

# Mohammad Abdulkader Akbarsha

## List of Publications by Year in descending order

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119  
papers

3,783  
citations

159585

30  
h-index

144013

57  
g-index

121  
all docs

121  
docs citations

121  
times ranked

4907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-Ligand Copper(II)-phenolate Complexes: Effect of Coligand on Enhanced DNA and Protein Binding, DNA Cleavage, and Anticancer Activity. <i>Inorganic Chemistry</i> , 2007, 46, 8208-8221.	4.0	543
2	Induction of Cell Death by Ternary Copper(II) Complexes of <i>L</i> -Tyrosine and Diimines: Role of Coligands on DNA Binding and Cleavage and Anticancer Activity. <i>Inorganic Chemistry</i> , 2009, 48, 1309-1322.	4.0	239
3	Ternary Dinuclear Copper(II) Complexes of a Hydroxybenzamide Ligand with Diimine Coligands: the 5,6-dmp Ligand Enhances DNA Binding and Cleavage and Induces Apoptosis. <i>Inorganic Chemistry</i> , 2011, 50, 6458-6471.	4.0	184
4	Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga <i>Chlorella</i> sp., BUM11008: Evaluation for biodiesel production. <i>Biomass and Bioenergy</i> , 2012, 37, 60-66.	5.7	164
5	Non-covalent DNA binding and cytotoxicity of certain mixed-ligand ruthenium(II) complexes of 2,2'-dipyridylamine and diimines. <i>Dalton Transactions</i> , 2008, , 2157.	3.3	142
6	Chronic chromium exposure-induced changes in testicular histoarchitecture are associated with oxidative stress: study in a non-human primate ( <i>Macaca radiata</i> Geoffroy). <i>Human Reproduction</i> , 2005, 20, 2801-2813.	0.9	97
7	Surfactant-cobalt(III) complexes: Synthesis, critical micelle concentration (CMC) determination, DNA binding, antimicrobial and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 117-127.	3.5	92
8	Mixed ligand copper(II) complexes of 1,10-phenanthroline with tridentate phenolate/pyridyl/(benz)imidazolyl Schiff base ligands: Covalent vs non-covalent DNA binding, DNA cleavage and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 255-268.	3.5	89
9	A Trinuclear Zinc-Schiff Base Complex: Biocatalytic Activity and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3350-3358.	2.0	89
10	Hepatotoxic effect of ochratoxin A and citrinin, alone and in combination, and protective effect of vitamin E: In vitro study in HepG2 cell. <i>Food and Chemical Toxicology</i> , 2015, 83, 151-163.	3.6	85
11	Spermatotoxic effect of aflatoxin B1 in the albino mouse. <i>Food and Chemical Toxicology</i> , 2003, 41, 119-130.	3.6	75
12	Mixed ligand copper(II) complexes of 2,9-dimethyl-1,10-phenanthroline: Tridentate 3N primary ligands determine DNA binding and cleavage and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 202-212.	3.5	74
13	DNA and protein binding, double-strand DNA cleavage and cytotoxicity of mixed ligand copper(II) complexes of the antibacterial drug nalidixic acid. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 1-13.	3.5	69
14	Biomolecular Interaction, Anti-Cancer and Anti-Angiogenic Properties of Cobalt(III) Schiff Base Complexes. <i>Scientific Reports</i> , 2019, 9, 2721.	3.3	65
15	Role of hesperetin (a natural flavonoid) and its analogue on apoptosis in HT-29 human colon adenocarcinoma cell line - A comparative study. <i>Food and Chemical Toxicology</i> , 2012, 50, 660-671.	3.6	64
16	In vivo protective effect of dietary curcumin in fish <i>Anabas testudineus</i> (Bloch). <i>Fish Physiology and Biochemistry</i> , 2012, 38, 309-318.	2.3	61
17	Surfactant-copper(II) Schiff base complexes: synthesis, structural investigation, DNA interaction, docking studies, and cytotoxic activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 877-891.	3.5	58
18	DNA binding and biological studies of some novel water-soluble polymer-copper(II)-phenanthroline complexes. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2082-2091.	5.5	52

