

# Moazzam Hussain Bhatti

## List of Publications by Year in descending order

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69  
papers

1,053  
citations

430874

18  
h-index

434195

31  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1035  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Pt-M bimetallic nanoparticles (M = Ni, Cu, Er) supported on metal organic framework-derived N-doped nanostructured carbon for hydrogen evolution and oxygen evolution reaction. <i>Journal of Power Sources</i> , 2018, 402, 34-42.  | 7.8  | 97        |
| 2  | Highly active sites of Pt/Er dispersed N-doped hierarchical porous carbon for trifunctional electrocatalyst. <i>Chemical Engineering Journal</i> , 2021, 409, 128205.  | 12.7 | 94        |
| 3  | Pt-Ni@PC900 Hybrid Derived from Layered-Structure Cd-MOF for Fuel Cell ORR Activity. <i>ACS Omega</i> , 2020, 5, 2123-2132.  | 3.5  | 67        |
| 4  | Chloro-diorganotin(IV) complexes of 4-methyl-1-piperidine carbodithioic acid: Synthesis, X-ray crystal structures, spectral properties and antimicrobial studies. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1797-1802.   | 1.8  | 58        |
| 5  | Synthesis, crystal structure, DNA binding and in vitro biological studies of Ni(II), Cu(II) and Zn(II) complexes of N-phthaloylglycine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 228-239.   | 3.8  | 43        |
| 6  | Organotin esterification of (E)-3-(3-fluoro-phenyl)-2-(4-chlorophenyl)-2-propenoic acid: synthesis, spectroscopic characterization and in vitro biological activities. Crystal structure of [Ph <sub>3</sub> Sn(OC(O)C(4-ClC <sub>6</sub> H <sub>4</sub> )=CH(3-FC <sub>6</sub> H <sub>4</sub> ))]. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1396-1408. | 1.8  | 42        |
| 7  | Isoniazid cocrystals with anti-oxidant hydroxy benzoic acids. <i>Journal of Molecular Structure</i> , 2014, 1076, 446-452.   | 3.6  | 40        |
| 8  | Synthesis, photochemical and electrochemical studies on triphenyltin(IV) derivative of (Z)-4-(4-cyanophenylamino)-4-oxobut-2-enoic acid for its binding with DNA: Biological interpretation. <i>Arabian Journal of Chemistry</i> , 2016, 9, 451-462.   | 4.9  | 35        |
| 9  | In vitro biological studies and structural elucidation of organotin(IV) derivatives of 6-nitropiperonylic acid: Crystal structure of [(CH <sub>2</sub> O <sub>2</sub> C <sub>6</sub> H <sub>2</sub> (o-NO <sub>2</sub> )COO)SnBu <sub>2</sub> ] <sub>2</sub> O. <i>Polyhedron</i> , 2010, 29, 613-619.   | 2.2  | 34        |
| 10 | Electrochemical and spectroscopic investigations of carboxylic acid ligand and its triorganotin complexes for their binding with ds.DNA: In vitro biological studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 70-82.   | 3.8  | 33        |
| 11 | Carboxylate derivatives of tributyltin (IV) complexes as anticancer and antileishmanial agents. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2017, 25, 8.   | 2.0  | 30        |
| 12 | Cobalt sulfide nanoparticles: Synthesis, water splitting and supercapacitance studies. <i>Materials Science in Semiconductor Processing</i> , 2020, 109, 104925.   | 4.0  | 29        |
| 13 | Reactivity of some poly-1-alkynylsilicon and -tin compounds towards triallylborane routes to novel heterocycles. <i>Journal of Organometallic Chemistry</i> , 2002, 657, 146-154.  | 1.8  | 28        |
| 14 | Synthesis, Spectroscopic Characterization and Biological Studies of Organotin Derivatives of 2-(2,6-dichlorophenyl)aminophenylacetic acid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2000, 30, 1715-1729.  | 1.8  | 27        |
| 15 | Synthesis, characterization, solubility and stability studies of hydrate cocrystal of antitubercular Isoniazid with antioxidant and anti-bacterial Protocatechuic acid. <i>Journal of Molecular Structure</i> , 2016, 1117, 17-21.   | 3.6  | 26        |
| 16 | Combination of 1,2-hydroboration and 1,1-organoboration: synthesis of novel organo-substituted 1-silacyclobutenes. <i>Applied Organometallic Chemistry</i> , 2003, 17, 465-472.  | 3.5  | 24        |
| 17 | SYNTHESIS, SPECTROSCOPIC CHARACTERIZATION, AND BIOLOGICAL APPLICATIONS OF ORGANOTIN(IV) DERIVATIVES OF 2-(N-MALEOYL)-3-PHENYLPROPANOIC ACID. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2002, 32, 1521-1536.  | 1.8  | 20        |
| 18 | Synthesis, Characterization, and Biological Activity of n-Tributyltin Derivatives of Pharmaceutically Active Carboxylates. <i>Monatshefte für Chemie</i> , 2002, 133, 1089-1096.   | 1.8  | 20        |

