

# Rajagopalan Vijayaraghavan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3738854/publications.pdf>

Version: 2024-02-01

188  
papers

7,007  
citations

87843

38  
h-index

66879

78  
g-index

190  
all docs

190  
docs citations

190  
times ranked

8879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced bioactivity of ZnO nanoparticles – an antimicrobial study. Science and Technology of Advanced Materials, 2008, 9, 035004.	2.8	1,236
2	Insight into the Mechanism of Antibacterial Activity of ZnO: Surface Defects Mediated Reactive Oxygen Species Even in the Dark. Langmuir, 2015, 31, 9155-9162.	1.6	494
3	Comparative toxicity evaluation of cyanobacterial cyclic peptide toxin microcystin variants (LR, RR, Tj ETQq1 1 0.784314 rgBT /Overl	2.0	379
4	Chemical warfare agents. Journal of Pharmacy and Bioallied Sciences, 2010, 2, 166.	0.2	288
5	Evaluation of salivary metabolomics in oral leukoplakia and oral squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2019, 48, 299-306.	1.4	263
6	Characteristic modifications of the breathing pattern of mice to evaluate the effects of airborne chemicals on the respiratory tract. Archives of Toxicology, 1993, 67, 478-490.	1.9	160
7	Immobilization of acetylcholinesterase – choline oxidase on a gold – platinum bimetallic nanoparticles modified glassy carbon electrode for the sensitive detection of organophosphate pesticides, carbamates and nerve agents. Biosensors and Bioelectronics, 2009, 25, 832-838.	5.3	156
8	Nanocrystalline zinc oxide for the decontamination of sarin. Journal of Hazardous Materials, 2009, 165, 928-932.	6.5	133
9	Greener Electrochemical Synthesis of High Quality Graphene Nanosheets Directly from Pencil and its SPR Sensing Application. Advanced Functional Materials, 2012, 22, 2352-2362.	7.8	129
10	Size-Dependent Effect of Zinc Oxide on Toxicity and Inflammatory Potential of Human Monocytes. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 177-191.	1.1	121
11	Computer assisted recognition and quantitation of the effects of airborne chemicals acting at different areas of the respiratory tract in mice. Archives of Toxicology, 1994, 68, 490-499.	1.9	116
12	Interaction of ZnO Nanoparticles with Microbes – A Physio and Biochemical Assay. Journal of Biomedical Nanotechnology, 2011, 7, 813-822.	0.5	106
13	Protective effect of various antioxidants on the toxicity of sulphur mustard administered to mice by inhalation or percutaneous routes. Chemico-Biological Interactions, 2001, 134, 1-12.	1.7	96
14	Carbon Black Particle Exhibits Size Dependent Toxicity in Human Monocytes. International Journal of Inflammation, 2014, 2014, 1-10.	0.9	82
15	Oxidative stress associated hepatic and renal toxicity induced by ricin in mice. Toxicon, 2003, 41, 333-338.	0.8	81
16	Mechanism of ricin-induced apoptosis in human cervical cancer cells. Biochemical Pharmacology, 2005, 69, 855-865.	2.0	78
17	Improved Electric Wiring of Hemoglobin with Impure-Multiwalled Carbon Nanotube/Nafion Modified Glassy Carbon Electrode and Its Highly Selective Hydrogen Peroxide Biosensing. Journal of Physical Chemistry C, 2012, 116, 23692-23703.	1.5	75
18	Dermal intoxication of mice with bis(2-chloroethyl)sulphide and the protective effect of flavonoids. Toxicology, 1991, 69, 35-42.	2.0	72

