

# Muhammad Nadeem Arshad

## List of Publications by Citations

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252  
papers

2,300  
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25  
h-index

39  
g-index

259  
ext. papers

2,724  
ext. citations

3.3  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
252	Arsenic sensor development based on modification with (E)-N <sup>?</sup> -(2-nitrobenzylidene)-benzenesulfonylhydrazide: a real sample analysis. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9066-9075	3.6	117
251	Trace electrochemical detection of Ni <sup>2+</sup> ions with bidentate N,N <sup>?</sup> -(ethane-1,2-diyl)bis(3,4-dimethoxybenzenesulfonamide) [EDBDMBS] as a chelating agent. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 464, 157-166	2.7	107
250	Fabrication of cadmium ionic sensor based on (E)-4-Methyl-N <sup>?</sup> -(1-(pyridin-2-yl)ethylidene)benzenesulfonylhydrazide (MPEBSH) by electrochemical approach. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 827, 49-55	2.3	106
249	Synthesis, crystal structures, spectroscopic and nonlinear optical properties of chalcone derivatives: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1141, 142-156	3.4	62
248	Synthesis, crystal structures and spectroscopic properties of triazine-based hydrazone derivatives; a comparative experimental-theoretical study. <i>Molecules</i> , <b>2015</b> , 20, 5851-74	4.8	60
247	Synthesis, structures, DNA-binding and anticancer activities of some copper(I)-phosphine complexes. <i>Polyhedron</i> , <b>2019</b> , 158, 164-172	2.7	57
246	Hg Sensor Development Based on (E)-Nitrobenzylidene-Benzenesulfonylhydrazide (NBBSH) Derivatives Fabricated on a Glassy Carbon Electrode with a Nafion Matrix. <i>ACS Omega</i> , <b>2017</b> , 2, 420-431	3.9	56
245	Template- and surfactant-free synthesis of ultrathin CeO nanowires in a mixed solvent and their superior adsorption capability for water treatment. <i>Chemical Science</i> , <b>2015</b> , 6, 2511-2515	9.4	55
244	Synthesis, crystal structure, spectroscopic and density functional theory (DFT) study of N-[3-anthracen-9-yl-1-(4-bromo-phenyl)-allylidene]-N-benzenesulfonylhydrazine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 142, 364-74	4.4	51
243	Hollow ternary PtPdCu nanoparticles: a superior and durable cathodic electrocatalyst. <i>Chemical Science</i> , <b>2015</b> , 6, 3038-3043	9.4	49
242	A microwave-facilitated rapid synthesis of gold nanoclusters with tunable optical properties for sensing ions and fluorescent ink. <i>Chemical Communications</i> , <b>2015</b> , 51, 10539-42	5.8	47
241	A Possible Route toward Expert Systems in Supramolecular Chemistry: 2-Periodic H-Bond Patterns in Molecular Crystals. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1938-1949	3.5	42
240	Synthesis, spectral behaviour and photophysics of donor-acceptor kind of chalcones: Excited state intramolecular charge transfer and fluorescence quenching studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt C, 1893-902	4.4	40
239	Development of selective Co <sup>2+</sup> ionic sensor based on various derivatives of benzenesulfonylhydrazide (BSH) compound: An electrochemical approach. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 133-143	14.7	40
238	Design of novel superalkali doped silicon carbide nanocages with giant nonlinear optical response. <i>Optics and Laser Technology</i> , <b>2020</b> , 122, 105855	4.2	40
237	Synthesis of 2-acylated and sulfonated 4-hydroxycoumarins: In vitro urease inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2016</b> , 66, 111-6	5.1	35
236	Fabrication of a Ga <sup>3+</sup> sensor probe based on methoxybenzylidenebenzenesulfonylhydrazide (MBBSH) by an electrochemical approach. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1169-1180	3.6	34