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19	Ecotoxicological assessment of cobalt using Hydra model: ROS, oxidative stress, DNA damage, cell cycle arrest, and apoptosis as mechanisms of toxicity. <i>Environmental Pollution</i> , 2017, 224, 54-69.	7.5	46
20	Heteroleptic Copper(I) Complexes of $\alpha$ -Scorpionate-Bis-pyrazolyl Carboxylate Ligand with Auxiliary Phosphine as Potential Anticancer Agents: An Insight into Cytotoxic Mode. <i>Scientific Reports</i> , 2017, 7, 45229.	3.3	42
21	Synthesis, DNA binding and antitumor activities of some novel polymer-cobalt(III) complexes containing 1,10-phenanthroline ligand. <i>Polyhedron</i> , 2008, 27, 1111-1120.	2.2	41
22	Design of a mononuclear copper(II)-phenanthroline complex: Catechol oxidation, DNA cleavage and antitumor properties. <i>Polyhedron</i> , 2016, 106, 106-114.	2.2	41
23	Synthesis, structures, and DNA and protein binding of ruthenium( $\text{II}$ )- <i>p</i> -cymene complexes of substituted pyridylimidazo[1,5-a]pyridine: enhanced cytotoxicity of complexes of ligands appended with a carbazole moiety. <i>RSC Advances</i> , 2016, 6, 114143-114158.	3.6	38
24	In situ allicin generation using targeted alliinase delivery for inhibition of MIA PaCa-2 cells via epigenetic changes, oxidative stress and cyclin-dependent kinase inhibitor (CDKI) expression. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 1388-1409.	4.9	37
25	[Ru(phen) <sub>2</sub> (dppz)] <sup>2+</sup> as an efficient optical probe for staining nuclear components. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 217-220.	3.5	35
26	In vitro antiproliferative and apoptosis-inducing properties of a mononuclear copper(II) complex with dppz ligand, in two genotypically different breast cancer cell lines. <i>BioMetals</i> , 2015, 28, 929-943.	4.1	34
27	Aflatoxin treatment brings about generation of multinucleate giant spermatids (symplasts) through opening of cytoplasmic bridges: Light and transmission electron microscopic study in Swiss mouse. <i>Reproductive Toxicology</i> , 2007, 24, 403-408.	2.9	33
28	Antiproliferative and apoptosis-induction studies of a metallosurfactant in human breast cancer cell MCF-7. <i>RSC Advances</i> , 2014, 4, 49953-49959.	3.6	32
29	ROS dependent copper toxicity in Hydra -biochemical and molecular study. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 185-186, 1-12.	2.6	32
30	A multifunctional molecular entity Cu <sup>II</sup> -Sn <sup>IV</sup> heterobimetallic complex as a potential cancer chemotherapeutic agent: DNA binding/cleavage, SOD mimetic, topoisomerase I± inhibitory and in vitro cytotoxic activities. <i>RSC Advances</i> , 2015, 5, 47439-47450.	3.6	31
31	DNA/RNA binding and anticancer/antimicrobial activities of polymer-copper(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 23-31.	3.9	30
32	Synthesis, DNA and BSA binding, <i>in vitro</i> anti-proliferative and <i>in vivo</i> anti-angiogenic properties of some cobalt( $\text{III}$ ) Schiff base complexes. <i>New Journal of Chemistry</i> , 2019, 43, 11391-11407.	2.8	30
33	New [Ru(5,6-dmp/3,4,7,8-tmp) <sub>2</sub> (diimine)] <sup>2+</sup> complexes: Non-covalent DNA and protein binding, anticancer activity and fluorescent probes for nuclear and protein components. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 151-162.	3.5	29
34	Hydra as a model organism to decipher the toxic effects of copper oxide nanorod: Eco-toxicogenomics approach. <i>Scientific Reports</i> , 2016, 6, 29663.	3.3	29
35	Protein binding and biological evaluation of a polymer-anchored cobalt( $\text{III}$ ) complex containing a 2,2'-bipyridine ligand. <i>RSC Advances</i> , 2014, 4, 57483-57492.	3.6	28
36	Polyethyleneimine anchored copper(II) complexes: Synthesis, characterization, in vitro DNA binding studies and cytotoxicity studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 59-67.	3.8	27

