

# Hazem A. Ghabbour

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

348  
papers

2,557  
citations

28  
h-index

37  
g-index

366  
ext. papers

3,039  
ext. citations

1.9  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
348	Synthesis, crystal structure, spectroscopic characterization, $\alpha$ -glucosidase inhibition and computational studies of (E)-5-methyl-N <sup>2</sup> -(pyridin-2-ylmethylene)-1H-pyrazole-3-carbohydrazide. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1248, 131506	3.4	5
347	Synthesis Characterization and X-ray Structure of 2-(2,6-Dichlorophenylamino)-2-imidazoline Tetraphenylborate: Computational Study. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3568	2.6	1
346	Synthesis, X-ray crystal structure, Hirshfeld analysis and computational investigation of bis(methylthio)acrylonitrile with antimicrobial and docking evaluation. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1260, 132793	3.4	1
345	The Crystal Structure of 2-Amino-4-(2,3-Dichlorophenyl)-6-Methoxy-4H-Benzo[h]chromene-3-Carbonitrile: Antitumor and Tyrosine Kinase Receptor Inhibition Mechanism Studies. <i>Crystals</i> , <b>2022</b> , 12, 737	2.3	1
344	Synthesis and X-ray crystal structure of unexpected novel thiazolidinone/1,3,4-thiadiazole heterocycle via S-alkylation and Smiles rearrangement dual approaches. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1234, 130156	3.4	
343	Synthesis, Hirshfeld Surface Analysis and DFT Studies of Ethano-tetracyclic Tetracene Derivatives. <i>Journal of Chemical Crystallography</i> , <b>2021</b> , 51, 196-204	0.5	1
342	Design, synthesis, X-ray analysis, and biological screening of new oxime and enamionone thiazoline-2-thione derivatives. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1223, 128977	3.4	6
341	Synthesis, Cytotoxic Activity, Crystal Structure, DFT Studies and Molecular Docking of 3-Amino-1-(2,5-dichlorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. <i>Crystals</i> , <b>2021</b> , 11, 184	2.3	17
340	DFT Calculation, Hirshfeld Analysis and X-ray Crystal Structure of Some Synthesized N-alkylated(S-alkylated)-[1,2,4]triazolo[1,5-a]quinazolines. <i>Crystals</i> , <b>2021</b> , 11, 1195	2.3	2
339	Synthesis, crystal structure, DFT, $\alpha$ -glucosidase and $\alpha$ -amylase inhibition and molecular docking studies of (E)-N'-(4-chlorobenzylidene)-5-phenyl-1H-pyrazole-3-carbohydrazide. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131067	3.4	9
338	Synthesis, X-Ray Structural Analysis and Computational Studies of a Novel Bis(2-Thienyl)Disulfide Derivative. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 1-9	1.3	1
337	Unexpected Synthesis, Single-Crystal X-ray Structure, Anticancer Activity, and Molecular Docking Studies of Certain 2-((Imidazole/Benzimidazolyl)thio)thiopyrrolidones. <i>Crystals</i> , <b>2020</b> , 10, 446	2.3	5
336	Expedition Green Synthesis of Novel 4-Methyl-1,2,5,6-tetraazafluoranthren-3(2)-one Analogue from Ninhydrin: N/S-Alkylation and Aza-Michael Addition. <i>ACS Omega</i> , <b>2020</b> , 5, 5436-5442	3.9	6
335	Synthesis, crystal structure, hirshfeld surface analysis, DFT calculations, anti-diabetic activity and molecular docking studies of (E)-N <sup>2</sup> -(5-bromo-2-hydroxybenzylidene) isonicotinohydrazide. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1221, 128800	3.4	24
334	Synthesis and crystal structure of 3-(adamantan-1-yl)-4-(2-bromo-4-fluoro-phen-yl)-1,2,4-triazole-5(4)-thione. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2020</b> , 76, 162-166	0.7	2
333	Crystal structure of (E)-N <sup>2</sup> -((4-aminophenyl)sulfonyl)-N,N-dimethylformimidamide, C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2020</b> , 235, 483-484	0.2	
332	Crystal structure of 6-iodo-3-phenyl-2-propylquinazolin-4(3H)-one, C <sub>17</sub> H <sub>15</sub> N <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2020</b> , 235, 489-491	0.2	

331	Crystal structure of 1-(adamantan-1-yl)-3-aminothiourea, C <sub>11</sub> H <sub>19</sub> N <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2020</b> , 235, 1115-1117	0.2	
330	Synthesis, X-ray analysis and computational studies of two novel thiophene derivatives. <i>Journal of Sulfur Chemistry</i> , <b>2020</b> , 41, 517-529	2.3	4
329	Synthesis, computational studies and biological activity of oxamohydrazide derivatives bearing isatin and ferrocene scaffolds. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1202, 127372	3.4	2
328	Synthesis of spiroindolone analogue via three components reaction of olefin with isatin and sarcosine: Anti-proliferative activity and computational studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1204, 127500	3.4	6
327	Synthesis of N-(Anthracen-9-ylmethyl)-N-methyl-2-(phenylsulfonyl)ethanamine via Microwave Green Synthesis Method: X-ray Characterization, DFT and Hirshfeld Analysis. <i>Crystals</i> , <b>2020</b> , 10, 643	2.3	3
326	Insights into the weak Csp <sup>3</sup> H⋯HCsp <sup>3</sup> mediated supramolecular architecture in ethyl 2-(5-bromopentanamido)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylate, a probable selective COX-2 lead molecule: An integrated crystallographic and theoretical approach. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1189, 127016	3.4	5
325	Synthesis and biological screening of a novel enaminone-grafted trithiocarbonate: a potential anticancer and antimicrobial agent. <i>Medicinal Chemistry Research</i> , <b>2020</b> , 29, 954-961	2.2	2
324	Synthesis of Oxindole Analogues, Biological Activity, and In Silico Studies. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10510-10516	10.8	16
323	Design and synthesis of new substituted spirooxindoles as potential inhibitors of the MDM2-p53 interaction. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 598-608	5.1	28
322	Synthesis, Single Crystal X-ray Structure, DFT Computations, Hirshfeld Surface Analysis and Molecular Docking Simulations on (([(1E)-1-(1,3-Benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propylidene]amino}oxy)(furan-2-yl)methanone: A New Antifungal Agent. <i>Crystals</i> , <b>2019</b> , 9, 25	2.3	4
321	Efficient and easy synthesis of new Benzo[h]chromene and Benzo[h]quinoline derivatives as a new class of cytotoxic agents. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1195, 702-711	3.4	15
320	Synthesis, structure elucidation, and antifungal potential of certain new benzodioxole-imidazole molecular hybrids bearing ester functionalities. <i>Drug Design, Development and Therapy</i> , <b>2019</b> , 13, 775-789	4.4	1
319	Synthesis, X-Ray Crystal Structures, and Preliminary Antiproliferative Activities of New s-Triazine-hydroxybenzylidene Hydrazone Derivatives. <i>Journal of Chemistry</i> , <b>2019</b> , 2019, 1-10	2.3	11
318	Synthesis and characterization of a spiroindolone pyrothiazole analog via X-ray, biological, and computational studies. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1186, 384-392	3.4	8
317	Investigation of potential anti-malarial lead candidate 2-(4-fluorobenzylthio)-5-(5-bromothiophen-2-yl)-1,3,4-oxadiazole: Insights from crystal structure, DFT, QTAIM and hybrid QM/MM binding energy analysis. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 230-240	3.4	13
316	A new barbituric acid derivatives as reactive oxygen scavenger: Experimental and theoretical investigations. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 524-535	3.4	5
315	The novel economical synthesis and antimicrobial activity of a trithiocarbonate derivative. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103157	5.1	2
314	Syntheses and X-ray crystal structures combined with conformational and Hirshfeld analyses of chalcones based on a cyclohexanone scaffold. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1198, 126873	3.4	2