235	Multilevel topological description of molecular packings in 1,2-benzothiazines. <i>CrystEngComm</i> , <b>2014</b> , 16, 1963-1970	3.3	33
234	Trivalent Y ionic sensor development based on (E)-Methyl-N'-nitrobenzylidene-benzenesulfonohydrazide (MNBBSH) derivatives modified with nafion matrix. <i>Scientific Reports</i> , <b>2017</b> , 7, 5832	4.9	32
233	Doping superalkali on Zn12O12 nanocage constitutes a superior approach to fabricate stable and high-performance nonlinear optical materials. <i>Optics and Laser Technology</i> , <b>2019</b> , 120, 105753	4.2	30
232	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. <i>Cellulose</i> , <b>2021</b> , 28, 3451-3471	5.5	30
231	Development of Hg <sup>2+</sup> sensor based on N'-[1-(pyridin-2-yl)ethylidene]benzenesulfono-hydrazide (PEBSH) fabricated silver electrode for environmental remediation. <i>RSC Advances</i> , <b>2015</b> , 5, 81275-81281	3.7	27
230	Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2018</b> , 76, 218-227	5.1	27
229	4-hydroxy-2H-1,2-benzothiazine-3-carbohydrazide 1,1-dioxide-oxalohydrazide (1:1): X-ray structure and DFT calculations. <i>Journal of Structural Chemistry</i> , <b>2013</b> , 54, 437-442	0.9	26
228	SYNTHESIS OF NOVEL ANTI-BACTERIAL 2,1-BENZOTHIAZINE 2,2-DIOXIDES DERIVED FROM METHYL ANTHRANILATE. <i>Journal of the Chilean Chemical Society</i> , <b>2011</b> , 56, 527-531	2.5	26
227	Photophysical and electrochemical properties and temperature dependent geometrical isomerism in alkyl quinacridonediiimines. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 752-761	3.6	25
226	Sensitive and selective heavy metal ion, Mn <sup>2+</sup> sensor development based on the synthesized (E)-N'-chlorobenzylidene-benzenesulfonohydrazide (CBBSH) molecules modified with nafion matrix. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 63, 312-321	6.3	24
225	Crystal structure of N'-[(E)-(2-hydroxynaphthalen-1-yl) methylidene] benzenesulfonohydrazide (HNMBSH) and its application as Pb <sup>2+</sup> ion sensor by its fabrication onto glassy carbon electrode. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 467, 297-306	2.7	23
224	Recycling nanowire templates for multiplex templating synthesis: a green and sustainable strategy. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 4935-9	4.8	23
223	Crystallographic Studies of Dehydration Phenomenon in Methyl 3-hydroxy-2-methyl-1,1,4-trioxo-1,2,3,4-tetrahydro-1[6-benzo[e][1,2]thiazine-3-carboxylate. <i>Journal of Chemical Crystallography</i> , <b>2013</b> , 43, 671-676	0.5	23
222	Methyl 3-hydr-oxy-4-oxo-3,4-dihydro-2H-1,2-benzothia-zine-3-carboxyl-ate 1,1-dioxide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o2045		23
221	Spectroscopic investigation, effect of solvent polarity and fluorescence quenching of a new D-EA type chalcone derivative. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1629-38	2.4	22
220	Designing Star-Shaped Subphthalocyanine-Based Acceptor Materials with Promising Photovoltaic Parameters for Non-fullerene Solar Cells. <i>ACS Omega</i> , <b>2020</b> , 5, 23039-23052	3.9	21
219	Synthesis, molecular structure, quantum mechanical studies and urease inhibition assay of two new isatin derived sulfonylhydrazides. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1133, 80-89	3.4	20
218	Azomethines, isoxazole, N-substituted pyrazoles and pyrimidine containing curcumin derivatives: Urease inhibition and molecular modeling studies. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 490, 434-440	3.4	20

