities. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 324-329.	1.8	6
26	Crystallographic and conformational analysis of (E)-2-isopropyl-4-(p-tolyldiazenyl)phenol. <i>Structural Chemistry</i> , 2008, 19, 565-570.	2.0	5
27	A theoretical study on tautomerism and tautomers of N-confused porphyrins. <i>Computational and Theoretical Chemistry</i> , 2004, 673, 191-197.	1.5	4
28	Supramolecular architecture of phenylcarbamoylated acetone oxime 1,1-diisopropyl-3-phenylurea] complex. <i>Structural Chemistry</i> , 2006, 17, 431-438.	2.0	4
29	Desynchronization of Pedal Motion: Crystallographic and Theoretical Study of (E)-4-[(4-ethylphenyl)diazenyl]-2-methylphenol. <i>Journal of Chemical Crystallography</i> , 2008, 38, 671-677.	1.1	4
30	Supramolecular chirality-sensing DNA-mimicry of a norbornane derivative decorated with isoxazoline and methylpyrrolidine-2,5-dione ring. <i>Journal of Molecular Structure</i> , 2013, 1041, 164-174.	3.6	3
31	Geometry dependence of electron donating or accepting abilities of amine groups in 4,4'-disulfanediylbis(methylene)dithiazol-2-amine: Pyramidal versus planar. <i>Journal of Molecular Structure</i> , 2017, 1141, 650-659.	3.6	3
32	Excited state aromatization assisted push-pull abilities of two unsaturated oxazolone derivatives. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 519-526.	5.2	3
33	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. <i>Inorganica Chimica Acta</i> , 2022, 537, 120936.	2.4	3
34	Crystallographic and conformational analysis of 1,3-bis(2,4-dimethoxyphenyl)imidazolidine-2-thione. <i>Journal of Chemical Crystallography</i> , 2006, 36, 243-248.	1.1	2
35	A practical scheme for ab initio determination of a crystal structure based on the Dirac equation. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 785-790.	1.4	2
36	Structural characterization of N,N'-bis(2-methoxyethyl)-4,5-bis(2,4,6-trimethylphenyl)imidazolinium hexafluorophosphate. <i>Structural Chemistry</i> , 2007, 18, 1011-1016.	2.0	2

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37	Conformational and Structural Analysis of 6-(4-Methoxyphenyl)-1,5-triphenyl-tetrahydroimidazo[1,5-b][1,2,4]oxadiazole-2-one. <i>Spectroscopy Letters</i> , 2004, 37, 553-564.		
38	Crystallographic and conformational analysis of 2-methyl-3-(2-nitro-phenyl)-4-phenyl-[1,2,4]oxadiazolidin-5-one. <i>Journal of Chemical Crystallography</i> , 2005, 35, 577-582.	1.1	1
39	Generalized formulation of quantum and classical crystallography using Green's functions. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 781-791.	2.0	1
40	N-Methyl-N-phenylaminomethyl 2-naphthyl ketone: an X-ray diffraction and density functional theory study. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o155-o158.	0.4	1
41	Supramolecular Architecture in the 1:1 Co-Crystallization of 6,7-Dimethoxy-2-methyl-4-phenylisoquinolinium Cation with Perchlorate Anion. <i>Journal of Chemical Crystallography</i> , 2009, 39, 279-284.	1.1	1
42	Anchor Effect on Pedal Motion Observed in Crystal Phase of an Azobenzene Derivative. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1642-1648.	1.1	0