313	Crystal structure of 3,5-bis(trifluoromethyl)benzyl (Z)-N <sup>?</sup> -(adamantan-1-yl)-4-phenylpiperazine-1-carbothioimidate, C <sub>30</sub> H <sub>33</sub> F <sub>6</sub> N <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2019</b> , 234, 1009-1012	0.2	1
312	Anticancer Indole-Based Chalcones: A Structural and Theoretical Analysis. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
311	Synthesis and Inhibitory Effect of Some Indole-Pyrimidine Based Hybrid Heterocycles on $\alpha$ -Glucosidase and $\alpha$ -Amylase as Potential Hypoglycemic Agents. <i>ChemistryOpen</i> , <b>2019</b> , 8, 1288-1297	2.3	5
310	Vibrational spectral analysis, XRD-structure, computation, exo $\rightleftharpoons$ endo isomerization and non-linear optical crystal of 5-((5-chloro-1-indol-2-yl)methylene)-1,3-diethyl-2-thioxodihydro-4,6(1,5)-dione. <i>BMC Chemistry</i> , <b>2019</b> , 13, 11	3.7	2
309	Synthesis and Molecular Docking of New Thiophene Derivatives as Lactate Dehydrogenase-A Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2019</b> , 19, 833-841	3.2	2
308	(2E)-2-[1-(1,3-Benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propylidene]-N-(2-chlorophenyl)hydrazine carboxamide: Synthesis, X-ray Structure, Hirshfeld Surface Analysis, DFT Calculations, Molecular Docking and Antifungal Profile. <i>Crystals</i> , <b>2019</b> , 9, 82	2.3	0
307	Effect of hydroxylated solvents on the active constituents of <i>Salvadora persica</i> root "Siwak". <i>Saudi Pharmaceutical Journal</i> , <b>2019</b> , 27, 220-224	4.4	4
306	A Simple, Efficient, and Eco-Friendly Method for the Preparation of 3-Substituted-2,3-dihydroquinazolin-4(1)-one Derivatives. <i>Molecules</i> , <b>2019</b> , 24,	4.8	2
305	Crystal structure of 4-bromobenzyl (Z)-N-(adamantan-1-yl)morpholine-4-carbothioimidate, C <sub>22</sub> H <sub>29</sub> BrN <sub>2</sub> OS. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2019</b> , 234, 1001-1003	0.2	3
304	Synthesis and Anti-Proliferative Assessment of Triazolo-Thiadiazepine and Triazolo-Thiadiazine Scaffolds. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
303	SLC-0111 enaminone analogs, 3/4-(3-aryl-3-oxopropenyl) aminobenzenesulfonamides, as novel selective subnanomolar inhibitors of the tumor-associated carbonic anhydrase isoform IX. <i>Bioorganic Chemistry</i> , <b>2019</b> , 83, 549-558	5.1	40
302	Synthesis and Spectroscopic Identification of Certain Imidazole-Semicarbazone Conjugates Bearing Benzodioxole Moieties: New Antifungal Agents. <i>Molecules</i> , <b>2019</b> , 24,	4.8	2
301	Spectroscopic identification, structural features, Hirshfeld surface analysis and molecular docking studies on stiripentol: An orphan antiepileptic drug. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1180, 110-118	3.4	5
300	Substituted spirooxindole derivatives as potent anticancer agents through inhibition of phosphodiesterase 1.. <i>RSC Advances</i> , <b>2018</b> , 8, 14335-14346	3.7	37
299	(2 E )-2-[1-(1,3-Benzodioxol-5-yl)-3-(1 H -imidazol-1-yl)propylidene]- N -(4-methoxyphenyl)hydrazinecarboxamide: Synthesis, crystal structure, vibrational analysis, DFT computations, molecular docking and antifungal activity. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1166, 121-130	3.4	9
298	Theoretical investigations of two adamantane derivatives: A combined X-ray, DFT, QTAIM analysis and molecular docking. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1159, 233-245	3.4	19
297	Development of novel synthesized phthalazinone-based PARP-1 inhibitors with apoptosis inducing mechanism in lung cancer. <i>Bioorganic Chemistry</i> , <b>2018</b> , 77, 443-456	5.1	41
296	One-pot three-component synthesis of novel spirooxindoles with potential cytotoxic activity against triple-negative breast cancer MDA-MB-231 cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2018</b> , 33, 309-318	5.6	42

295	Quantum chemical insight into the molecular structure of L-chemosensor 1,3-dimethyl-5-(thien-2-ylmethylene)-pyrimidine-2,4,6-(1H,3H,5H)-trione: Naked-eye colorimetric detection of copper(II) anions. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2018</b> , 17, 1850005	1.8	11
294	New hybrid of the barbituric acid motif: synthesis, X-ray single crystal, DFT, and Hirshfeld surface analyses. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 4213-4225	2.8	2
293	Novel [(3-indolylmethylene)hydrazono]indolin-2-ones as apoptotic anti-proliferative agents: design, synthesis and in vitro biological evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2018</b> , 33, 686-700	5.6	47
292	Stereoselective green synthesis and molecular structures of highly functionalized spirooxindole-pyrrolidine hybrids [A combined experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1152, 266-275	3.4	12
291	Stereoselective synthesis of novel thioglycosyl heterocycles. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1152, 87-95	3.4	4
290	New spiro-oxindole constructed with pyrrolidine/thioxothiazolidin-4-one derivatives: Regioselective synthesis, X-ray crystal structures, Hirshfeld surface analysis, DFT, docking and antimicrobial studies. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1152, 101-114	3.4	29
289	Amberboin and lipidiol: X-ray crystallographic data, absolute configuration and inhibition of cholinesterase. <i>Phytochemistry Letters</i> , <b>2018</b> , 27, 44-48	1.9	2
288	Beta- and gamma-cyclodextrin ionophores as electroactive materials for construction of new polyvinyl chloride sensors for eletriptan based on host-guest recognition. <i>Materials Express</i> , <b>2018</b> , 8, 182-188	1.3	3
287	Synthesis, Crystal Structure and DFT Studies of a New Dinuclear Ag(I)-Malonamide Complex. <i>Molecules</i> , <b>2018</b> , 23,	4.8	4
286	A One-Pot Biginelli Synthesis and Characterization of Novel Dihydropyrimidinone Derivatives Containing Piperazine/Morpholine Moiety. <i>Molecules</i> , <b>2018</b> , 23,	4.8	10
285	Novel series of 6-(2-substitutedacetamido)-4-anilinoquinazolines as EGFR-ERK signal transduction inhibitors in MCF-7 breast cancer cells. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 155, 782-796	6.8	26
284	Stereoselective synthesis, X-ray analysis, computational studies and biological evaluation of new thiazole derivatives as potential anticancer agents. <i>Chemistry Central Journal</i> , <b>2018</b> , 12, 56		5
283	Synthesis, Characterization, and Antibacterial and Anti-Inflammatory Activities of New Pyrimidine and Thiophene Derivatives. <i>Journal of Chemistry</i> , <b>2018</b> , 2018, 1-11	2.3	4
282	New bioactive chlorinated cyclopentene derivatives from the marine-derived Fungus <i>Phoma</i> sp. <i>Medicinal Chemistry Research</i> , <b>2018</b> , 27, 1885-1892	2.2	8
281	Crystal Structure and Spectral Studies of 3-Amino-9-Methoxy-1-(4-methoxyphenyl)-1H-Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2018</b> , 15, 1835-1838	0.3	1
280	Synthesis, crystal structure, vibrational profiling, DFT studies and molecular docking of N-(4-chloro-2-[[2-(1H-indol-2-ylcarbonyl) hydrazinyl](oxo)acetyl]phenyl)acetamide.DMSO: A new antiproliferative agent. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1155, 457-468	3.4	8
279	Crystal structure of 3,5-bis(trifluoromethyl)benzyl(Z)-N-(adamantan-1-yl)morpholine-4-carbothioimidate, C24H28F6N2OS. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2018</b> , 233, 607-609	0.2	3
278	One-pot synthesis of spiro(indoline-3,4'-pyrazolo[3,4-b]pyridine)-5'-carbonitriles as p53-MDM2 interaction inhibitors. <i>Future Medicinal Chemistry</i> , <b>2018</b> , 10, 2771-2789	4.1	12