#	ARTICLE	IF	CITATIONS
19	Solution combustion synthesis of bioceramic calcium phosphates by single and mixed fuels—A comparative study. <i>Ceramics International</i> , 2008, 34, 1373-1379.	2.3	68
20	Insulin resistance and oxidative marker in women with PCOS. <i>Archives of Physiology and Biochemistry</i> , 2020, 126, 183-186.	1.0	67
21	Electroantennogram, flight orientation, and oviposition responses of <i>Aedes aegypti</i> to the oviposition pheromone n-heneicosane. <i>Parasitology Research</i> , 2009, 104, 827-833.	0.6	66
22	Development and Evaluation of Reverse Transcription Loop-Mediated Isothermal Amplification Assay for Rapid and Real-Time Detection of the Swine-Origin Influenza A H1N1 Virus. <i>Journal of Molecular Diagnostics</i> , 2011, 13, 100-107.	1.2	66
23	Differential toxicity of sulfur mustard administered through percutaneous, subcutaneous, and oral routes. <i>Toxicology and Applied Pharmacology</i> , 2005, 202, 180-188.	1.3	60
24	Sulphur mustard induced DNA damage in mice after dermal and inhalation exposure. <i>Toxicology</i> , 1999, 139, 39-51.	2.0	58
25	Chemical manipulation of oxygen vacancy and antibacterial activity in ZnO. <i>Materials Science and Engineering C</i> , 2017, 77, 1027-1034.	3.8	58
26	Highly Sensitive Amperometric Immunosensor for Detection of <i>Plasmodium falciparum</i> Histidine-Rich Protein 2 in Serum of Humans with Malaria: Comparison with a Commercial Kit. <i>Journal of Clinical Microbiology</i> , 2008, 46, 3759-3765.	1.8	56
27	Nanosized Zinc Oxide Induces Toxicity in Human Lung Cells. <i>ISRN Toxicology</i> , 2013, 2013, 1-8.	2.7	55
28	Modified titania nanotubes for decontamination of sulphur mustard. <i>Journal of Hazardous Materials</i> , 2009, 167, 1192-1197.	6.5	54
29	New diketone based vanadium complexes as insulin mimetics. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2206-2210.	2.6	53
30	Synthesis and Characterization of Bioceramic Calcium Phosphates by Rapid Combustion Synthesis. <i>Journal of Materials Science and Technology</i> , 2010, 26, 1114-1118.	5.6	52
31	Neurobehavioral impairments, generation of oxidative stress and release of pro-apoptotic factors after chronic exposure to sulphur mustard in mouse brain. <i>Toxicology and Applied Pharmacology</i> , 2009, 240, 208-218.	1.3	51
32	Effect of calcinations temperature of CuO nanoparticle on the kinetics of decontamination and decontamination products of sulphur mustard. <i>Journal of Hazardous Materials</i> , 2011, 192, 1890-1895.	6.5	50
33	Conversion From Mycophenolate Mofetil to Enteric-coated Mycophenolate Sodium in Renal Transplant Recipients With Gastrointestinal Tract Disorders. <i>Transplantation Proceedings</i> , 2008, 40, 2262-2267.	0.3	45
34	Photocatalytic inactivation of <i>Bacillus anthracis</i> by titania nanomaterials. <i>Journal of Hazardous Materials</i> , 2009, 165, 506-510.	6.5	45
35	Supersensitive detection of T-2 toxin by the in situ synthesized $\gamma$ -conjugated molecularly imprinted nanopatterns. An in situ investigation by surface plasmon resonance combined with electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2534-2540.	5.3	45
36	Sun light assisted photocatalytic decontamination of sulfur mustard using ZnO nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2011, 349, 55-62.	4.8	44