217	A Ce <sup>2+</sup> sensor based on naphthalen-1-yl-methylene-benzenesulfonohydrazide (NMBSH) molecules: ecological sample analysis. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 4465-4473	3.6	20
216	Electrochemical Detection of Ni <sup>2+</sup> Ions Using Synthesized (E)-N-(4-bromobenzylidene)-4-methylbenzenesulfonohydrazide Derivatives Modified with a Nafion Matrix. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7455-7464	1.8	20
215	AIE active turn-off fluorescent probe for the detection of Cu ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 183, 84-89	4.4	18
214	Antiradical, antimicrobial and enzyme inhibition evaluation of sulfonamide derived esters; synthesis, X-Ray analysis and DFT studies. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 379-388	3.4	18
213	One Pot Selective Arylation of 2-Bromo-5-Chloro Thiophene; Molecular Structure Investigation via Density Functional Theory (DFT), X-ray Analysis, and Their Biological Activities. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	18
212	Sulfonamide hybrid schiff bases of anthranilic acid: Synthesis, characterization and their biological potential. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1185, 8-20	3.4	17
211	Synthesis, characterization, and crystal structure of (E)-N-(4-bromobenzylidene)-benzenesulfonohydrazide and its application as a sensor of chromium ion detection from environmental samples. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1207, 127810	3.4	17
210	Curcumin: Synthesis optimization and in silico interaction with cyclin dependent kinase. <i>Acta Pharmaceutica</i> , <b>2017</b> , 67, 385-395	3.2	16
209	Synthesis, spectroscopic, single crystal diffraction and potential nonlinear optical properties of novel pyrazoline derivatives: Interplay of experimental and computational analyses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 202, 146-158	4.4	16
208	Carbon-supported PtCo <sub>2</sub> Ni <sub>2</sub> alloy with enhanced activity and stability for oxygen reduction. <i>Science China Materials</i> , <b>2015</b> , 58, 179-185	7.1	15
207	Molecular structure, spectroscopic and quantum chemical studies of 1,3,3-trimethylspiro[benzo[f]chromene-3,2'-indoline. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1111, 108-117	3.4	15
206	Spectroscopic and biological properties of platinum complexes derived from 2-pyridyl Schiff bases. <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 903-915	4.3	14
205	The synthesis and application of (E)-N-(4-bromobenzylidene)-4-methyl-benzenesulfonohydrazide for the detection of carcinogenic lead. <i>RSC Advances</i> , <b>2020</b> , 10, 5316-5327	3.7	14
204	Synthesis, characterization, cytotoxicity and computational studies of new phosphine- and carbodithioate-based palladium(II) complexes. <i>Applied Organometallic Chemistry</i> , <b>2017</b> , 31, e3771	3.1	13
203	Nanohybrid based on antibiotic encapsulated layered double hydroxide as a drug delivery system. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 175, 1412-28	3.2	13
202	An efficient synthesis, structural (SC-XRD) and spectroscopic (FTIR, <sup>1</sup> HNMR, MS spectroscopic) characterization of novel benzofuran-based hydrazones: An experimental and theoretical studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1216, 128318	3.4	13
201	Structural investigations, anti-leishmanial, antibacterial and docking studies of new pentavalent antimony carboxylates. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 474, 148-155	2.7	13
200	1-Methyl-1H-2,1-benzothiazin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o557		13