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|----|--|-----|-----------|
| 19 | Targeted drug delivery systems: synthesis and in vitro bioactivity and apoptosis studies of gemcitabine-carbon dot conjugates. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 065004.   | 3.3 | 16        |
| 20 | Hydroboration of alkyn-1-yl(methyl)silanes bearing functional substituents at silicon. <i>Journal of Organometallic Chemistry</i> , 2003, 669, 72-78.  | 1.8 | 15        |
| 21 | Structural, spectroscopic, nonlinear optical and electronic properties of calcium N-phthaloylglycinate: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2016, 1125, 315-322.  | 3.6 | 15        |
| 22 | Ethyl 4-(3-benzoylthioureido)benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1485-o1485.  | 0.2 | 15        |
| 23 | Ethyl 4-(3-butyrylthioureido)benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1369-o1369.  | 0.2 | 14        |
| 24 | Synthesis and theoretical studies of non- $\pi$ -covalent interactions within a newly synthesized chiral 1,2,4-triazolo[3,4-b][1,3,4]thiadiazine. <i>Journal of Molecular Structure</i> , 2017, 1130, 688-698.   | 3.6 | 14        |
| 25 | Post synthetically modified compounds of Cd-MOF by l-amino acids for luminescent applications. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121320.  | 2.9 | 14        |
| 26 | Structure-property relationship of 3-(N-phthalimidomethyl)-4-amino-1,2,4-triazole-5-thione: A structural, spectroscopic and DFT study. <i>Journal of Molecular Structure</i> , 2017, 1133, 329-337.  | 3.6 | 13        |
| 27 | Crystal structure, spectroscopic, electronic, luminescent and nonlinear optical properties of (S)-4-Amino-5-(1-hydroxy-ethyl)-2,4-dihydro-[1,2,4]triazole-3-thione: A combined experimental and DFT study. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 218-226. | 4.0 | 12        |
| 28 | Synthesis and comprehensive structural studies of a novel amide based carboxylic acid derivative: Non- $\pi$ -covalent interactions. <i>Journal of Molecular Structure</i> , 2017, 1133, 499-509.  | 3.6 | 12        |
| 29 | 1,1-Vinylboration and 1,1-Ethylboration of Di(alkyn-1-yl)silanes: Synthesis of New Siloles. <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 822-830.   | 1.0 | 11        |
| 30 | 1,1-Organoboration of bis(trimethylstannyl)ethyne with trimethylsilyl- and dimethylsilyl-dialkylboryl-substituted alkenes: organometallic-substituted allenes. <i>Applied Organometallic Chemistry</i> , 2003, 17, 843-850.  | 3.5 | 11        |
| 31 | Synthesis, Characterization, and Biological Activity of Novel Schiff and Mannich Bases of 4-Amino-3-(N-phthalimidomethyl)-1,2,4-triazole-5-thione. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.  | 1.9 | 11        |
| 32 | Novel cocrystal of N-phthaloyl-L-alanine with 2,2'-bipyridyl: Synthesis, computational and free radical scavenging activity studies. <i>Journal of Molecular Structure</i> , 2018, 1152, 1-10.   | 3.6 | 10        |
| 33 | Chlorodiphenyltin(IV) and triphenyltin(IV) complexes of N-alkylated 2-amino-1-cyclopentene-1-carbodithioic acids: synthesis, spectroscopic characterization and X-ray studies. <i>Structural Chemistry</i> , 2008, 19, 777-784.  | 2.0 | 9         |
| 34 | 1-(1,3-Benzothiazol-2-yl)-3-benzoylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o20-o20.  | 0.2 | 9         |
| 35 | [4+2]Cycloadditions of organometallic-substituted siloles with dimethyl acetylenedicarboxylate and tetracyanoethylene. <i>Journal of Organometallic Chemistry</i> , 2003, 665, 196-204.  | 1.8 | 8         |
| 36 | catena-Poly[[tri-n-butyltin]- $\frac{1}{4}$ -N-(1-naphthyl)maleamato]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m334-m335.  | 0.4 | 7         |