#	ARTICLE	IF	CITATIONS
37	Modifications of breathing pattern induced by inhaled sulphur mustard in mice. Archives of Toxicology, 1997, 71, 157-164.	1.9	41
38	Promising role of $\alpha$ -ketoglutarate in protecting against the lethal effects of cyanide. Human and Experimental Toxicology, 2002, 21, 297-303.	1.1	38
39	Amperometric immunosensor for ricin by using on graphite and carbon nanotube paste electrodes. Talanta, 2010, 81, 703-708.	2.9	38
40	Purification, characterization and toxicity profile of ricin isoforms from castor beans. Food and Chemical Toxicology, 2010, 48, 3171-3176.	1.8	37
41	Significance of porous structure on degradation of 2,2-dichloro diethyl sulphide and 2-chloroethyl ethyl sulphide on the surface of vanadium oxide nanostructure. Journal of Hazardous Materials, 2011, 190, 1053-1057.	6.5	37
42	Synthesis and Lithium Storage Properties of Zn, Co and Mg doped SnO <sub>2</sub> Nano Materials. Electrochimica Acta, 2017, 247, 358-370.	2.6	37
43	Protective role of vitamin E on the oxidative stress in Hansen's disease (Leprosy) patients. European Journal of Clinical Nutrition, 2005, 59, 1121-1128.	1.3	36
44	In vitro and in vivo attenuation of experimental cyanide poisoning by $\alpha$ -ketoglutarate. Toxicology Letters, 2002, 128, 185-195.	0.4	35
45	Reactions of sulphur mustard and sarin on V1.02O2.98 nanotubes. Journal of Hazardous Materials, 2009, 166, 1545-1549.	6.5	35
46	Amperometric immunosensor based on gold nanoparticles/alumina sol-gel modified screen-printed electrodes for antibodies to Plasmodium falciparum histidine rich protein-2. Analyst, The, 2010, 135, 608.	1.7	35
47	Ethylene detection using TiO <sub>2</sub> -WO <sub>3</sub> composite sensor for fruit ripening applications. Sensor Review, 2017, 37, 147-154.	1.0	35
48	Synthesis and characterization of polypyrrole by cyclic voltammetry at different scan rate and its use in electrochemical reduction of the simulant of nerve agents. Synthetic Metals, 2010, 160, 2631-2637.	2.1	34
49	Prophylactic efficacy of amifostine and its analogues against sulphur mustard toxicity. Toxicology, 2001, 163, 83-91.	2.0	33
50	Protective Effects of Amifostine and Its Analogues on Sulfur Mustard Toxicity in Vitro and in Vivo. Toxicology and Applied Pharmacology, 2001, 176, 24-33.	1.3	33
51	Effect of sub-acute oral cyanide administration in rats: Protective efficacy of $\alpha$ -ketoglutarate and sodium thiosulfate. Chemico-Biological Interactions, 2005, 156, 1-12.	1.7	33
52	Molecularly imprinted polymer for the recognition of biological warfare agent staphylococcal enterotoxin B based on Surface Plasmon Resonance. Thin Solid Films, 2010, 519, 1115-1121.	0.8	32
53	Yeast expressed recombinant Hemagglutinin protein of Novel H1N1 elicits neutralising antibodies in rabbits and mice. Virology Journal, 2011, 8, 524.	1.4	30
54	Preparation and Characterization of Nanocrystalline Zirconia Powders by the Glowing Combustion Method. Journal of the American Ceramic Society, 2010, 93, 3651-3656.	1.9	29