199	Development of highly efficient Co <sup>2+</sup> ions sensor based on N,N'-(ethane-1,2-diyl)bis(2,5-dimethoxybenzenesulfonamide) (EBDMBS) fabricated glassy carbon electrode. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 822, 53-61	2.3	12
198	Synthesis, spectral analysis, X-ray crystal structures and evaluation of chemical reactivity of five new benzimidazole derivatives through experimental and theoretical studies. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1076, 272-279	3.4	12
197	New metal complexes of sulfonamide: Synthesis, characterization, in-vitro anticancer, anticholinesterase, antioxidant, and antibacterial studies. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35,	3.1	12
196	Molecular packings and specific-bonding patterns in sulfonamides. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4099-4106	3.6	11
195	2-(Benzene-sulfonamido)acetic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o2283-4		11
194	Synthesis, X-ray crystal and monoamine oxidase inhibitory activity of 4,6-dihydrobenzo[c]pyrano[2,3-e][1,2]thiazine 5,5-dioxides: In vitro studies and docking analysis. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 131, 9-22	5.1	10
193	Synthesis and structural properties of 2-((10-alkyl-10H-phenothiazin-3-yl)methylene)malononitrile derivatives; a combined experimental and theoretical insight. <i>Chemistry Central Journal</i> , <b>2016</b> , 10, 13		10
192	2-benzenesulfonamidobenzoic Acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1246-7		10
191	N-Cyclo-hexyl-N-ethyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2867		10
190	Fabrication of Sb sensor based on 1,1'-(-(naphthalene-2,3-diylbis(azanylylidene))bis(methanylylidene))bis(naphthalen-2-ol)/nafion/glassy carbon electrode assembly by electrochemical approach.. <i>RSC Advances</i> , <b>2018</b> , 8, 19754-19764	3.7	10
189	Synthesis and structure characterization of Pt(IV) and Cd(II) 1,10-phenanthroline complexes; fluorescence, antitumor and photocatalytic property. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1192, 230-240	3.4	9
188	A Thallium Ion Sensor Development Based on the Synthesized (E)-N'-(Methoxybenzylidene)-4-Methylbenzenesulfonohydrazide Derivatives: Environmental Sample Analysis. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10543-10549	1.8	9
187	LIGAND FREE Pd CATALYZED CYCLIZATION-INFLUENCE OF STERIC HINDRANCE. <i>Journal of the Chilean Chemical Society</i> , <b>2014</b> , 59, 2697-2700	2.5	9
186	Structural, spectroscopic and nonlinear optical properties of sulfonamide derivatives; experimental and theoretical study. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1202, 127393	3.4	9
185	DNA-Binding and Cytotoxicity of Copper(I) Complexes Containing Functionalized Dipyriddyphenazine Ligands. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	9
184	Interaction of ciprofloxacin hydrochloride with sodium dodecyl sulfate in aqueous/electrolytes solution at different temperatures and compositions. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 28, 216-223	3.2	9
183	Cyclization of chalcones into N-propionyl pyrazolines for their single crystal X-ray, computational and antibacterial studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1201, 127186	3.4	9
182	A potent synthesis and supramolecular synthon hierarchy percipience of (E)-N'-(Naphthalen-1-yl-methylene)-benzenesulfonohydrazide and 1-Napthaldehyde: A combined experimental and DFT studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1221, 128797	3.4	8

181	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 99, 103842	5.1	8
180	4-(2-Iodo-benzene-sulfonamido)benzoic acid monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o230		8
179	6-Bromo-1-methyl-4-[2-(4-methyl-benzyl-idene)hydrazinyl-idene]-3H-2[1]-benzothia-zine-2,2-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2092		8
178	N-[2-(Amino-carbon-yl)phen-yl]-4-hydr-oxy-2-methyl-2H-1,2-benzothia-zine-3-carboxamide 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2596		8
177	(2R)-2-Benzene-sulfonamido-2-phenyl-ethanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o940		8
176	Development of a selective and sensitive Ga <sup>3+</sup> sensor for environmental safety: a comparative study of cyclohexyl and aromatic bis-sulphonamide fabricated glassy carbon electrodes. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13589-13601	3.6	7
175	Hybrid compounds from chalcone and 1,2-benzothiazine pharmacophores as selective inhibitors of alkaline phosphatase isozymes. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 159, 282-291	6.8	7
174	Synthesis, characterization, biological evaluation and molecular docking studies of N-functionalized derivatives of 2-aminobenzohydrazide. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1210, 128042	3.4	6
173	A New Cr Electrochemical Sensor Based on ATNA/Nafion/Glassy Carbon Electrode. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
172	Structure characterization and antitumor activity of palladium pseudo halide complexes with 4-acetylpyridine. <i>Journal of Coordination Chemistry</i> , <b>2019</b> , 72, 3088-3101	1.6	6
171	4-[[4-Methyl-phen-yl)sulfon-yl]amino}-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o1018		6
170	4-Hydrazinyl-idene-1-methyl-3H-2[1]-benzothia-zine-2,2-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2038		6
169	Methyl 2-allyl-4-hydr-oxy-2H-1,2-benzothia-zine-3-carboxyl-ate 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o3077		6
168	(1E,4E)-1,5-Bis(4-methyl-phen-yl)penta-1,4-dien-3-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o1413		6
167	7-Nitro-5H-1-benzothio-pyrano[2,3-b]pyridin-5-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o730		6
166	Methyl 2-(N-ethyl-methane-sulfonamido)benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o389		6
165	5H-1-Benzothio-pyrano[2,3-b]pyridin-5-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o1704		6
164	6-Bromo-1-ethyl-1H-2,1-benzothia-zin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o393		6