277	Crystal structure of (E)-3-(3-(5-methyl-1-(4-tolyl-1H-1,2,3-triazol-4-yl)-1-phenyl-1H-pyrazol-4-yl)-1-(5-methyl-1-phenyl-1H-1,2,3-triazol-4-yl)propyl)propan-1-one, C <sub>31</sub> H <sub>26</sub> N <sub>8</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2018</b> , 233, 647-648		
276	Bioactive isoquinoline alkaloids from <i>Glaucium arabicum</i> . <i>Phytochemistry Letters</i> , <b>2018</b> , 28, 139-144	1.9	3
275	Novel 1D coordination polymers built from acyclic cryptate containing bis(1H-1,2,4-triazole) ligands and featuring coordinated counteranions. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11324-11333	3.6	4
274	Cu(II) and Mn(II) coordination complexes constructed by C linked bispyrazoles: Effect of anions and hydrogen bonding on the self assembly process. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 411-419	2.7	7
273	Solvent-Free Ring Cleavage Hydrazinolysis of Certain Biginelli Pyrimidines. <i>Journal of Chemistry</i> , <b>2018</b> , 2018, 1-6	2.3	
272	Stereoselective synthesis of diazaspiro[5.5]undecane derivatives via base promoted [5+1] double Michael addition of N,N-dimethylbarbituric acid to diaryliedene acetones. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, 1-9	5.9	10
271	Crystal structure of 1,1'-(3,4-diphenylthieno[2,3-b]thiophene-2,5-diyl)bis[1-phenyl-methanone], C <sub>32</sub> H <sub>20</sub> O <sub>2</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 167-169	0.2	1
270	Novel indolin-2-one-based sulfonamides as carbonic anhydrase inhibitors: Synthesis, in vitro biological evaluation against carbonic anhydrases isoforms I, II, IV and VII and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 127, 521-530	6.8	44
269	Synthesis of bulky-tailed sulfonamides incorporating pyrido[2,3-d][1,2,4]triazolo[4,3-a]pyrimidin-1(5H)-yl moieties and evaluation of their carbonic anhydrases I, II, IV and IX inhibitory effects. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 2210-2217	3.4	30
268	Crystal Structure of 4-(2-chloroacetamido)pyridinium chloride monohydrate, C <sub>7</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 91-92	0.2	
267	Intermolecular interactions in crystal structure, Hirshfeld surface, characterization, DFT and thermal analysis of 5-((5-bromo-1H-indol-3-yl)methylene)-1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione indole. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1137, 354-361	3.4	12
266	Synthesis and in vitro anti-proliferative activity of some novel isatins conjugated with quinazoline/phthalazine hydrazines against triple-negative breast cancer MDA-MB-231 cells as apoptosis-inducing agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 600-613	5.6	59
265	A highly distorted hexacoordinated silver(I) complex: synthesis, crystal structure, and DFT studies. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 1339-1356	1.6	6
264	Crystal structure of N'-(2-phenylacetyl)thiophene-2-carbohydrazide monohydrate, C <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 69-71	0.2	1
263	Synthesis and crystal structure of 2-((5-chlorobenzo[c][1,2,5]thiadiazol-4-yl)amino)-4,5-dihydro-1H-imidazol-3-ium tetraphenylborate, C <sub>33</sub> H <sub>29</sub> BClN <sub>5</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 421-422	0.2	
262	Crystal structure of 3-amino-8-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C <sub>21</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 497-499	0.2	1
261	Synthesis and anticancer activity of new quinazoline derivatives. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 1047-1054	4.4	37
260	Crystal structure of 1-(2H-1,3-benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propan-1-one, C <sub>13</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 437-439	0.2	1

259	Novel pyrazolyl-s-triazine derivatives, molecular structure and antimicrobial activity. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1145, 244-253	3.4	37
258	Neoclerodane Diterpenoids from Reehal Fatima, Teucrium yemense. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 1900-1908	4.9	13
257	Crystal structure of 3-amino-8-methoxy-1-(4-methoxy phenyl)-1H-benzo[f]chromene-2-carbonitrile, C <sub>22</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 567-569	0.2	1
256	Synthesis, characterization, X-ray structure, computational studies, and bioassay of novel compounds combining thiophene and benzimidazole or 1,2,4-triazole moieties. <i>Chemistry Central Journal</i> , <b>2017</b> , 11, 51		8
255	Crystal structure of 2-(4-oxo-2-thioxothiazolidin-3-yl)acetic acid monohydrate, C <sub>5</sub> H <sub>7</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 141-142	0.2	2
254	Crystal structure of (E)-1-(2-(thiophen-2-ylmethylene)hydrazinyl)phthalazine hydrochloride⋅ethanol (1/1), C <sub>15</sub> H <sub>17</sub> ClN <sub>4</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 95-97	0.2	
253	Antimicrobial sesquiterpene lactones from Artemisia sieberi. <i>Journal of Asian Natural Products Research</i> , <b>2017</b> , 19, 1093-1101	1.5	13
252	Spectroscopic (FT-IR, FT-Raman, UV, <sup>1</sup> H and <sup>13</sup> C NMR) profiling and computational studies on methyl 5-methoxy-1H-indole-2-carboxylate: A potential precursor to biologically active molecules. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1133, 199-210	3.4	15
251	Molecular structure and spectroscopic investigations combined with hypoglycemic/anticancer and docking studies of a new barbituric acid derivative. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1134, 99-111	3.4	12
250	Synthesis, molecular structure, spectral analysis, and biological activity of new malonamide derivatives as ␣glucosidase inhibitors. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1134, 253-264	3.4	11
249	Synthesis, in vitro antitumour activity, and molecular docking study of novel 2-substituted mercapto-3-(3,4,5-trimethoxybenzyl)-4(3H)-quinazolinone analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 1229-1239	5.6	19
248	Synthesis, Crystal Structure and DFT Studies of 1,3-Dimethyl-5-propionylpyrimidine-2,4,6(1H,3H,5H)-trione. <i>Crystals</i> , <b>2017</b> , 7, 31	2.3	5
247	Adamantane-Isothiourea Hybrid Derivatives: Synthesis, Characterization, In Vitro Antimicrobial, and In Vivo Hypoglycemic Activities. <i>Molecules</i> , <b>2017</b> , 22,	4.8	31
246	Synthesis, crystallographic characterization, molecular docking and biological activity of isoquinoline derivatives. <i>Chemistry Central Journal</i> , <b>2017</b> , 11, 103		8
245	Crystal structure of 2-[3,5-bis(trifluoromethyl)benzylsulfanyl]-5-(5-bromothiophen-2-yl)-1,3,4-oxadiazole, C <sub>15</sub> H <sub>7</sub> BrF <sub>6</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 131-133	0.2	1
244	Spontaneous ␣Methylation of an ␣Bromoketone from DMF: Synthesis and Crystalline Structure of 1,1'-(3,4-Diphenylthieno[2,3-b]thiophene-2,5-diyl)bis(propan-1-one). <i>Heterocycles</i> , <b>2017</b> , 94, 657	0.8	
243	Synthesis, Characterization and DFT Calculations of 4,5,12- and 1,8,12-trichloro-9,10-dihydro-9,10-ethanoanthracene-12-carbonitriles. <i>Crystals</i> , <b>2017</b> , 7, 259	2.3	3
242	Crystal structure of the co-crystalline adduct 4-((4,4-dimethyl-2,6-dioxocyclohexylidene)methylamino)-N-(4,6-dimethylpyrimidin-2-yl)benzenesulfonamide - acetic acid (1/1), C <sub>21</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub> S <sub>2</sub> ⋅ C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 117-119		

- 241 Crystal structure of 2-(5-(4-fluorophenyl)-3-p-tolyl-4,5-dihydro-1H-pyrazol-1-yl)-4-(5-methyl-1-p-tolyl-1H-1,2,3-triazol-4-yl)thiazole,  $C_{29}H_{25}FN_6S$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 21-23
- 240 Crystal structure of 3-amino-1-(4-bromophenyl)-9-methoxy-1H-benzo[f]chromene-2-carbonitrile,  $C_{21}H_{15}BrN_2O_2$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 561-563 0.2 3
- 239 Synthesis, crystallographic characterization, DFT and TD-DFT studies of Oxyma-sulfonate esters. *Journal of Chemical Sciences*, **2017**, 129, 1469-1481 1.8 3
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- 231 Crystal structure of 4-bromobenzyl (Z)-N-(adamantan-1-yl)-4-phenylpiperazine-1-carbothioimide,  $C_{28}H_{34}BrN_3S$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 189-191 0.2 4
- 230 Crystal structure of N,N-dimethyl-N-(2-methyl-4-oxo-5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidin-3(4H)-yl)formimidamide,  $C_{14}H_{18}N_4OS$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 217-219
- 229 Crystal structure of 1,1,(3,4-dihydroxythieno[2,3-b] thiophene-2,5-diyl)bis(2-bromoethanone),  $C_{10}H_6Br_2O_4S_2$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 255-256 0.2
- 228 Crystal structure of 4-(2-ammonioethyl)morpholin-4-ium dichloride monohydrate,  $C_6H_{18}Cl_2N_2O_2$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 501-502 0.2 1
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- 226 Crystal structure of 2-(4-methyl-3-phenylthiazol-2(3H)-ylidene)malononitrile,  $C_{13}H_9N_3S$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 451-452 0.2
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- 224 Crystal structure of (Z)-Ethyl 2-cyano-2-(3-phenylthiazolidin-2-ylidene) acetate,  $C_{14}H_{14}N_2O_2S$ . *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 41-42 0.2