#	ARTICLE	IF	CITATIONS
55	An infrared based sensor system for the detection of ethylene for the discrimination of fruit ripening. <i>Infrared Physics and Technology</i> , 2017, 85, 403-409.	1.3	29
56	In vivo protection by amifostine and DRDE-07 against sulphur mustard toxicity. <i>Human and Experimental Toxicology</i> , 2002, 21, 371-376.	1.1	28
57	Molecularly imprinted nanopatterns for the recognition of biological warfare agent ricin. <i>Biosensors and Bioelectronics</i> , 2009, 25, 592-598.	5.3	28
58	Surface plasmon resonance detection of biological warfare agent Staphylococcal enterotoxin B using high affinity monoclonal antibody. <i>Thin Solid Films</i> , 2010, 519, 1171-1177.	0.8	28
59	Simultaneous Fenton Photocatalytic Reactions through a New Single Catalyst (Nano) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18557-18563.	1.5	28
60	Evaluation of analogues of DRDE-07 as prophylactic agents against the lethality and toxicity of sulfur mustard administered through percutaneous route. <i>Journal of Applied Toxicology</i> , 2006, 26, 115-125.	1.4	26
61	A novel piezoelectric immunosensor for the detection of malarial Plasmodium falciparum histidine rich protein-2 antigen. <i>Talanta</i> , 2011, 85, 1812-1817.	2.9	26
62	Differential toxicity profile of ricin isoforms correlates with their glycosylation levels. <i>Toxicology</i> , 2011, 282, 56-67.	2.0	25
63	Enhanced photocatalytic activity of nanocrystalline N-doped ZnS <sub>2</sub> O <sub>6</sub> : role of N doping, cation ordering, particle size and crystallinity. <i>RSC Advances</i> , 2014, 4, 65223-65231.	1.7	25
64	Seed and bark extracts of Acacia catechu protects liver from acetaminophen induced hepatotoxicity by modulating oxidative stress, antioxidant enzymes and liver function enzymes in Wistar rat model. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 838-844.	2.5	24
65	Photocatalytic inactivation of spores of Bacillus anthracis using titania nanomaterials. <i>Journal of Hazardous Materials</i> , 2011, 185, 977-982.	6.5	23
66	Decontamination of Yperite using mesoporous mixed metal oxide nanocrystals. <i>Journal of Hazardous Materials</i> , 2010, 183, 847-852.	6.5	22
67	Prophylactic effect of gossypin against percutaneously administered sulfur mustard. <i>Biomedical and Environmental Sciences</i> , 2007, 20, 250-9.	0.2	22
68	Reaction of Bis(2-chloroethyl) Sulfide with N,N'-Dichlorobis(2,4,6-trichlorophenyl)urea. <i>Journal of Organic Chemistry</i> , 1999, 64, 8031-8033.	1.7	21
69	Comparative Toxic Effect of Nitrogen Mustards (HN-1, HN-2, and HN-3) and Sulfur Mustard on Hematological and Biochemical Variables and Their Protection by DRDE-07 and Its Analogues. <i>International Journal of Toxicology</i> , 2010, 29, 391-401.	0.6	21
70	Respiratory Protection Against Chemical and Biological Warfare Agents. <i>Defence Science Journal</i> , 2008, 58, 686-697.	0.5	21
71	Al <sub>2</sub> O <sub>3</sub> nanoparticles with and without polyoxometalates as reactive sorbents for the removal of sulphur mustard. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 364-375.	2.2	20
72	Ferrimagnetism, antiferromagnetism, and magnetic frustration in La <sub>2-x</sub> Sr <sub>x</sub> CuRuO <sub>6</sub>	1.1	20

#	ARTICLE	IF	CITATIONS
73	Sulphur mustard induced oxidative stress and its prevention by sodium 2,3-dimercapto propane sulphonic acid (DMPS) in mice. <i>Biomedical and Environmental Sciences</i> , 2000, 13, 225-32.	0.2	20
74	Facile, scalable synthesis of nanocrystalline calcium zirconate by the solution combustion method. <i>Ceramics International</i> , 2014, 40, 5781-5786.	2.3	19
75	Analgesic and anti-inflammatory activity of amifostine, DRDE-07, and their analogs, in mice. <i>Indian Journal of Pharmacology</i> , 2010, 42, 17.	0.4	18
76	A quantitative NMR protocol for the simultaneous analysis of atropine and obidoxime in parenteral injection devices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 1092-1096.	1.4	17
77	Detection of chemical warfare agent Nitrogen Mustard-1 based on conducting polymer phthalocyanine nanorod modified electrode. <i>Synthetic Metals</i> , 2009, 159, 1960-1967.	2.1	17
78	Application of bimetallic nanoparticles modified screen printed electrode for the detection of organophosphate compounds using an enzyme inhibition approach. <i>Analytical Methods</i> , 2011, 3, 2246.	1.3	17
79	A possible correlation between antioxidant and antidiabetic potentials of oxovanadium(IV) complexes. <i>Medicinal Chemistry Research</i> , 2013, 22, 2929-2937.	1.1	17
80	Comparative evaluation of some flavonoids and tocopherol acetate against the systemic toxicity induced by sulphur mustard. <i>Indian Journal of Pharmacology</i> , 2008, 40, 114.	0.4	17
81	Effect of Alpha-Ketoglutarate on Neurobehavioral, Neurochemical and Oxidative Changes Caused by Sub-Chronic Cyanide Poisoning in Rats. <i>Neurochemical Research</i> , 2011, 36, 540-548.	1.6	16
82	In situ electrochemical sensing of 2-chloroethyl ethyl sulfide (CEES) a CWA simulant using CuPc/RTIL composite gold electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 1000-1009.	4.0	16
83	Autoinjector – A smart device for emergency cum personal therapy. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 1205-1215.	1.2	16
84	Effect of metal-ion-to-fuel ratio on the phase formation of bioceramic phosphates synthesized by self-propagating combustion. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 035003.	2.8	15
85	High-temperature resistivity and thermoelectric properties of coupled substituted Ca <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> . <i>Science and Technology of Advanced Materials</i> , 2009, 10, 015007.	2.8	15
86	Oviposition Pheromones in Haematophagous Insects. <i>Vitamins and Hormones</i> , 2010, 83, 597-630.	0.7	15
87	Investigations on the influence of Sm <sup>3+</sup> ion on the nano TiO <sub>2</sub> matrix as the anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 710, 205-215.	2.8	15
88	Histomorphological and histochemical alterations following short-term inhalation exposure to sulfur mustard on visceral organs of mice. <i>Biomedical and Environmental Sciences</i> , 1999, 12, 201-13.	0.2	15
89	Effect of sulphur mustard inhalation exposure on some urinary variables in mice. , 1998, 18, 257-259.		14
90	Low temperature synthesis of Ba <sub>1-x</sub> Sr <sub>x</sub> SnO <sub>3</sub> (x = 0-1) from molten alkali hydroxide flux. <i>Bulletin of Materials Science</i> , 2010, 33, 75-78.	0.8	14