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|----|--|-----|-----------|
| 37 | Hydroboration of Bis(Trimethylsilyl)Ethyne. New Aspects of Hydroboration. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 133-138.  | 0.7 | 7         |
| 38 | 1-(4-Acetylphenyl)-3-butyrylthiourea. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1566-o1566.   | 0.2 | 7         |
| 39 | Synthesis and characterization of unique new lithium, sodium and potassium coordination polymers. Inorganica Chimica Acta, 2018, 479, 179-188.   | 2.4 | 7         |
| 40 | A Facile Synthesis of Organotin(IV) Carboxylates: Application as Single Source Precursor for Deposition of Tin Oxide Thin Films and Evaluation of Biological Activities. ChemistrySelect, 2018, 3, 10325-10332.              | 1.5 | 6         |
| 41 | 2-Phenyl-4H-thiazolo[3,2-a][1,3,5]triazine-4-thione. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3690-o3690.  | 0.2 | 5         |
| 42 | 2-(4-Amino-5-thioxo-4,5-dihydro-1H-1,2,4-triazol-3-ylmethyl)isoindoline-1,3-dione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o476-o477.  | 0.2 | 5         |
| 43 | Synthesis, structural elucidation and biological activities of organotin(IV) derivatives of (E)-3-(4-methoxyphenyl)-2-(4-chlorophenyl)-2-propenoic acid. Journal of the Iranian Chemical Society, 2012, 9, 35-45.            | 2.2 | 5         |
| 44 | Synthesis, spectroscopic characterisation and X-ray analysis of regioisomeric 1,3,5-trisubstituted pyrazoles. Journal of Molecular Structure, 2011, 995, 173-180.  | 3.6 | 4         |
| 45 | Crystal structure, thermal, luminescent and terahertz time domain spectroscopy of magnesium N-phthaloyl- $\beta$ -alaninate: A combined experimental and theoretical study. Journal of Molecular Structure, 2018, 1170, 1-8. | 3.6 | 4         |
| 46 | Crystalline network study of new N-phthaloyl- $\beta$ -Alanine with benzimidazole, cocrystal: Computational consideration & free radical scavenging activity. Journal of Molecular Structure, 2019, 1191, 225-236.           | 3.6 | 4         |
| 47 | Polymeric [2-(N-maleoyl)-2-methylpropionato]trimethyltin(IV). Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m554-m556.   | 0.2 | 3         |
| 48 | Difluorovanadium(IV) dicarboxylates: Coordination behavior and biological activity. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2007, 33, 576-581.  | 1.0 | 3         |
| 49 | 2-Propyl-4H-thiazolo[3,2-a][1,3,5]triazine-4-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o722-o722.  | 0.2 | 3         |
| 50 | Isoniazid-Gentisic acid cocrystallization: Solubility, Stability, Dissolution rate, Antioxidant and Flowability Properties Studies. Journal of Molecular Structure, 2021, 1226, 129388.                                      | 3.6 | 3         |
| 51 | Structural characterization and in-situ synthesis of quaternary ionic-cocrystal of isoniazid from un-ionized cofomers. Journal of Molecular Structure, 2021, 1233, 130015.   | 3.6 | 3         |
| 52 | Pharmaceutical organic salt: Disordered crystal structure of levofloxacin with $\beta$ -resorcylic acid. European Journal of Chemistry, 2021, 12, 323-328.   | 0.6 | 3         |
| 53 | catena-Poly[[trimethyltin(IV)]- $\frac{1}{4}$ -(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-3-phenylpropionato- $\beta$ 2O:O $\times$ 2]. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m190-m192.         | 0.2 | 2         |
| 54 | Synthesis and Crystal Structure of Bis(3,4-methylenedioxybenzoyl)-diethyltin(IV). Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X165-X166.   | 0.1 | 2         |