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37	Recognition of self-assembled water-nitrate cluster in a Co(III)-2,2'-bipyridine host: Synthesis, X-ray structure, DNA cleavage, molecular docking and anticancer activity. <i>Journal of Chemical Sciences</i> , 2016, 128, 1755-1764.	1.5	27
38	Verrucaric acid induces apoptosis through ROS-mediated EGFR/MAPK/Akt signaling pathways in MDA-MB-231 breast cancer cells. <i>Journal of Cellular Biochemistry</i> , 2014, 115, n/a-n/a.	2.6	26
39	In vitro antibacterial activity of MGDG-palmitoyl from <i>Oscillatoria acuminata</i> NTAPC05 against extended-spectrum $\beta$ -lactamase producers. <i>Journal of Antibiotics</i> , 2017, 70, 754-762.	2.0	26
40	Male reproductive toxicity of Cr(VI): In-utero exposure to Cr(VI) at the critical window of testis differentiation represses the expression of Sertoli cell tight junction proteins and hormone receptors in adult F1 progeny rats. <i>Reproductive Toxicology</i> , 2017, 69, 84-98.	2.9	23
41	Synthesis and bio-catalytic activity of isostructural cobalt(III)-phenanthroline complexes. <i>Journal of Chemical Sciences</i> , 2015, 127, 649-661.	1.5	22
42	Protective effect of dietary curcumin in <i>Anabas testudineus</i> (Bloch) with a special note on DNA fragmentation assay on hepatocytes and micronucleus assay on erythrocytes in vivo. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 1323-1330.	2.3	21
43	Multi-functional nano silver: A novel disruptive and theranostic agent for pathogenic organisms in real-time. <i>Scientific Reports</i> , 2016, 6, 34058.	3.3	21
44	Molecular mechanisms of tributyltin(II)-induced alterations in cholesterol homeostasis and steroidogenesis in hamster testis: In vivo and in vitro studies. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4021-4037.	2.6	21
45	Curative property of <i>Withania somnifera</i> Dunal root in the context of carbendazim-induced histopathological changes in the liver and kidney of rat. <i>Phytomedicine</i> , 2000, 7, 499-507.	5.3	20
46	In vivo spermatotoxic effect of chromium as reflected in the epididymal epithelial principal cells, basal cells, and intraepithelial macrophages of a nonhuman primate ( <i>Macaca radiata</i> Geoffroy). <i>Fertility and Sterility</i> , 2006, 86, 1097-1105.	1.0	20
47	Efferent ductules of the fan-throated lizard <i>Sitana ponticeriana</i> Cuvier: light and transmission electron microscopy study. <i>Acta Zoologica</i> , 2007, 88, 265-274.	0.8	20
48	Induction of meiotic micronuclei in spermatocytes in vivo by aflatoxin B1: Light and transmission electron microscopic study in Swiss mouse. <i>Reproductive Toxicology</i> , 2008, 26, 303-309.	2.9	19
49	Buffalo Cervico-Vaginal Fluid Proteomics with Special Reference to Estrous Cycle: Heat Shock Protein (Hsp)-70 Appears to Be an Estrus Indicator. <i>Biology of Reproduction</i> , 2014, 90, 97.	2.7	19
50	Potential application of two cobalt (III) Schiff base complexes in cancer chemotherapy: Leads from a study using breast and lung cancer cells. <i>Toxicology in Vitro</i> , 2021, 75, 105201.	2.4	19
51	Antiproliferative property of n-hexane and chloroform extracts of <i>Anisomeles malabarica</i> (L). R. Br. in HPV16-positive human cervical cancer cells. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2012, 3, 26-34.	0.4	18
52	Doxorubicin-Anchored Curcumin Nanoparticles for Multimode Cancer Treatment against Human Liver Carcinoma Cells. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 1028-1042.	2.3	18
53	Stages in spermatogenesis of two species of caecilians, <i>Ichthyophis tricolor</i> and <i>Uraeotyphlus</i> cf. <i>narayani</i> (Amphibia: Gymnophiona): Light and electron microscopic study. <i>Journal of Morphology</i> , 2004, 261, 92-104.	1.2	17
54	Ultrastructural evidence for secretion from the epithelium of ampulla ductus deferentis of the fan-throated lizard <i>Sitana ponticeriana</i> Cuvier. <i>Journal of Morphology</i> , 2005, 266, 94-111.	1.2	17