223	Fluorescence spectroscopic and molecular docking studies of the binding interaction between the new anaplastic lymphoma kinase inhibitor crizotinib and bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 171, 174-182	4.4	46
222	Synthesis, characterization and computational studies of a novel thieno[2,3-b]thiophene derivative. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1130, 62-70	3.4	5
221	Crystal structure of methyl 1H-indole-2-carboxylate, C <sub>10</sub> H <sub>9</sub> NO <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 431-432	0.2	3
220	Crystal structure of (Z)-3-(adamantan-1-yl)-1-(3-chlorophenyl)-S-benzylisothiourea, C <sub>24</sub> H <sub>27</sub> ClN <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 453-456	0.2	2
219	Crystal structure of (16S)-12,16-epoxy-11,14-dihydroxy-17(15/16)-abeo-3a,18-cyclo-8,11,13-abietatrien-7-one, C <sub>20</sub> H <sub>24</sub> O <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 483-484	0.2	1
218	Crystal structure of 2,3-diphenyl-1-(morpholin-4-ylacetyl)-1,3-diazaspiro[4.5]decan-4-one, C <sub>26</sub> H <sub>31</sub> N <sub>3</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 465-467	0.2	
217	Crystal structure of 3-(adamantan-1-yl)-4-(4-fluorophenyl)-1H-1,2,4-triazole-5(4H)-thione, C <sub>18</sub> H <sub>20</sub> FN <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 443-445	0.2	1
216	Crystal structure of 3-(adamantan-1-yl)-1-(4-bromophenyl)urea, C <sub>17</sub> H <sub>21</sub> BrN <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 37-39	0.2	1
215	Synthesis and crystal structure of N,N-dimethylformamide solvate of thiocyanuric acid. <i>Applied Petrochemical Research</i> , <b>2017</b> , 7, 181-186	1.9	1
214	Crystal structure of 2,3-diphenyl-1-[(dipropylamino)acetyl]-1,3-diazaspiro[4.5]decan-4-one, C <sub>28</sub> H <sub>37</sub> N <sub>3</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 433-435	0.2	
213	Crystal structure of 1-methyl-3-[[[(naphthalen-2-ylsulfonyl)oxy]imino]indolin-2-one, C <sub>19</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 55-57	0.2	
212	Antitubercular and Antimicrobial Activity of NH <sub>4</sub> VO <sub>3</sub> Promoted 1,4- Dihydropyridine Incorporated 1,3,4-trisubstituted Pyrazole. <i>Letters in Drug Design and Discovery</i> , <b>2017</b> , 14,	0.8	2
211	New Pyrazole-Hydrazone Derivatives: X-ray Analysis, Molecular Structure Investigation via Density Functional Theory (DFT) and Their High In-Situ Catecholase Activity. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	33
210	Synthesis, X-ray Single Crystal Structure, Molecular Docking and DFT Computations on N-[(1E)-1-(2H-1,3-Benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propylidene]-hydroxylamine: A New Potential Antifungal Agent Precursor. <i>Molecules</i> , <b>2017</b> , 22,	4.8	11
209	Synthesis, Single Crystal X-ray Analysis, and Antifungal Profiling of Certain New Oximino Ethers Bearing Imidazole Nuclei. <i>Molecules</i> , <b>2017</b> , 22,	4.8	2
208	Syntheses and crystal structures of two adamantyl-substituted 1,2,4-triazole-5-thione -Mannich bases. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2017</b> , 73, 1135-1139	0.7	2
207	Spectroscopic Data, Single X-ray and Antimicrobial Activity of Microwave Synthesized 3-Amino-8-Bromo-1-(2,5-dichlorophenyl)-1H-Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 3831-3836	0.3	1
206	X-ray Characterization and Antimicrobial Activity of Synthesized New 3-Amino-8-Bromo-1-(3,4-dimethoxyphenyl)-1H-Benzo[f] Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 3924-3929	0.3	2

205	Crystal structure of 1-(adamantan-1-yl)-3-(3-chlorophenyl)thiourea, C <sub>17</sub> H <sub>21</sub> ClN <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 33-35	0.2	2
204	Crystal structure of (E)-2-(4-hydroxy-3-methoxybenzylidene)-6-methoxy-3,4-dihydronaphthalen-1(2H)-one, C <sub>19</sub> H <sub>18</sub> O <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 203-205	0.2	3
203	Synthesis, X-ray Characterization and Antimicrobial Activity of 3-Amino-1-(2,4-dichlorophenyl)-8-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 5717-5721	0.3	1
202	X-ray Characterizations of New Synthesized 3-Amino-1-(2,6-difluorophenyl)-8-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 3994-3999	0.3	1
201	Crystal structure of 4-((4,4-dimethyl-2,6-dioxocyclohexylidene)methylamino)-N-(3,4-dimethylisoxazol-5-yl)benzenesulfonamide, C <sub>20</sub> H <sub>23</sub> N <sub>3</sub> O <sub>5</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1117-1119	0.2	1
200	Synthesis, single crystal x-ray analysis, and antimicrobial activity of new (2E)-N'-(4-methoxybenzylidene)-2-[3-cyano-7,8-dihydro-4-(5-methylfuran-2-yl)-2-oxo-2H-pyrano[4,3-b]pyridin-1(5H)-yl]acetamide. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 1758-1761		
199	Crystal structure of methyl 5-methoxy 1H-indole-2-carboxylate, C <sub>11</sub> H <sub>11</sub> NO <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 313-314	0.2	1
198	Crystal structure of 1,1?-(butane-1,4-diyl)bis(5-methyl-1H-pyrazole-3-carbaldehyde), C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 577-578	0.2	1
197	Crystal structure of N-(2-(2-oxoindolin-4-yl)ethyl)-N-propylpropan-1-aminium tetraphenylborate, C <sub>40</sub> H <sub>45</sub> BN <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 921-923	0.2	
196	Crystal structure of 6-(4-chlorophenyl)-3-(thiophen-2-yl)-[1,2,4]triazolo[3,4-b][1,3,4]-thiadiazole, C <sub>13</sub> H <sub>7</sub> ClN <sub>4</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 931-932	0.2	1
195	Crystal structure of 5-(3-fluorobenzylidene)-1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione; C <sub>13</sub> H <sub>11</sub> FN <sub>2</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1059-1061	0.2	1
194	Synthesis of pyrimidine-2,4,6-trione derivatives: Anti-oxidant, anti-cancer, $\alpha$ -glucosidase, $\alpha$ -glucuronidase inhibition and their molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2016</b> , 68, 72-9	5.1	35
193	Crystal, molecular structure, and conformational preferences of 3-(2-(4-morpholinophenyl)-2-oxoethyl)-5,5-diphenylimidazolidine-2,4-dione. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 631, 144-153	0.5	1
192	Crystal structure of 2-(4-(4-bromophenyl)thiazol-2-yl)isoindoline-1,3-dione, C <sub>17</sub> H <sub>9</sub> BrN <sub>2</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 853-854	0.2	
191	Crystal structure of 4-chloro-N,N-diethyl-6-(piperidin-1-yl)-1,3,5-triazin-2-amine, C <sub>12</sub> H <sub>20</sub> ClN <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 243-245	0.2	1
190	Crystal structure of 2-amino-N-(4-methoxyphenyl)benzamide, C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 203-204	0.2	3
189	Crystal structure of N?-(4-nitrobenzylidene)-5-phenyl-1H-pyrazole-3-carbohydrazide, C <sub>17</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 839-841	0.2	5
188	Crystal structure of N?-(adamantan-2-ylidene)pyridine-3-carbohydrazide, C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 573-575	0.2	2

187	Crystal structure of diethylammonium 5-((4-fluorophenyl)(6-hydroxy-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-5-yl)methyl)-1,3-dimethyl-2,6-dioxo-1,2,3,4-tetrahydropyrimidin-5-ide, C23H30FN5O6. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 507-509		
186	Crystal structure of 6-hydroxy-5-((2-hydroxy-6-oxocyclohex-1-en-1-yl)(phenyl)methyl)-1,3-dimethylpyrimidine-2,4(1H,3H)-dione, C19H20N2O5. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 849-851		
185	Crystal structure of diethylammonium 1,3-dimethyl-2,4,6-trioxohexahydropyrimidin-5-ide, C10H19N3O3. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1063-1064	0.2	1
184	Crystal structure of 1-(adamantan-1-yl)-3-(4-chlorophenyl)thiourea, C17H21ClN2S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 707-709	0.2	2
183	Crystal structure of 3-(6-(5-amino-1-phenyl-1H-pyrazol-3-yl)pyridin-2-yl)-1-phenyl-1H-pyrazol-5-amine 1,4-dioxan (2/1), C25H23N7O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 597-599	0.2	
182	Crystal structure of N?-(1E)-(2,6-dichlorophenyl)-methylidene]adamantane-1-carbohydrazide, C18H20Cl2N2O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1037-1039	0.2	2
181	Crystal structure of 2-((dimethylamino)methylene)-5,5-Dimethylcyclohexane-1,3-dione, C11H17NO2. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 903-905	0.2	
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179	One pot synthesis, molecular structure and spectroscopic studies (X-ray, IR, NMR, UV-Vis) of novel 2-(4,6-dimethoxy-1,3,5-triazin-2-yl) amino acid ester derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 159, 184-98	4.4	12
178	Isocoumarin derivatives from the marine-derived fungus <i>Phoma</i> sp. 135. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 354-356	2	13
177	Crystal structure of N?-(adamantan-2-ylidene)-isonicotinohydrazide, C16H19N3O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 273-275	0.2	2
176	Crystal structure of 5-(adamantan-1-yl)-3-[[4-chloroanilino)methyl]-2,3-dihydro-1,3,4-oxadiazole-2-thione, C19H22ClN3OS. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 301-303	0.2	1
175	Increasing the binding affinity of VEGFR-2 inhibitors by extending their hydrophobic interaction with the active site: Design, synthesis and biological evaluation of 1-substituted-4-(4-methoxybenzyl)phthalazine derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 113, 50-62	6.8	59
174	Crystal structure of 1-(adamantan-1-yl)-3-phenylthiourea, C17H22N2S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 593-595	0.2	5
173	Crystal structure of 6-(2-fluorophenyl)-3-phenyl-[1,2,4]-triazolo[3,4-b][1,3,4]thiadiazole, C15H9FN4S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 661-663	0.2	1
172	Studies on the Red Sea Sponge <i>Haliclona</i> sp. for its Chemical and Cytotoxic Properties. <i>Pharmacognosy Magazine</i> , <b>2016</b> , 12, 114-9	0.8	9
171	Crystal structure of 1,4-dihydro-1-phenylchromeno[4,3-c]pyrazole, C16H12N2O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1185-1187	0.2	
170	Crystal structure of 4,5-diphenylthiazol-2-amine, C15H12N2S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 861-862	0.2	1

