

# Abdul Ajees Abdul Salam

## List of Publications by Citations

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50  
papers

613  
citations

15  
h-index

24  
g-index

53  
ext. papers

718  
ext. citations

3.6  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
50	Structure of an As(III) S-adenosylmethionine methyltransferase: insights into the mechanism of arsenic biotransformation. <i>Biochemistry</i> , <b>2012</b> , 51, 5476-85	3.2	85
49	Life and death with arsenic. Arsenic life: an analysis of the recent report "A bacterium that can grow by using arsenic instead of phosphorus". <i>BioEssays</i> , <b>2011</b> , 33, 350-7	4.1	57
48	Some new indole-coumarin hybrids; Synthesis, anticancer and Bcl-2 docking studies. <i>Bioorganic Chemistry</i> , <b>2015</b> , 63, 101-9	5.1	39
47	Trivalent arsenicals and glucose use different translocation pathways in mammalian GLUT1. <i>Metallomics</i> , <b>2010</b> , 2, 211-9	4.5	38
46	Adventitious arsenate reductase activity of the catalytic domain of the human Cdc25B and Cdc25C phosphatases. <i>Biochemistry</i> , <b>2010</b> , 49, 802-9	3.2	31
45	As(III) S-adenosylmethionine methyltransferases and other arsenic binding proteins. <i>Geomicrobiology Journal</i> , <b>2015</b> , 32, 570-576	2.5	29
44	Indole-coumarin-thiadiazole hybrids: An appraisal of their MCF-7 cell growth inhibition, apoptotic, antimetastatic and computational Bcl-2 binding potential. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 136, 442-451	6.8	28
43	A disulfide-bond cascade mechanism for arsenic(III) S-adenosylmethionine methyltransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2015</b> , 71, 505-15		28
42	Influenza virus neuraminidase (NA): a target for antivirals and vaccines. <i>Archives of Virology</i> , <b>2016</b> , 161, 2087-94	2.6	27
41	The ArsD As(III) metallochaperone. <i>BioMetals</i> , <b>2011</b> , 24, 391-9	3.4	26
40	The role of alanine 163 in solute permeability of Leishmania major aquaglyceroporin LmAQP1. <i>Molecular and Biochemical Parasitology</i> , <b>2011</b> , 175, 83-90	1.9	24
39	Genetic mapping of the interface between the ArsD metallochaperone and the ArsA ATPase. <i>Molecular Microbiology</i> , <b>2011</b> , 79, 872-81	4.1	20
38	Synthesis of indolequinolinequinoxalines: their anticancer potential and computational tubulin binding studies. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 5899-5914	2.8	17
37	The 1.4 Å crystal structure of the ArsD arsenic metallochaperone provides insights into its interaction with the ArsA ATPase. <i>Biochemistry</i> , <b>2010</b> , 49, 5206-12	3.2	17
36	Culinary spice bioactives as potential therapeutics against SARS-CoV-2: Computational investigation. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 128, 104102	7	16
35	Crystallization and preliminary X-ray crystallographic analysis of the ArsM arsenic(III) S-adenosylmethionine methyltransferase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2010</b> , 66, 1050-2		15
34	Homology Modeling and Docking Studies of Bcl-2 and Bcl-xL with Small Molecule Inhibitors: Identification and Functional Studies. <i>Current Topics in Medicinal Chemistry</i> , <b>2018</b> , 18, 2633-2663	3	15