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55	1-Amino-4-hydroxy-9,10-anthraquinone – An analogue of anthracycline anticancer drugs, interacts with DNA and induces apoptosis in human MDA-MB-231 breast adenocarcinoma cells: Evaluation of structure–activity relationship using computational, spectroscopic and biochemical studies. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 312-323.	1.3	17
56	Sensitive and label-free shell isolated Ag NPs@Si architecture based SERS active substrate: FDTD analysis and in-situ cellular DNA detection. <i>Applied Surface Science</i> , 2020, 515, 145955.	6.1	17
57	Occurrence of ampulla in the ductus deferens of the Indian garden lizard <i>Calotes versicolor</i> daudin. <i>Journal of Morphology</i> , 1995, 225, 261-268.	1.2	16
58	Light and electron microscopic observations of fabrication, release, and fate of biphasic secretion granules produced by epididymal epithelial principal cells of the fan-throated lizard <i>Sitana ponticeriana</i> cuvier. <i>Journal of Morphology</i> , 2006, 267, 713-729.	1.2	16
59	Metabolism-dependent cytotoxicity of citrinin and ochratoxin A alone and in combination as assessed adopting integrated discrete multiple organ co-culture (IdMOC). <i>Toxicology in Vitro</i> , 2018, 46, 166-177.	2.4	16
60	Cytotoxic cobalt (III) Schiff base complexes: in vitro anti-proliferative, oxidative stress and gene expression studies in human breast and lung cancer cells. <i>BioMetals</i> , 2022, 35, 67-85.	4.1	16
61	Histological variation along and ultrastructural organization of the epithelium of the ductus epididymidis of the fan-throated lizard <i>Sitana ponticeriana</i> Cuvier. <i>Acta Zoologica</i> , 2006, 87, 181-196.	0.8	15
62	Protective effect of vitamin E against carbendazim-induced testicular toxicity – histopathological evidences and reduced residue levels in testis and serum. <i>Archives of Toxicology</i> , 2007, 81, 813-821.	4.2	15
63	Sertoli cells in the testis of caecilians, <i>Ichthyophis tricolor</i> and <i>Uraeotyphlus</i> cf. <i>narayani</i> (Amphibia): Tj ETQq1 1 0.784314 rgBT / Overlo	1.2	14
64	Ruthenium(II) – arene complexes of diimines: Effect of diimine intercalation and hydrophobicity on DNA and protein binding and cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4154.	3.5	14
65	Buffalo nasal odorant-binding protein (bunOBP) and its structural evaluation with putative pheromones. <i>Scientific Reports</i> , 2018, 8, 9323.	3.3	14
66	Synthesis of Biocompatible Cellulose-Coated Nanoceria with pH-Dependent Antioxidant Property. <i>ACS Applied Bio Materials</i> , 2019, 2, 1792-1801.	4.6	14
67	Contribution of the secretory material of caecilian (amphibia: Gymnophiona) male Mullerian gland to motility of sperm: A study in <i>Uraeotyphlus narayani</i> . <i>Journal of Morphology</i> , 2005, 263, 227-237.	1.2	13
68	Ferrocenyl methylene units and copper(II) phenanthroline complex units anchored on branched poly(ethyleneimine) – DNA binding, antimicrobial and anticancer activity. <i>New Journal of Chemistry</i> , 2014, 38, 4204-4211.	2.8	13
69	Verrucarin A, a protein synthesis inhibitor, induces growth inhibition and apoptosis in breast cancer cell lines MDA-MB-231 and T47D. <i>Biotechnology Letters</i> , 2013, 35, 1395-1403.	2.2	12
70	Novel action modality of the diterpenoid anisomelic acid causes depletion of E6 and E7 viral oncoproteins in HPV-transformed cervical carcinoma cells. <i>Biochemical Pharmacology</i> , 2014, 89, 171-184.	4.4	12
71	ROS-mediated cell death induced by mixed ligand copper(II) complexes of l-proline and diimine: effect of co-ligand. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3102-3127.	2.2	12
72	Micellization Behaviour, DNA Binding, Antimicrobial, and Cytotoxicity Studies of Surfactant - Cobalt(III) Complexes Containing Di- and Tetramine Ligands. <i>Australian Journal of Chemistry</i> , 2009, 62, 165.	0.9	11