169	Crystal structure of 5-(2-chloro-5-nitrophenyl)-3-(4-chlorophenyl)-N-ethyl-4,5-dihydro-1H-pyrazole-1-carbothioamide, C <sub>18</sub> H <sub>16</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1169-1170	0.2	
168	Synthesis, Crystal Study, and Anti-Proliferative Activity of Some 2-Benzimidazolylthioacetophenones towards Triple-Negative Breast Cancer MDA-MB-468 Cells as Apoptosis-Inducing Agents. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	17
167	Crystal structure of 5-methoxy-N?-[(3Z)-5-chloro-1-(4-fluorobenzyl)-2-oxo-1,2-dihydro-3H-indol-3-ylidene]-1H-indole-2-carbohydrazide-DMSO (1/1), C <sub>25</sub> H <sub>18</sub> ClFN <sub>4</sub> O <sub>3</sub> · C <sub>2</sub> H <sub>6</sub> O <sub>S</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1021-1023		
166	Crystal structure of 5-methoxy-N?-[(3Z)-1-benzyl-5-fluoro-2-oxo-1,2-dihydro-3H-indol-3-ylidene]-1H-indole-2-carbohydrazide-DMSO (1/1), C <sub>27</sub> H <sub>25</sub> FN <sub>4</sub> O <sub>4</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1025-1027		
165	Crystal structure of 5-ethyl-6-[(3-methylphenyl)sulfonyl]pyrimidine-2,4(1H,3H)-dione, C <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 601-603	0.2	
164	Synthesis, characterization, x-ray structure and antimicrobial activity of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2016</b> , 15, 1751	0.8	5
163	Crystal structure of 6-oxo-4-propyl-2-(propylthio)-1,6-dihydropyrimidine-5-carbonitrile, C <sub>11</sub> H <sub>15</sub> N <sub>3</sub> O <sub>S</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 583-585	0.2	2
162	Crystal structure of 2-(3-(benzofuran-2-yl)-5-(4-fluorophenyl)-4,5-dihydro-1H-pyrazol-1-yl)-4-(4-chlorophenyl)thiazole, C <sub>26</sub> H <sub>17</sub> ClFN <sub>3</sub> O <sub>S</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 911-912	0.2	2
161	Crystal structure of 2-(bis(methylthio)methylene)-1-phenylbutane-1,3-dione, C <sub>13</sub> H <sub>14</sub> O <sub>2</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 473-474	0.2	
160	Crystal structure of 2-benzylisothiuronium tetraphenylborate, C <sub>32</sub> H <sub>31</sub> BN <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 631-633	0.2	1
159	Crystal structure of 3-(((cyclohexyl(phenyl)methylidene)amino)oxy)-2-hydroxy-N-(propan-2-yl)propan-1-aminium chloride, C <sub>19</sub> H <sub>31</sub> ClN <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 847-848	0.2	
158	Crystal structure of 3-(adamantan-1-yl)-1-[[4-benzylpiperazin-1-yl)methyl]-4-[(E)-(2,6-difluorobenzylidene)amino]-1H-1,2,4-triazole-5(4H)-thione, C <sub>31</sub> H <sub>36</sub> F <sub>2</sub> N <sub>6</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 927-929		
157	Crystal structure of 2-(3-(benzofuran-2-yl)-5-phenyl-4,5-dihydro-1H-pyrazol-1-yl)-4-phenylthiazole, C <sub>26</sub> H <sub>19</sub> N <sub>3</sub> O <sub>S</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 935-936	0.2	1
156	Crystal structure of 1-(3-chloropropyl)piperidin-1-ium tetraphenylborate, C <sub>32</sub> H <sub>37</sub> BClN. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 983-985	0.2	
155	Synthesis, X-Ray Crystal Structures, Biological Evaluation, and Molecular Docking Studies of a Series of Barbiturate Derivatives. <i>Journal of Chemistry</i> , <b>2016</b> , 2016, 1-11	2.3	5
154	Inhibitory activity of benzo[h]quinoline and benzo[h]chromene in human glioblastoma cells. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2016</b> , 15, 2337	0.8	6
153	Synthesis, Crystal Structure, Density Function Theory, Molecular Docking and Antimicrobial Studies of 2-(3-(4-phenylpiperazin-1-yl)propyl)isoindoline-1,3-dione. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2016</b> , 15, 385	0.8	5
152	Molecular Structure, Spectroscopic and DFT Computational Studies of Arylidene-1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione. <i>Crystals</i> , <b>2016</b> , 6, 110	2.3	2

151	5-[(3-Fluorophenyl)(2-hydroxy-6-oxocyclohex-1-en-1-yl)methyl]-6-hydroxy-1,3-dimethylpyrimidine-2,4(1H,3H)-dione. <i>MolBank</i> , <b>2016</b> , 2016, M910	0.5	3
150	Synthesis, Biological Evaluation and Molecular Docking of Certain Sulfones as Potential Nonazole Antifungal Agents. <i>Molecules</i> , <b>2016</b> , 21, E114	4.8	12
149	Unusual Nitrogenous Phenalenone Derivatives from the Marine-Derived Fungus <i>Coniothyrium cereale</i> . <i>Molecules</i> , <b>2016</b> , 21, 178	4.8	15
148	Synthesis of New Functionalized Indoles Based on Ethyl Indol-2-carboxylate. <i>Molecules</i> , <b>2016</b> , 21, 333	4.8	9
147	Synthesis, Spectroscopic, X-ray Diffraction and DFT Studies of Novel Benzimidazole Fused-1,4-Oxazepines. <i>Molecules</i> , <b>2016</b> , 21,	4.8	7
146	Synthesis and Cytotoxic Activity of Biphenylurea Derivatives Containing Indolin-2-one Moieties. <i>Molecules</i> , <b>2016</b> , 21,	4.8	31
145	Crystal structure of 1-(2,3-dihydro-4-methyl-3-phenyl-2-thioxothiazol-5-yl)-1-ethanone, C <sub>12</sub> H <sub>11</sub> NOS <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 925-926	0.2	
144	Crystal structure of N <sup>?</sup> -(4-methoxybenzylidene)-5-phenyl-1H-pyrazole-3-carbohydrazide, C <sub>18</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 835-837	0.2	2
143	Ultrasonic promoted synthesis of novel s -triazine-Schiff base derivatives; molecular structure, spectroscopic studies and their preliminary anti-proliferative activities. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1125, 121-135	3.4	28
142	Crystal structure of 5-(adamantan-1-yl)-3-[(2-trifluoromethylanilino)methyl]-2,3-dihydro-1,3,4-oxadiazole-2-thione, C <sub>20</sub> H <sub>22</sub> F <sub>3</sub> N <sub>3</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 815-817	0.2	1
141	Crystal structure of 3-amino-9-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C <sub>21</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1193-1195	0.2	1
140	Crystal structure of N-(5-bromo-4-(p-tolyl)thiazol-2-yl)-4-chlorobutanamide, C <sub>14</sub> H <sub>14</sub> BrClN <sub>2</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 859-860	0.2	
139	Crystal structure of 9-allyl-4,5-dichloro-12-cyano-9,10-dihydro-9,10-ethanoanthracen-12-yl acetate, C <sub>22</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 801-803	0.2	
138	Crystal structure of ethyl 5-amino-3-(methylthio)-1-(1-phenyl-5-(thiophen-2-yl)-1H-pyrazole-3-carbonyl)-1H-pyrazole-4-carboxylate, C <sub>21</sub> H <sub>19</sub> N <sub>5</sub> O <sub>3</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1051-1052	0.2	1
137	Crystal structure of 1,2-bis(4-methoxyphenyl)-2-((3-(trifluoromethyl)phenyl)amino)ethan-1-one, C <sub>23</sub> H <sub>20</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1197-1199	0.2	
136	Lewis acid-promoted direct synthesis of N-unsubstituted hydrazones via the reaction of hydrazine with acetophenone and isatin derivatives. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 2837-2844	0.7	1
135	Crystal structure of diethyl-3-methyl-4-phenylthieno[2,3-b]thiophene-2,5-dicarboxylate, C <sub>19</sub> H <sub>18</sub> O <sub>4</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 521-523	0.2	
134	Crystal structure of 2-((2-chloropyridin-3-ylamino)methylene)malononitrile, C <sub>9</sub> H <sub>5</sub> ClN <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 711-713	0.2	