#	ARTICLE	IF	CITATIONS
91	Synthesis, spectral characterization, and antidiabetic study of new furan-based vanadium(IV) complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 511-524.	0.8	14
92	Autoinjector device for rapid administration of drugs and antidotes in emergency situations and in mass casualty management. <i>Journal of International Medical Research</i> , 2020, 48, 030006052092601.	0.4	14
93	Carbon Nanotubes: Detection of Chemical and Biological Warfare Agents. <i>Defence Science Journal</i> , 2008, 58, 617-625.	0.5	14
94	Electron-spectroscopic investigation of the metal-insulator transition in $\text{Sr}_2\text{Ru}_1-x\text{Ti}_x\text{O}_4$ ( $x=0-0.6$ ). <i>Physical Review B</i> , 2006, 73, .	1.1	13
95	Ozone assisted partial oxidation of DMS to DMSO on Fe based catalyst. <i>Catalysis Communications</i> , 2009, 11, 77-81.	1.6	13
96	Treatment for Sulphur Mustard Poisoning -A Review. <i>Defence Science Journal</i> , 1998, 48, 155-162.	0.5	13
97	Protective effect of Aloe vera L. gel against sulphur mustard-induced systemic toxicity and skin lesions. <i>Indian Journal of Pharmacology</i> , 2005, 37, 103.	0.4	13
98	Effects of oxygen non-stoichiometry and cationic substitutions on the properties of $\text{Sr}_2\text{RuO}_4 + \delta$ . <i>Materials Chemistry and Physics</i> , 1998, 56, 63-69.	2.0	12
99	DRDE-07 and its analogues as promising cytoprotectants to nitrogen mustard (HN-2) – An alkylating anticancer and chemical warfare agent. <i>Toxicology Letters</i> , 2009, 188, 243-250.	0.4	12
100	Evaluation of wound-healing formulation against sulphur mustard-induced skin injury in mice. <i>Human and Experimental Toxicology</i> , 2012, 31, 588-605.	1.1	12
101	Synthesis, characterization of bay-substituted perylene diimide based D-A-D type small molecules and their applications as a non-fullerene electron acceptor in polymer solar cells. <i>Journal of Science: Advanced Materials and Devices</i> , 2018, 3, 99-106.	1.5	12
102	Protective Effect of Quercetin Against Sulphur Mustard-induced Oxidative Stress in Mice. <i>Defence Science Journal</i> , 2007, 57, 707-720.	0.5	12
103	Evaluation of CC2 as a decontaminant in various hydrophilic and lipophilic formulations against sulphur mustard. <i>Biomedical and Environmental Sciences</i> , 2002, 15, 25-35.	0.2	12
104	Dose Dependent Effects on Lymphoid Organs following a Single Dermal Application of Sulphur Mustard in Mice. <i>Human and Experimental Toxicology</i> , 1994, 13, 247-251.	1.1	11
105	Acute toxicity studies of $\alpha$ -Ketoglutarate: a promising antidote for cyanide poisoning. <i>Journal of Applied Toxicology</i> , 2001, 21, 495-499.	1.4	11
106	Denatured Ricin Can Be Detected as Native Ricin by Immunological Methods, but Nontoxic <i>in Vivo</i> . <i>Journal of Forensic Sciences</i> , 2010, 55, 801-807.	0.9	11
107	Radiolabeling and dose fixation study of oral alpha-ketoglutarate as a cyanide antidote in healthy human volunteers. <i>Clinical Toxicology</i> , 2010, 48, 509-515.	0.8	11
108	Role of inflammatory cytokines and DNA damage repair proteins in sulfur mustard exposed mice liver. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 356-362.	1.3	10