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73	Network analysis and cross species comparison of protein-protein interaction networks of human, mouse and rat cytochrome P450 proteins that degrade xenobiotics. <i>Molecular BioSystems</i> , 2016, 12, 2119-2134.	2.9	11
74	Proteomic analysis of human saliva: An approach to find the marker protein for ovulation. <i>Reproductive Biology</i> , 2016, 16, 287-294.	1.9	11
75	Studies on the interaction of 2-amino-3-hydroxy-anthraquinone with surfactant micelles reveal its nucleation in human MDA-MB-231 breast adenocarcinoma cells. <i>RSC Advances</i> , 2016, 6, 28200-28212.	3.6	11
76	Hydra as an alternative model organism for toxicity testing: Study using the endocrine disrupting chemical Bisphenol A. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 680-684.	3.1	11
77	Spermiogenesis in caecilians <i>Ichthyophis tricolor</i> and <i>Uraeotyphlus cf. narayani</i> (Amphibia: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262, 484-499.	1.2	10
78	Cytotoxic Property of Surfactant-Cobalt(III) Complexes on a Human Breast Cancer Cell Line. <i>Archiv Der Pharmazie</i> , 2011, 344, 422-430.	4.1	10
79	Silica Nanoparticles Induced Metabolic Stress through EGR1, CCND, and E2F1 Genes in Human Mesenchymal Stem Cells. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1181-1192.	2.9	10
80	Functional evaluation of doxorubicin decorated polymeric liposomal curcumin: a surface tailored therapeutic platform for combination chemotherapy. <i>New Journal of Chemistry</i> , 2018, 42, 16608-16619.	2.8	10
81	Fabrication and characterization of egg white cryogel scaffold for three-dimensional (3D) cell culture. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 441-446.	3.1	10
82	Prenatal exposure to excess chromium attenuates transcription factors regulating expression of androgen and follicle stimulating hormone receptors in Sertoli cells of prepuberal rats. <i>Chemico-Biological Interactions</i> , 2020, 328, 109188.	4.0	10
83	Ultrastructural observations of previtellogenic ovarian follicles of the caecilians <i>Ichthyophis tricolor</i> and <i>Gegeneophis ramaswamii</i> . <i>Journal of Morphology</i> , 2007, 268, 329-342.	1.2	9
84	Skeletal muscle-melanocyte association during tadpole tail resorption in a tropical frog, <i>Clinotarsus curtipes</i> Jerdon (Anura, Ranoidea). <i>Zoology</i> , 2010, 113, 175-183.	1.2	9
85	Structural elucidation of estrus urinary lipocalin protein (EULP) and evaluating binding affinity with pheromones using molecular docking and fluorescence study. <i>Scientific Reports</i> , 2016, 6, 35900.	3.3	9
86	Upregulation of Cyp19a1 and PPAR- $\beta$ in ovarian steroidogenic pathway by <i>Ficus religiosa</i> : A potential cure for polycystic ovary syndrome. <i>Journal of Ethnopharmacology</i> , 2021, 267, 113540.	4.1	9
87	Evaluation of the bio-activity of marine cyanobacteria on some biochemical parameters of rat serum. <i>Phytotherapy Research</i> , 1996, 10, 9-12.	5.8	8
88	Histology and ultrastructure of male mullerian gland of <i>Uraeotyphlus narayani</i> (Amphibia: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td 1.2	1.2	8
89	Identification of p-Cresol as an Estrus-Specific Volatile in Buffalo Saliva: Comparative Docking Analysis of Buffalo OBP and $\beta$ -Lactoglobulin with p-Cresol. <i>Zoological Science</i> , 2014, 31, 31-36.	0.7	8
90	Detection of estrous biomarkers in the body exudates of Kangayam cattle ( <i>Bos indicus</i> ) from interplay of hormones and behavioral expressions. <i>Domestic Animal Endocrinology</i> , 2020, 72, 106392.	1.6	8