133	Crystal structure of 1-(adamantan-1-yl)-3-(4-bromophenyl)thiourea, C <sub>17</sub> H <sub>21</sub> BrN <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1033-1035	0.2	1
132	Crystal structure of (Z)-5-(4-chlorobenzylidene)-2-thioxothiazolidin-4-one $\square$ dimethylsulfoxide (1:1), C <sub>12</sub> H <sub>12</sub> ClNO <sub>2</sub> S <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 319-320	0.2	2
131	Crystal structure of 4-[(E)-(2-chloro-6-fluorobenzylidene)amino]-1,2-dihydro-2,3-dimethyl-1-phenylpyrazol-5-one, C <sub>18</sub> H <sub>15</sub> ClFN <sub>3</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 777-780	0.2	
130	Crystal structure of N-(adamantan-1-yl)-4-phenylpiperazine-1-carbothioamide, C <sub>21</sub> H <sub>29</sub> N <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 991-993	0.2	4
129	Highly functionalized dispiro oxindole-pyrrolo[1,2-c]thiazole-piperidone hybrid: Synthesis, characterization and theoretical investigations on the regiochemistry. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1121, 93-103	3-4	5
128	A concise synthesis and evaluation of new malonamide derivatives as potential $\beta$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 1675-82	3-4	14
127	Crystal structure of 5,5'-((4-(trifluoromethyl)phenyl)methylene)bis(1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione) $\square$ diethylamine $\square$ dichloromethane (1/1/1) C <sub>25</sub> H <sub>32</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>5</sub> O <sub>6</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 321-323	0.2	
126	Molecular docking study and antiviral evaluation of 2-thioxo-benzo[g]quinazolin-4(3H)-one derivatives. <i>Chemistry Central Journal</i> , <b>2016</b> , 10, 21		24
125	Crystal structure of ethyl 2-amino-5-bromothiazole-4-carboxylate, C <sub>6</sub> H <sub>7</sub> BrN <sub>2</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 629-630	0.2	
124	Crystal structure of (Z)-4-(4-oxopent-2-en-2-ylamino)benzenesulfonamide, C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 867-869	0.2	
123	Crystal structure of 2-[(4-fluorobenzyl)sulfanyl]-4-(2-methylpropyl)-6-oxo-1,6-dihydropyrimidine-5-carbonitrile, C <sub>16</sub> H <sub>16</sub> FN <sub>3</sub> O <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 285-287	0.2	1
122	Crystal structure of (E)-1-(3,4-dimethoxyphenyl)-3-(dimethylamino)prop-2-en-1-one, C <sub>13</sub> H <sub>17</sub> NO <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 437-438	0.2	1
121	Crystal structure of 1-(5-benzoyl-4-methyl-2-(phenylamino)thiophen-3-yl)ethan-1-one, a structure with Z? = 6, C <sub>20</sub> H <sub>17</sub> NO <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 517-520	0.2	
120	Crystal structure of 2-phenyl-5,6,7,8-tetrahydro-4H-benzo[4,5]thieno[2,3-d][1,3]oxazin-4-one, C <sub>16</sub> H <sub>13</sub> NO <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 623-625	0.2	1
119	Crystal structure of ethyl-5-amino-1-(2,4-dinitrophenyl)-1H-pyrazole-4-carboxylate, C <sub>12</sub> H <sub>11</sub> N <sub>5</sub> O <sub>6</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 699-701	0.2	2
118	Crystal structure of 5-((4-bromophenyl)(2-hydroxy-6-oxocyclohex-1-en-1-yl)methyl)-6-hydroxy-1,3-dimethylpyrimidine-2,4(1H,3H)-dione, C <sub>19</sub> H <sub>19</sub> BrN <sub>2</sub> O <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 843-845		
117	Crystal structure of N?-(4-(dimethylamino)benzylidene)-5-phenyl-1H-pyrazole-3-carbohydrazide, C <sub>19</sub> H <sub>19</sub> N <sub>5</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 883-886	0.2	3
116	Crystal structure of 3-(benzofuran-2-yl)-5-(4-fluorophenyl)-4,5-dihydro-1H-pyrazole-1-carbothioamide, C <sub>18</sub> H <sub>14</sub> FN <sub>3</sub> O <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 887-888	0.2	

115	Crystal structure of 3-(4-bromophenyl)-5-(4-fluorophenyl)-4,5-dihydro-1H-pyrazole-1-carbothioamide, C <sub>16</sub> H <sub>13</sub> BrFN <sub>3</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1073-1074	0.2	
114	Synthesis and X-ray study of 6H-chromeno[3,4-e][1,3,4]triazolo[2,3-a]pyrimidine. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 1944-1947	0.7	
113	Crystal structure of (E)-2-(bis(methylthio)methylene)-1-phenyl-3-(2-phenylhydrazono)butan-1-one, C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 475-476	0.2	
112	Structural and spectral investigations of the recently synthesized chalcone (E)-3-mesityl-1-(naphthalen-2-yl) prop-2-en-1-one, a potential chemotherapeutic agent. <i>Chemistry Central Journal</i> , <b>2015</b> , 9, 35		9
111	Synthesis and structure investigation of novel pyrimidine-2,4,6-trione derivatives of highly potential biological activity as anti-diabetic agent. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1098, 365-376	3-4	39
110	Synthesis, biological evaluation and molecular docking studies of thiazole-based pyrrolidinones and isoindolinediones as anticonvulsant agents. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3194-3211	2.2	23
109	Synthesis, NMR, FT-IR, X-ray structural characterization, DFT analysis and isomerism aspects of 5-(2,6-dichlorobenzylidene)pyrimidine-2,4,6(1H,3H,5H)-trione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 147, 107-16	4.4	21
108	Tetraphenylborate Salt of Bambuterol (Bambec <sup>®</sup> ): Synthesis, Characterization and X-ray Structure of N-(2-(3,5-bis((dimethylcarbamoyl)oxy)phenyl)-2-hydroxyethyl)-2-methylpropan-2-aminium tetraphenylborate. <i>Journal of Chemical Crystallography</i> , <b>2015</b> , 45, 251-256	0.5	1
107	Crystal structure of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-hydrazinecarboxamide monohydrate, C <sub>13</sub> H <sub>17</sub> N <sub>5</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 249-250	0.2	
106	Straightforward synthesis of pyrrolo[3,4-b]quinolines through intramolecular Povarov reactions. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 6900-6903	2	14
105	Crystal structure of cyclo-hexyl-ammonium thio-cyanate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2015</b> , 71, o62-3	0.7	2
104	Crystal structure of 3-[(4-benzyl-piperazin-1-yl)methyl]-5-(thio-phen-2-yl)-2,3-dihydro-1,3,4-oxa-diazole-2-thione. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2015</b> , 71, o175-6	0.7	1
103	Crystal structure of (E)-2-hydroxy-4'-methoxy-aza-stilbene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2015</b> , 71, 571-3	0.7	
102	Crystal structure of 3-[[4-(4-fluorophenyl)piperazin-1-yl]methyl]-5-(thiophen-2-yl)-2,3-dihydro-1,3,4-oxadiazole-2-thione, C <sub>17</sub> H <sub>17</sub> N <sub>4</sub> O <sub>2</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 267-268	0.2	
101	Crystal structure of (E)-3-(4-methoxyphenyl)-1-(thiophen-2-yl)-2-tosylprop-2-en-1-one, C <sub>21</sub> H <sub>18</sub> O <sub>4</sub> S <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 61-62	0.2	
100	Synthesis, in vitro biological activities and in silico study of dihydropyrimidines derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 6740-8	3-4	33
99	2-((Benzimidazol-2-yl)thio)-1-arylethan-1-ones: Synthesis, crystal study and cancer stem cells CD133 targeting potential. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 104, 1-10	6.8	18
98	Synthesis of novel 5-monoalkylbarbiturate derivatives: new access to 1,2-oxazepines. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 6984-6987	2	17