#	ARTICLE	IF	CITATIONS
109	Comparative effects of insect repellent <i>N,N</i> -diethylbenzamide, <i>N,N</i> -diethylphenylacetamide, and <i>N,N</i> -diethyl-3-methylbenzamide aerosols on the breathing pattern and respiratory variables in mice. <i>Inhalation Toxicology</i> , 2010, 22, 469-478.	0.8	10
110	Solution based rapid synthesis of AgCuO <sub>2</sub> at room temperature. <i>RSC Advances</i> , 2014, 4, 62746-62750.	1.7	10
111	Silica nanoparticle induces oxidative stress and provokes inflammation in human lung cells. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 983-1000.	1.3	10
112	Effect of Fluoxetine on the Hippocampus of Wistar Albino Rats in Cold Restraint Stress Model. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, AF01-AF06.	0.8	10
113	Protective efficacy of calcium channel blockers in sulphur mustard poisoning. <i>Biomedical and Environmental Sciences</i> , 1998, 11, 363-9.	0.2	10
114	Gas chromatographic identification of urinary metabolites of insect repellent <i>N,N</i> -diethylphenylacetamide on inhalation exposure in rats. <i>Biomedical Applications</i> , 1989, 493, 210-216.	1.7	9
115	Acute and subacute inhalation toxicity studies of a new broad spectrum insect repellent, <i>N,N</i> -diethylphenylacetamide. <i>Toxicology</i> , 1991, 67, 85-96.	2.0	9
116	A study on the glucose lowering effects of ester-based oxovanadium complexes. <i>Transition Metal Chemistry</i> , 2010, 35, 865-870.	0.7	9
117	Ameliorative effect of DRDE 07 and its analogues on the systemic toxicity of sulphur mustard and nitrogen mustard in rabbit. <i>Human and Experimental Toxicology</i> , 2010, 29, 747-755.	1.1	9
118	Designing of mouse model: A new approach for studying sulphur mustard-induced skin lesions. <i>Burns</i> , 2011, 37, 851-864.	1.1	9
119	Time course pathogenesis of sulphur mustard-induced skin lesions in mouse model. <i>International Wound Journal</i> , 2013, 10, 441-454.	1.3	9
120	Cyanide intoxication in mice through different routes and its prophylaxis by alpha-ketoglutarate. <i>Biomedical and Environmental Sciences</i> , 1991, 4, 452-60.	0.2	9
121	Medical Countermeasures and Other Therapeutic Strategies for Sulfur Mustard Toxicity. , 2009, , 897-918.		8
122	Impregnated carbon based catalyst for protection against carbon monoxide gas. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 257-262.	10.8	8
123	Detection of methane using multi-walled carbon nanotubes. <i>Bulletin of Materials Science</i> , 2015, 38, 909-913.	0.8	8
124	Rapid Detection of Ricin by Sensitising Carboxylated Latex Particles by Ricin Antibodies. <i>Defence Science Journal</i> , 2004, 54, 57-63.	0.5	8
125	Ionic Liquid as an Alternative Greener Sensing Medium for the Chemical Warfare Agent. <i>Electroanalysis</i> , 2010, 22, 1357-1363.	1.5	7
126	Vapor phase catalytic degradation of bis(2-chloroethyl) ether on supported vanadia-titania catalyst. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 11-20.	10.8	7