163	Design, synthesis, structure activity relationship and molecular docking studies of thiophene-2-carboxamide Schiff base derivatives of benzohydrazide as novel acetylcholinesterase and butyrylcholinesterase inhibitors. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1244, 130983	3.4	6
162	Exploration of the Intriguing Photovoltaic Behavior for Fused Indacenodithiophene-Based A-D-A Conjugated Systems: A DFT Model Study.. <i>ACS Omega</i> , <b>2022</b> , 7, 11606-11617	3.9	6
161	Synthesis of Crystalline Fluoro-Functionalized Imines, Single Crystal Investigation, Hirshfeld Surface Analysis, and Theoretical Exploration.. <i>ACS Omega</i> , <b>2022</b> , 7, 9867-9878	3.9	6
160	2-(2-Iodo-benzenesulfonamido)acetic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o549		5
159	2-Benzene-sulfonamido-3-methyl-butyric acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2665		5
158	4-Iodo-benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o2188		5
157	Methyl (4-bromo-benzene-sulfonamido)acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o2380		5
156	Aggregational behaviour of promethazine hydrochloride and TX-45 surfactant mixtures: A multi-techniques approach. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117558	6	5
155	Synthesis and description of intermolecular interactions in new sulfonamide derivatives of tranexamic acid. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1103, 271-280	3.4	4
154	Synthesis and molecular structure of polymeric bis(N-methylthiourea- $\beta$ )bis(thiocyanato- $\eta$ )nickel(II), [Ni(Metu) <sub>2</sub> (NCS) <sub>2</sub> ] <sub>n</sub> ; DFT analysis of [Ni(Metu) <sub>2</sub> (NCS) <sub>2</sub> ] <sub>n</sub> and [Ni(Thiourea) <sub>2</sub> (NCS) <sub>2</sub> ] <sub>n</sub> . <i>Journal of Molecular Structure</i> , <b>2019</b> , 1189, 66-72	3.4	4
153	Synthesis, Crystal Structures and Cytotoxic Activity of New 1,3,4,5-tetrahydro-2H-1,5-benzodiazepine Derivatives. <i>Journal of Chemical Research</i> , <b>2015</b> , 39, 502-508	0.6	4
152	Efficient Green Synthesis of N <sup>?</sup> -Benzylidene-2-(2-Fluorobiphenyl) Propanehydrazides: Crystal Structure and Anti-Oxidant Potential. <i>Journal of Chemical Research</i> , <b>2015</b> , 39, 668-673	0.6	4
151	Methyl 2-ethyl-4-hydr-oxy-2H-1,2-benzo-thia-zine-3-carboxyl-ate 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1070		4
150	N-[Amino-(azido)-meth-ylidene]-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2140		4
149	4-Hydroxy-benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1764		4
148	Potassium 2-iodo-benzene-sulfonate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, m994		4
147	2-Chloro-5-(2-iodo-benzene-sulfonamido)-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o281		4
146	6-Bromo-3,3-dichloro-1-methyl-1H-2,1-benzothia-zin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1413		4