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|----|--|-----|-----------|
| 55 | Ethyl 2-[3-(3,5-Dinitrobenzoyl)thioureido]benzoate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1114-o1114.   | 0.2 | 2         |
| 56 | The 1:1 adduct of caffeine and 2-(1,3-dioxoisindolin-2-yl)acetic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2240-o2240.  | 0.2 | 2         |
| 57 | Caffeine $\hat{c}$ N-phthaloyl- $\hat{c}$ alanine (1/1). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1888-o1888.  | 0.2 | 2         |
| 58 | catena-Poly[[triphenyltin(IV)] $\hat{c}$ 1/4-N-(4-acetylphenyl)maleamato]. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m427-m427.  | 0.2 | 2         |
| 59 | 2-[2-(1,3-Dioxoisindolin-2-yl)acetamido]acetic acid. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o2969-o2969.  | 0.2 | 1         |
| 60 | catena-Poly[[triphenyltin(IV)] $\hat{c}$ 1/4-2-(cyclohexylaminocarbonyl)benzoato- $\hat{c}$ 2O1:O2]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m931-m931.  | 0.2 | 1         |
| 61 | Synthesis, crystal structure and NLO study of two new versatile Ca (II) complexes. Applied Organometallic Chemistry, 2018, 32, e4564.  | 3.5 | 1         |
| 62 | Synthesis of novel organotin(IV) complex for multiple applications: as biologically potent and single molecular precursor. Journal of the Iranian Chemical Society, 2021, 18, 307-315.   | 2.2 | 1         |
| 63 | <i>N</i> -(Thiazol-2-yl)acetamide. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1516-o1516.  | 0.2 | 1         |
| 64 | N-(Benzothiazol-2-yl)butyramide. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1486-o1486.  | 0.2 | 1         |
| 65 | Crystal Structure of 2-Phenyl-5-anilino-1,3,4-oxadiazole. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X75-X76.   | 0.1 | 0         |
| 66 | [2-(Butylamino)cyclopent-1-ene-1-carbodithioato]chlorodiphenyltin(IV). Corrigendum. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, e5-e5.   | 0.2 | 0         |
| 67 | catena-Poly[[triphenyltin(IV)] $\hat{c}$ 1/2-[3-(cyclohexylcarbamoyl)propanoato- $\hat{c}$ 2O1:O3]]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1266-m1267.  | 0.2 | 0         |
| 68 | catena-Poly[[diaquacalcium]bis[ $\hat{c}$ 1/4-2-(1,3-dioxoisindolin-2-yl)acetato]- $\hat{c}$ 3O, O $\hat{c}$ 2:O; $\hat{c}$ 3O:O, O $\hat{c}$ 2]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1102-m1103. | 0.2 | 0         |
| 69 | Development of biodegradable thin films for efficient, specific and controlled delivery of capecitabine. Biomedical Materials (Bristol), 2021, 16, 055019.   | 3.3 | 0         |