97	Synthesis and molecular characterization of 5,5'-((2,4-dichlorophenyl)methylene)bis(1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione). <i>Journal of Molecular Structure</i> , <b>2015</b> , 1084, 207-215	3.4	14
96	Synthesis, molecular structure investigations and antimicrobial activity of 2-thioxothiazolidin-4-one derivatives. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1081, 519-529	3.4	13
95	Synthesis and antibacterial properties of 4-bromobenzohydrazide derivatives and crystal structure of (E)-N'-((1H-indol-3-yl)methylene)-4-bromobenzohydrazide. <i>Crystallography Reports</i> , <b>2015</b> , 60, 1072-1079	0.6	1
94	Crystal structure of 6-(phenylsulfanyl)-5-propylpyrimidine-2,4(1H,3H)-dione, C <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 289-291	0.2	
93	X-ray Molecular Structure of (((1E)-3-(1H-Imidazol-1-yl)-1-phenylpropylidene]amino)oxy)(3,4,5-trimethoxyphenyl)-methanone: A Potential Anti-Candida Agent. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2015</b> , 14, 2041	0.8	
92	Crystal structure of (Z)-5-(3-methylbenzylidene)-2-thioxothiazolidin-4-one, C <sub>13</sub> H <sub>15</sub> NO <sub>2</sub> S <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 257-258	0.2	2
91	A novel one-pot green synthesis of dispirooxindolo-pyrrolidines via 1,3-dipolar cycloaddition reactions of azomethine ylides. <i>Molecules</i> , <b>2015</b> , 20, 780-91	4.8	26
90	Docking and antiherpetic activity of 2-aminobenzo[de]-isoquinoline-1,3-diones. <i>Molecules</i> , <b>2015</b> , 20, 5099-5111	4.8	11
89	Synthesis, molecular structure and spectroscopic investigations of novel fluorinated spiro heterocycles. <i>Molecules</i> , <b>2015</b> , 20, 8223-41	4.8	7
88	Synthesis, in-vitro antibacterial, antifungal, and molecular modeling of potent anti-microbial agents with a combined pyrazole and thiophene pharmacophore. <i>Molecules</i> , <b>2015</b> , 20, 8712-29	4.8	25
87	Synthesis, spectroscopic investigations (X-ray, NMR and TD-DFT), antimicrobial activity and molecular docking of 2,6-bis(hydroxy(phenyl)methyl)cyclohexanone. <i>Molecules</i> , <b>2015</b> , 20, 13240-63	4.8	4
86	Synthesis, Characterization, and Anti-Cancer Activity of Some New N'-(2-Oxoindolin-3-ylidene)-2-propylpentane hydrazide-hydrazone Derivatives. <i>Molecules</i> , <b>2015</b> , 20, 14638-55	4.8	14
85	An Expedient Regio- and Diastereoselective Synthesis of Hybrid Frameworks with Embedded Spiro[9,10]dihydroanthracene [9,3']-pyrrolidine and Spiro[oxindole-3,2'-pyrrolidine] Motifs via an Ionic Liquid-Mediated Multicomponent Reaction. <i>Molecules</i> , <b>2015</b> , 20, 16142-53	4.8	12
84	New Diethyl Ammonium Salt of Thiobarbituric Acid Derivative: Synthesis, Molecular Structure Investigations and Docking Studies. <i>Molecules</i> , <b>2015</b> , 20, 20642-58	4.8	9
83	Microwave Synthesis, Characterization, and Antimicrobial Activity of Some Novel Isatin Derivatives. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-8	2.3	10
82	Synthesis and Characterization of Novel Thieno-Fused Bicyclic Compounds through New Enaminone Containing Thieno[2,3-b]pyridine Scaffold. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-8	2.3	3
81	Single-Crystal X-ray Structure of Anti-Candida Agent, (E)-3-(1H-Imidazol-1-yl)-1-Phenylpropan-1-one O-3-Chlorobenzoyl Oxime. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2015</b> , 14, 1865	0.8	1
80	Crystal structure of (2E)-2-[1-(4-bromophenyl)-3-(1H-imidazol-1-yl)propylidene]-N-(2,4-dichlorophenyl)hydrazinocarboxamide, C <sub>19</sub> H <sub>16</sub> BrCl <sub>2</sub> N <sub>5</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2015</b> , 230, 219-220	0.2	



79	Crystal Structure of 7,11-bis(2,4-dichlorophenyl)-2,4-dimethyl-2,4-diazaspiro[5.5]undecane-1,3,5,9-tetraone and its computational studies. <i>Journal of Chemical Sciences</i> , <b>2015</b> , 127, 2039-2050	1.8	1
78	Molecular structure investigation and tautomerism aspects of (E)-3-benzylideneindolin-2-one. <i>Journal of Chemical Sciences</i> , <b>2015</b> , 127, 1547-1556	1.8	3
77	Synthesis and Crystal Structures of Benzimidazole-2-thione Derivatives by Alkylation Reactions. <i>Molecules</i> , <b>2015</b> , 21, E12	4.8	14
76	Tandem Aldol-Michael reactions in aqueous diethylamine medium: a greener and efficient approach to dimedone-barbituric acid derivatives. <i>Chemistry Central Journal</i> , <b>2014</b> , 8, 9		20
75	An efficient and green procedure for synthesis of rhodanine derivatives by aldol-thia-Michael protocol using aqueous diethylamine medium. <i>RSC Advances</i> , <b>2014</b> , 4, 4909	3.7	29
74	Microwave irradiation: synthesis and characterization of $\beta$ -ketoamide and bis( $\beta$ -ketoamide) derivatives via the ring opening of -acetylisatin. <i>Chemistry Central Journal</i> , <b>2014</b> , 8, 27		4
73	Synthesis, X-ray diffraction, thermogravimetric and DFT analyses of pyrimidine derivatives. <i>Molecules</i> , <b>2014</b> , 19, 17187-201	4.8	5
72	A greener, efficient approach to Michael addition of barbituric acid to nitroalkene in aqueous diethylamine medium. <i>Molecules</i> , <b>2014</b> , 19, 1150-62	4.8	17
71	Crystal structure of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-N-(4-methylphenyl)hydrazinecarboxamide, C <sub>20</sub> H <sub>21</sub> N <sub>5</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2014</b> , 229, 311-312	0.2	1
70	Design, Synthesis, and Molecular Docking of 1-(1-(4-Chlorophenyl)-2-(phenylsulfonyl)ethylidene)-2-phenylhydrazine as Potent Nonazole Anticandidal Agent. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-8	2.3	12
69	Anticonvulsant potential of certain new (2E)-2-[1-Aryl-3-(1H-imidazol-1-yl)propylidene]-N-(aryl/H)hydrazinecarboxamides. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 357403	2.2	7
68	Synthesis, docking study and $\beta$ -adrenoceptor activity of some new oxime ether derivatives. <i>Molecules</i> , <b>2014</b> , 19, 3417-35	4.8	8
67	Some New NSAIDs Prodrugs: An Efficient Synthesis, Spectral Characterization and X-ray Crystal Structure Studies. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 5249-5254	0.4	2
66	Synthesis and X-Ray Structure of (1Z,2Z)-1,2-Bis(2-(phenylsulfonyl)-1-(4-tolyl)ethylidene)hydrazine. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-5	2.3	
65	Synthesis, Single Crystal X-Ray Structure, and Antimicrobial Activity of 6-(1,3-Benzodioxol-5-ylmethyl)-5-ethyl-2-[[2-(morpholin-4-yl)ethyl]sulfonyl]pyrimidin-4(3H)-one. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-8	2.3	5
64	Synthesis, Crystal Structure, and Biological Activity of cis/trans Amide Rotomers of (Z)-N <sup>2</sup> -(2-Oxoindolin-3-ylidene)formohydrazide. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-7	2.3	10
63	Crystal structure of ((E)-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]amino)-oxy(4-methylphenyl)methanone, C <sub>20</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2014</b> , 229, 307-308	0.2	1
62	Novel Diastereoselective Synthesis and X-Ray Crystallographic Studies of (E)-2-cyano-N-(4-ethoxyphenyl)-3-methylthio-3-(substituted-amino)Acrylamides. <i>Molecular Crystals and Liquid Crystals</i> , <b>2014</b> , 605, 165-178	0.5	5