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91	Induction of Redox-Mediated Cell Death in ER-Positive and ER-Negative Breast Cancer Cells by a Copper(II)-Phenolate Complex: An In Vitro and In Silico Study. <i>Molecules</i> , 2020, 25, 4504.	3.8	8
92	Accumulation of yolk in a caecilian ( <i>Gegeneophis ramaswamii</i> ) oocyte: A light and transmission electron microscopic study. <i>Journal of Morphology</i> , 2008, 269, 1412-1424.	1.2	7
93	Mahatma Gandhi-Doerenkamp Center for Alternatives to Use of Animals in Life Science Education. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2010, 1, 108-110.	0.4	7
94	Secretory and basal cells of the epithelium of the tubular glands in the male Mullerian gland of the caecilian <i>Uraeotyphlus narayani</i> (Amphibia: Gymnophiona). <i>Journal of Morphology</i> , 2004, 262, 760-769.	1.2	6
95	Ameboid cells in spermatogenic cysts of caecilian testis. <i>Journal of Morphology</i> , 2005, 263, 340-355.	1.2	6
96	Fluorescent active ruthenium(ii) complex units containing bpy or phen or dmp ligands anchored on branched poly(ethylenimine): DNA binding and in vitro biological assessment. <i>RSC Advances</i> , 2016, 6, 31831-31839.	3.6	6
97	Folate-engineered mesoporous silica-encapsulated copper (II) complex [Cu(L)(dppz)] <sup>+</sup> : An active targeting cell-specific platform for breast cancer therapy. <i>Inorganica Chimica Acta</i> , 2020, 510, 119783.	2.4	6
98	Folic acid-conjugated mixed-ligand copper(II) complexes as promising cytotoxic agents for triple-negative breast cancers: A case study using MDA-MB-231 cell. <i>Inorganica Chimica Acta</i> , 2022, 531, 120729.	2.4	6
99	Analysis of the Cytotoxic Potential of Anisomelic Acid Isolated from <i>Anisomeles malabarica</i> . <i>Scientia Pharmaceutica</i> , 2013, 81, 559-566.	2.0	5
100	Scientific concepts and applications of integrated discrete multiple organ co-culture technology. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2015, 6, 63-70.	0.4	5
101	Light and electron microscopic observations on the organization of skin and associated glands of two caecilian amphibians from Western Ghats of India. <i>Micron</i> , 2018, 106, 59-68.	2.2	5
102	Light and transmission electron microscopic structure of skin glands and dermal scales of a caecilian amphibian <i>Gegeneophis ramaswamii</i> , with a note on antimicrobial property of skin gland secretion. <i>Microscopy Research and Technique</i> , 2019, 82, 1267-1276.	2.2	5
103	An insight into the skin glands, dermal scales and secretions of the caecilian amphibian <i>Ichthyophis beddomei</i> . <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2683-2690.	3.8	5
104	Studies on Spermatotoxic Effect of Ethanolic Extract of <i>Capparis aphylla</i> (Roth). <i>Journal of Biological Sciences</i> , 2007, 7, 544-548.	0.3	5
105	Bio-activity of marine cyanobacteria in the animal-based systems: Modulation of food intake, body weight and some haematological characters. <i>Annals of Applied Biology</i> , 1994, 125, 195-206.	2.5	4
106	Urine levels of luteinizing hormone as predictor of the period of ovulation for advantage of timed artificial insemination in murrah buffalo ( <i>Bubalus bubalis</i> ). <i>Reproduction in Domestic Animals</i> , 2017, 52, 517-521.	1.4	4
107	Characterization of Hen's Egg White To Use It as a Novel Platform To Culture Three-Dimensional Multicellular Tumor Spheroids. <i>ACS Omega</i> , 2020, 5, 19760-19770.	3.5	4
108	Salivary luteinizing hormone: An open window to detect oestrous period in buffalo. <i>Reproduction in Domestic Animals</i> , 2020, 55, 647-651.	1.4	4