145	N-[4-(p-Toluenesulfonamido)phen-ylsulfon-yl]acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o299		4
144	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 1-13	1-3	4
143	Enriching NLO efficacy designing non-fullerene molecules with the modification of acceptor moieties into ICIF2F: an emerging theoretical approach.. <i>RSC Advances</i> , <b>2022</b> , 12, 13412-13427	3-7	4
142	Synthesis, spectroscopic (UV-Vis and GIAO NMR), crystallographic and theoretical studies of triazine heterocyclic derivatives. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1096, 29-37	3-4	3
141	Microwave Assisted Synthesis, Physicochemical, Photophysical, Single Crystal X-ray and DFT Studies of Novel Push-Pull Chromophores. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1585-93	2-4	3
140	Novel 4-[5-{4-[(2-Benzylidenehydrazine)Carbonyl]phenyl}-3-(Trifluoromethyl)-1H-Pyrazol-1-yl]Benzenesulfonamides: Synthesis, Crystal Structure, Anti-Inflammatory and Ulcerogenicity Studies. <i>Journal of Chemical Research</i> , <b>2014</b> , 10, 147-152		3
139	6-Bromo-4-hydrazinyl-idene-1-methyl-3H-2[1]-benzothia-zine-2,2-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2078		3
138	1-Azido-N'-(phenylsulfonyl)methan-imid-amide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2703		3
137	N-(2,3-Dihydro-1,4-benzodioxin-6-yl)-4-fluoro-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2433		3
136	4-Amino-3-bromo-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o640		3
135	1-(5-Hydr-oxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)ethanone: a new monoclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o330		3
134	Donor moieties with D-π framing modulated electronic and nonlinear optical properties for non-fullerene-based chromophores.. <i>RSC Advances</i> , <b>2022</b> , 12, 4209-4223	3-7	3
133	Sodium 2-iodo-benzene-sulfonate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, m1628		3
132	3,3-Dichloro-1-ethyl-1H-2,1-benzothia-zin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o430		3
131	4-Chloro-1-iodo-2-nitro-benzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o535		3
130	Methyl 5-bromo-2-[meth-yl(methyl-sulfon-yl)amino]benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o955		3
129	4-Phenyl-semicarbazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2360		3
128	N-(Phenyl-sulfon-yl)-l-asparagine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o3229		3



127	N-(p-Tolyl-sulfon-yl)-l-asparagine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o541		3
126	6-Bromo-1-methyl-1H-2,1-benzothia-zin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1182		3
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123	Structural chemistry and anticancer activity of new heteroleptic palladium(II) carbodithioates. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1225, 129058	3-4	3
122	Synthesis, structural, electrochemical, and spectroscopic studies of some (diimine)ruthenium nitrile complexes. <i>Journal of Coordination Chemistry</i> , <b>2015</b> , 68, 1476-1486	1.6	2
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120	Synthesis, structural properties, enzyme inhibition and molecular docking studies of (Z)-N-(1-allyl-2-oxoindolin-3-ylidene) methanesulfonyl-hydrazide and (Z)-N-(1-allyl-2-oxoindolin-3-ylidene)-3-nitrobenzenesulfonyl-hydrazide. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1221, 128888	3-4	2
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117	Crystal structure of a new silver(I) coordination polymer assembled from imidazolidine-2-thione (Imt), {[Ag2(Imt)3](NO3)2}n. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2019</b> , 74, 565-569	1	2
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114	N-Benzyl-N-ethyl-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2507		2
113	1-Propyl-1H-2,1-benzothiazin-4(3H)-one 2,2-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2839		2
112	4-(4-Bromo-benzene-sulfonamido)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1073		2
111	N-Acetyl-4-(benzene-sulfonamido)benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1180		2
110	N-Cyclo-hexyl-4-methoxy-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o885-6		2