61	Sickle cell disease in Saudi Arabia: the phenotype in adults with the Arab-Indian haplotype is not benign. <i>British Journal of Haematology</i> , <b>2014</b> , 164, 597-604	4-5	55
60	Microwave-Assisted Synthesis and Characterization of Certain Oximes, Hydrazones, and Olefins Derived from Keto Sulfones. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-6	2-3	4
59	Crystal structure of 2-(adamantan-1-yl)-5-(4-bromo-phen-yl)-1,3,4-oxa-diazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o1231-2		3
58	Crystal structure of 1-({4-[(3-nitrobenzyl)oxy]benzyl}amino)-2,3-dihydro-1H-indene-1-carboxamide hydrochloride - 2-propanol(1:1), C <sub>27</sub> H <sub>32</sub> ClN <sub>3</sub> O <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2014</b> , 229, 309-310	0.2	
57	5-Propyl-6-(p-tolyl-sulfan-yl)pyrimidine-2,4(1H,3H)-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o179-80		3
56	4-(2-Meth-oxy-phen-yl)piperazin-1-ium 6-chloro-5-isopropyl-2,4-dioxopyrimidin-1-ide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o245-6		3
55	(1E,4E)-1,5-Bis[4-(di-ethyl-amino)-phen-yl]penta-1,4-dien-3-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o589-90		2
54	3-(Adamantan-1-yl)-4-benzyl-1H-1,2,4-triazole-5(4H)-thione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o766-7		4
53	6-[(2-Methyl-phen-yl)sulfan-yl]-5-propyl-pyrimidine-2,4(1H,3H)-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o768-9		1
52	An expedient pseudo four-component synthesis of dispiroindandione fused indeno-N-methylmorpholine, spectroscopic, X-ray diffraction and DFT studies. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1063, 283-288	3-4	4
51	Synthesis of Novel 2-(Methylthio)benzo[g][1,2,4]triazolo[1,5-a]quinazolin-5-(4H)-one and its Derivatives. <i>Letters in Organic Chemistry</i> , <b>2014</b> , 11, 759-767	0.6	5
50	Crystal structure of 6-chloro-5-iso-propyl-pyrimidine-2,4(1H,3H)-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o1144-5		
49	A 1,3-dipolar cycloaddition-annulation protocol for the expedient regio-, stereo- and product-selective construction of novel hybrid heterocycles comprising seven rings and seven contiguous stereocentres. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 2515-2519	2	24
48	Unexpected ring-opening of 3-arylbenzo[b]furans at room temperature: a new route for the construction of phenol-substituted pyrazoles. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3424-3426	2	12
47	Synthesis and Single Crystal X-Ray Structure of New (2E)-2-[3-(1H-Imidazol-1-yl)-1-phenylpropylidene]-N-phenylhydrazinecarboxamide. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-5	2.3	2
46	Synthesis and X-Ray Crystal Structure of (1E)-1-(4-Chlorophenyl)-N-hydroxy-3-(1H-imidazol-1-yl)propan-1-imine. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-4	2.3	1
45	Tandem aldol-Michael reactions in aqueous diethylamine medium: a greener and efficient approach to bis-pyrimidine derivatives. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 23762-73	6.3	31
44	A Facile Synthesis of Pyrido[2,3:3,4]pyrazolo[1,5-a]pyrimidine and Pyrido[2,3:3,4]pyrazolo[5,1-c][1,2,4]triazine Bearing a Thiophene Moiety. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-7	2.3	6

43	Crystal structure of 4,5-dichloro-anthracen-9(10H)-one, C <sub>14</sub> H <sub>8</sub> Cl <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2013</b> , 228, 405-406	0.2	3
42	N-[4-(4-Bromo-phen-yl)thia-zol-2-yl]-4-(piperidin-1-yl)butanamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1665		1
41	A functional promoter polymorphism of the $\beta$ globin gene is a specific marker of the Arab-Indian haplotype. <i>American Journal of Hematology</i> , <b>2012</b> , 87, 824-6	7.1	10
40	5-Bromo-4-(3,4-dimeth-oxy-phen-yl)thia-zol-2-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1631-2		7
39	(1Z,2E)-N'-{2-Chloro-1-methyl-2-[2-(4-methyl-phen-yl)hydrazin-1-yl-idene]ethyl-idene}-4-meth-oxy-benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o926		1
38	5-Meth-oxy-1-[(5-meth-oxy-1H-indol-2-yl)meth-yl]-1H-indole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o971		2
37	1-(3-Ethyl-phen-yl)-4,6-dimethyl-2-oxo-1,2-dihydro-pyridine-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1679		1
36	3-Acetyl-1-(3-methyl-phen-yl)-5-phenyl-1H-pyrazole-4-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o485-6		
35	5,6-Dimethyl-4-(thio-phen-2-yl)-1H-pyrazolo-[3,4-b]pyridin-3-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o612-3		2
34	N-Phenyl-2-(propan-2-yl-idene)-hydrazine-carboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o671		2
33	N'-[(1E,2E)-3,7-Dimethyl-octa-2,6-dien-1-yl-idene]pyridine-4-carbohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1144-5		2
32	(E)-2-(2,3-Dimethyl-anilino)-N'-[2-methyl-5-(prop-1-en-2-yl)cyclo-hex-2-enyl-idene]benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1135		4
31	(E)-N'-(4-Isopropyl-benzyl-idene)isonicotinohydrazide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1002		4
30	1-(4-Methyl-phen-yl)-2-(phenyl-sulfon-yl)ethanone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1033		3
29	6-(3,5-Dimethyl-benz-yl)-5-ethyl-1-[(2-phenyl-eth-oxy)meth-yl]pyrimidine-2,4(1H,3H)dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1031-2		
28	(E)-4-Amino-N-(1,2-dihydro-pyridin-2-yl-idene)benzene-sulfonamide nitro-methane monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1030		4
27	3-Chloro-4-methyl-quinolin-2(1H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1043		2
26	3-Acetyl-1,5-diphenyl-1H-pyrazole-4-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1095-6		6

- 25 (Z)-3-p-Tolyl-2-(p-tolyl-imino)-1,3-thia-zolidin-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1143 1
- 24 3-Acetyl-5-phenyl-1-p-tolyl-1H-pyrazole-4-carbonitrile. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1167 1
- 23 3-Methyl-1-benzofuran-2-carbohydrazide. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1255-6 1
- 22 (E)-3-Anilino-2-benzoyl-3-(methyl-sulfan-yl)acrylonitrile. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1271
- 21 3-(Adamantan-1-yl)-4-ethyl-1H-1,2,4-triazole-5(4H)-thione. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1347 4
- 20 3-[(N-Methyl-anilino)meth-yl]-5-(thio-phen-2-yl)-1,3,4-oxadiazole-2(3H)-thione. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1345-6 4
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- 18 1-(5-Bromo-4-phenyl-1,3-thia-zol-2-yl)pyrrolidin-2-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1738-9 3
- 17 1-(4-Fluoro-phen-yl)-2-(phenyl-sulfon-yl)ethanone. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1659
- 16 (E)-3-Dimethyl-amino-1-(2,5-dimethyl-thio-phen-3-yl)prop-2-en-1-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1712-3
- 15 (E)-2-Cyano-N'-(1,2,3,4-tetra-hydro-naphthalen-1-yl-idene)acetohydrazide. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1740
- 14 Methyl 2-{6-[(1-meth-oxy-1-oxopropan-2-yl)amino-carbon-yl]pyridine-2-carboxamido}-propano-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1837-8
- 13 Ethyl 2-amino-4,5-dimethyl-thio-phene-3-carboxyl-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2111 1
- 12 4-[(5,5-Dimethyl-3-oxocyclo-hex-1-en-yl)amino]-benzene-sulfonamide. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2370
- 11 5-(Adamantan-1-yl)-3-(benzyl-sulfan-yl)-4-methyl-4H-1,2,4-triazole. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2427-8 1
- 10 (Z)-2-Benzyl-idenebenzo[d]thia-zolo[3,2-a]imidazol-3(2H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2705
- 9 3-Oxo-3-(piperidin-1-yl)propane-nitrile. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2726
- 8 1-(1,5-Diphenyl-4-phenyl-sulfonyl-1H-pyrazol-3-yl)ethanone. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2725

7	(Z)-2-(5-Acetyl-4-methyl-3-phenyl-2,3-dihydro-1,3-thiazol-2-ylidene)-3-(3-methyl-1-benzofuran-2-yl)-3-oxo-propane-nitril <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2727		1
6	Sickle cell disease subphenotypes in patients from Southwestern Province of Saudi Arabia. <i>Journal of Pediatric Hematology/Oncology</i> , <b>2012</b> , 34, 79-84	1.2	24
5	Co-Inheritance of Delta Thalassemia Might Contribute to the High Fetal Hemoglobin in Sickle Cell Anemia Patients with the Saudi-Indian Haplotype. <i>Blood</i> , <b>2011</b> , 118, 1056-1056	2.2	1
4	Fetal Hemoglobin In Sickle Cell Anemia: Molecular Characterization of Saudi Patients From the Eastern Province. <i>Blood</i> , <b>2010</b> , 116, 1627-1627	2.2	
3	Experimental and Computational Interaction Studies of (E)-N-Benzylidene-5-Methyl-1H-Pyrazole-3-Carbohydrazide with $\alpha$ -Glucosidase and $\alpha$ -Amylase Enzymes: A Detailed Structural, Spectroscopic, and Biophysical Study. <i>Polycyclic Aromatic Compounds</i> , 1-21	1.3	
2	Crystal structure, Hirshfeld surface analysis and computational study of three 2-(4-arylthiazol-2-yl)isoindoline-1,3-dione derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 1-16	0.5	0
1	X-ray and computational investigations of ethanoanthracenes: 9,10-dihydro-9,10-ethanoanthracene-12-carboxylic acid and 9,10-dihydro-9,10-ethanoanthracen-9-yl)-N-methylethanamine. <i>Molecular Crystals and Liquid Crystals</i> , 1-14	0.5	