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109	Movement to Curtail Animal Dissections in Zoology Curriculum: review of the Indian Experience. ALTEX: Alternatives To Animal Experimentation, 2007, 24, 163-166.	1.5	4
110	Laser assisted anticancer activity of benzimidazole based metal organic nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2018, 180, 218-224.	3.8	3
111	Assessment of urinary volatile compounds and proteins in the female goat <i>Capra hircus</i> : A pilot study to reveal potential indicators of oestrus. Reproduction in Domestic Animals, 2019, 54, 646-651.	1.4	3
112	Antigenic homogeneity of male Müllerian gland (MG) secretory proteins of a caecilian amphibian with secretory proteins of the mammalian prostate gland and seminal vesicles: evidence for role of the caecilian MG as a male accessory reproductive gland. Zoology, 2014, 117, 319-328.	1.2	2
113	Observations on Dagâ€like defect of spermatozoa induced by treatment of the phytotherapeutic <i>Quassia amara</i> /quassin in the mouse model. Andrologia, 2021, 53, e14046.	2.1	2
114	Histomorphological perspectives of preputial and clitoral glands of soft-furred field rat <i>Millardia meltdada</i> . Acta Biologica Szegediensis, 2021, 64, 181-189.	0.3	2
115	Model studies on the interactions of a Cu(II)-quinone complex with surfactant micelles and DNA explore its induction of apoptosis in human MDA-MB-231 breast adenocarcinoma cells. Journal of Coordination Chemistry, 2017, 70, 2128-2147.	2.2	1
116	Analysis of Species-Selectivity of Human, Mouse and Rat Cytochrome P450 1A and 2B Subfamily Enzymes using Molecular Modeling, Docking and Dynamics Simulations. Cell Biochemistry and Biophysics, 2018, 76, 91-110.	1.8	1
117	Role of aposomes and epididymosomes in sperm quality control: A light and transmission electron microscopic study in an experimental rat model. Andrologia, 2021, 53, e13862.	2.1	1
118	The Exoproteome of <i>Staphylococcus pasteurii</i> Isolated from Cervical Mucus during the Estrus Phase in Water Buffalo ( <i>Bubalus bubalis</i> ). Biomolecules, 2022, 12, 450.	4.0	1
119	In Vitro Cytotoxic Effect of Formulated <i>Semecarpus Ghee</i> Nanoemulsion on Human Cervical Cancer (SiHa) Cells. Advanced Science Letters, 2012, 6, 75-79.	0.2	0