33	Synthesis, anticancer, structural, and computational docking studies of 3-benzylchroman-4-one derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 5284-5290	2.9	13
32	HIV Subtypes B and C gp120 and Methamphetamine Interaction: Dopaminergic System Implicates Differential Neuronal Toxicity. <i>Scientific Reports</i> , <b>2015</b> , 5, 11130	4.9	12
31	Puckering behavior in six new phosphoric triamides containing aliphatic six- and seven-membered ring groups and a database survey of analogous ring-containing structures. <i>Tetrahedron</i> , <b>2018</b> , 74, 28-41	2.4	10
30	Traditional medicinal plants against replication, maturation and transmission targets of SARS-CoV-2: computational investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-18	3.6	9
29	Highly fluorescent materials derived from ortho-vanillin: Structural, photophysical electrochemical and theoretical studies. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 792-806	6	7
28	Role of signature lysines in the deviant walker motifs of the ArsA ATPase. <i>Biochemistry</i> , <b>2010</b> , 49, 356-642	4	5
27	Small and Macromolecules Crystallization Induced by Focused Ultrafast Laser <b>2015</b> , 81,		5
26	Promising phytochemicals of traditional Himalayan medicinal plants against putative replication and transmission targets of SARS-CoV-2 by computational investigation. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 133, 104383	7	5
25	Genetic analysis of neuraminidase gene of influenza A(H1N1)pdm09 virus circulating in Southwest India from 2009 to 2012. <i>Journal of Medical Virology</i> , <b>2017</b> , 89, 202-212	19.7	4
24	Molecular characterization of neuraminidase genes of influenza A(H3N2) viruses circulating in Southwest India from 2009 to 2013. <i>Archives of Virology</i> , <b>2017</b> , 162, 1887-1902	2.6	3
23	Structural analysis of chalcone derivative: 2-{4-[(2E)-3-(4-fluorophenyl)prop-2-enoyl]phenoxy}acetic acid hydrate. <i>Chemical Data Collections</i> , <b>2017</b> , 9-10, 61-67	2.1	3
22	Effect of nucleants in photothermally assisted crystallization. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 870-882	4.2	3
21	Crystal and Molecular Structure of Desmodin. <i>Crystal Research and Technology</i> , <b>2000</b> , 35, 1117-1123	1.3	3
20	Conformational flexibility in amidophosphoesters: a CSD analysis completed with two new crystal structures of (CHO)P(O)X [X = NHCH and N(CHCH)]. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2020</b> , 76, 104-116	0.8	3
19	Effect of biocompatible nucleants in rapid crystallization of natural amino acids using a CW Nd:YAG laser. <i>Scientific Reports</i> , <b>2018</b> , 8, 16018	4.9	3
18	Strong Strand Breaks in DNA Induced by Thermal Energy Particles and Their Electrostatic Inhibition by Na Nanostructures. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 3241-3247	2.8	2
17	Conformational analysis of two new organotin(IV) structures completed with a CSD survey. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2021</b> , 77, 68-80	0.8	2
16	Antiviral drug research for Japanese encephalitis: an updated review.. <i>Pharmacological Reports</i> , <b>2022</b> , 74, 273-296	3.9	2

15	Efficient T3P mediated synthesis, differential cytotoxicity and apoptosis induction by indolo-triazolo-thiadiazoles in human breast adenocarcinoma cells. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 268, 53-67	5	1
14	Dicyclohexylammonium O,O-Diphenyl Phosphate, [(C <sub>6</sub> H <sub>11</sub> ) <sub>2</sub> NH <sub>2</sub> ][(C <sub>6</sub> H <sub>5</sub> O) <sub>2</sub> P(O)(O)]: Spectroscopic Study, Crystal Structure, and Hirshfeld Surface Analysis. <i>MolBank</i> , <b>2019</b> , 2019, M1051	0.5	1
13	Thermal Energy Electrons and OH-Radicals Induce Strand Breaks in DNA in an Aqueous Environment: Some Salts Offer Protection Against Strand Breaks. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 1508-1514	2.8	1
12	Bisindole-oxadiazole hybrids, T3P -mediated synthesis, and appraisal of their apoptotic, antimetastatic, and computational Bcl-2 binding potential. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21962	3.4	1
11	Mutations in the ArsA ATPase that restore interaction with the ArsD metallochaperone. <i>BioMetals</i> , <b>2014</b> , 27, 1263-75	3.4	1
10	New salicylaldehyde azine esters: Structural, aggregation induced fluorescence, electrochemical and theoretical studies. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 318, 114029	6	1
9	Mesomorphism in H-bonded binary mixtures of guanazole with nonyloxy benzoic acid. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116202	6	1
8	Synthesis, anticancer and molecular docking studies of new class of benzoisoxazolyl-piperidinyl-1, 2, 3-triazoles. <i>Journal of King Saud University - Science</i> , <b>2020</b> , 32, 3286-3292	3.6	0
7	Structural, CSD, and computational studies of 6b, 11b-Dihydroxy-6b, 11-b-dihydro-7H-indeno[1,2-b]naphtho[2,1-d]furan-7-one, a therapeutic potential small molecule. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1240, 130600	3.4	0
6	Structural studies of the ArsD arsenic metallochaperone using molecular dynamics. <i>Journal of Computational Methods in Sciences and Engineering</i> , <b>2017</b> , 17, 227-233	0.3	
5	In-silico studies on the protein-protein interactions between human Cdc25 and glutaredoxin. <i>Journal of Computational Methods in Sciences and Engineering</i> , <b>2017</b> , 17, 235-242	0.3	
4	Structural studies of the S-adenosyl-L-methionine binding proteins. <i>Journal of Computational Methods in Sciences and Engineering</i> , <b>2017</b> , 17, 283-287	0.3	
3	2-(exo-tricyclo[5.2.1.0(2,6)]deca-4,8-dien-3-endo-yl)acetaldehyde 2,4-dinitrophenylhydrazone. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2002</b> , 58, o433-5		
2	6,7-Dihydrodibenzo[e,g]azulen-8(5H)-one and 12,13-dihydrobenzo[e]naphth[2,1-g]azulen-14(11H)-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2000</b> , 56 ( Pt 7), 824-6		
1	Effect of OH substitution in 3-benzylchroman-4-ones: crystallographic, CSD, DFT, FTIR, Hirshfeld surface, and energy framework analysis.. <i>RSC Advances</i> , <b>2021</b> , 11, 20123-20136	3.7	