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108	(2S)-3-(1H-Indol-3-yl)-2-(4-methyl-benzene-sulfonamido)-propionic acid monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2325	2
107	Methyl 2-butyl-4-hydroxy-1,1-dioxo-2H-1,2-benzothiazine-3-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1663	2
106	4-Methyl-2-(2-nitro-benzene-sulfon-amido)-penta-noic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2573	2
105	Ethyl (Z)-2-chloro-2-[2-(4-methoxy-phenyl)hydrazin-1-ylidene]acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3274	2
104	Methyl 4-hydroxy-2-propyl-2H-1,2-benzothiazine-3-carboxyl-ate 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o3025	2
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102	N-(4-Chloro-2-nitro-phen-yl)-N-(methyl-sulfon-yl)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o2092	2
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98	2-Bromo-4-nitro-aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o480	2
97	2-[(E)-3-Phenyl-prop-2-en-yl]-1,2-benzisothiazol-3(2H)-one 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1011	2
96	2-(Prop-2-en-yl)-1,2-benzisothiazol-3(2H)-one 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1236	2
95	2-(4-Bromo-benzene-sulfonamido)-2-phenyl-acetic acid monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1953-4	2
94	N'-(4-Bromo-phenyl-sulfon-yl)isonicotino-hydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1991	2
93	(2R)-2-Benzene-sulfonamido-2-phenyl-ethanoic acid: a new monoclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2436	2
92	N-Benzyl-N-cyclo-hexyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o3053	2

91	Methyl 2-benzyl-4-hydroxy-1,1-dioxo-1,2,3,4-tetrahydro-1H-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o1588-9		2
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89	Humidity Sensing Properties of Zinc Oxide-indigo Dye Nanocomposite. <i>Current Nanoscience</i> , <b>2016</b> , 12, 564-568	1.4	2
88	2-(4-Bromo-benzene-sulfonamido)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1610-1		2
87	N-Cyclo-hexyl-N-ethyl-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 66, o102		2
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84	Enzyme inhibition and antioxidant potential of new synthesized sulfonamides; synthesis, single crystal and molecular docking. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1241, 130608	3.4	2
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81	N-(2-Methoxy-phenyl)-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2976		1
80	1-Ammonio-naphthalene-2-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2505		1
79	N-(2-Bromo-phenyl)-4-methyl-N-(4-methyl-phenylsulfon-yl)benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2356		1
78	Methyl 4-hydroxy-2-isopropyl-1,1-dioxo-2H-1,2-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o1823-4		1
77	2-Ethyl-2,3-dihydro-1,2-benzothiazole-1,1,3-trione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o887		1
76	N'-[(E)-1-(4-Bromo-phenyl)ethylidene]-4-hydroxy-2-methyl-1,1-dioxo-2H-1,2-benzothiazine-3-carbohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2613		1
75	Methyl 4-hydroxy-1,1-dioxo-2-(2-phenylethyl)-2H-1H-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3445		1
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72	Methyl 2-(but-3-en-yl)-4-hydroxy-1,1-dioxo-2H-1[6],2-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1926		1
71	1-Ethyl-4-[1-(1-phenyl-ethyl-ylidene)hydrazin-2-yl-ylidene]-3,4-dihydro-1H-2[6],1-benzothiazine-2,2-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1927		1
70	2,5-Dichloro-N-(3-methyl-phen-yl)benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2476		1
69	2-(Methoxy-carbon-yl)anilinium dihydrogen phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1786		1
68	5-Benzene-sulfonamido-2-chloro-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o831		1
67	4-(2-Methoxy-benzyl-ylidene)-2-phenyl-1,3-oxazol-5(4H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o842		1
66	2-methanesulfonamidobenzoic Acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2453		1
65	2-(Naphthalene-2-sulfonamido)-3-phenyl-propanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o194		1
64	2-(3-Methyl-but-2-en-1-yl)-1,2-benzisothiazol-3(2H)-one 1,1-dioxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o986		1
63	Methyl 2-(benzene-sulfonamido)acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1204		1
62	3-Methoxy-benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2473		1
61	N-Benzyl-N-cyclo-hexyl-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o3109		1
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