#	ARTICLE	IF	CITATIONS
127	Effects of 28 days silicon dioxide aerosol exposure on respiratory parameters, blood biochemical variables and lung histopathology in rats. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 977-984.	2.0	7
128	Study of the Efficacy of CC-2 and Fuller's Earth Combination as a Decontaminant against Sulphur Mustard (Mustard Gas) Dermal Intoxication in Mice. <i>Defence Science Journal</i> , 1991, 41, 363-366.	0.5	7
129	Purification and Biochemical Characterisation of Ricin from Castor Seeds. <i>Defence Science Journal</i> , 2004, 54, 345-351.	0.5	7
130	Autoinjector Device for Rapid Administration of Life Saving Drugs in Emergency. <i>Defence Science Journal</i> , 2012, 62, 307-314.	0.5	7
131	Genotype-phenotype correlations of dyshormonogenetic goiter in children and adolescents from South India. <i>Indian Journal of Endocrinology and Metabolism</i> , 2016, 20, 816.	0.2	7
132	Thermal decomposition studies of riot control agent 1%o-chloroacetophenone (CN) by pyrolysis-gas chromatography-mass spectrometry. <i>Journal of Hazardous Materials</i> , 2010, 184, 506-514.	6.5	6
133	In situ electrocatalytic reduction of chemical warfare agent sulfur mustard by palladium modified electrode and its sensing application. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 840-849.	4.0	6
134	Plant Leaves Extract Irrigation on Wound Healing in Diabetic Foot Ulcers. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-9.	0.5	6
135	Silver Interdigitated Electrode Fabrication on a Kapton Substrate Coated with Multiwalled Carbon Nanotubes as a Sensor Element for Methane Sensing. <i>Sensor Letters</i> , 2015, 13, 750-755.	0.4	6
136	Therapeutic Efficacy of Saline and Glucose Saline against Dermally applied Sulphur Mustard Intoxication in Mice. <i>Defence Science Journal</i> , 1994, 44, 21-23.	0.5	6
137	Human umbilical cord and its vessels: a histomorphometric study in difference severity of hypertensive disorders of pregnancy. <i>Anatomy and Cell Biology</i> , 2020, 53, 68-75.	0.5	6
138	Acute and sub-acute toxicity of an insect pheromone, N-heneicosane and combination with insect growth regulator, diflubenzuron, for establishing no observed adverse effect level (NOAEL). <i>Indian Journal of Experimental Biology</i> , 2010, 48, 744-51.	0.5	6
139	Prophylactic efficacy of combination of DRDE-07 and its analogues with amifostine against sulphur mustard induced systemic toxicity. <i>Indian Journal of Experimental Biology</i> , 2010, 48, 752-61.	0.5	6
140	Behavioral Responses and Bioefficacy of Some Aromatic Amides Against <i>Aedes aegypti</i> . <i>Journal of Economic Entomology</i> , 2011, 104, 1369-1378.	0.8	5
141	The Electronic Structure and Properties of Solids. , 2013, , 153-176.		5
142	Effect of Bacopa Monniera on Cold Stress Induced Neurodegeneration in Hippocampus of Wistar Rats: A Histomorphometric Study. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2015, 9, AF05-7.	0.8	5
143	HPLC characterization, acute and sub-acute toxicity evaluation of bark extract of <i>Rhizophora mucronata</i> in Swiss Albino mice. <i>Heliyon</i> , 2020, 6, e03108.	1.4	5
144	Overexpression of the adeB Efflux Pump Gene in Tigecycline-Resistant <i>Acinetobacter baumannii</i> Clinical Isolates and Its Inhibition by (+)Usnic Acid as an Adjuvant. <i>Antibiotics</i> , 2021, 10, 1037.	1.5	5

#	ARTICLE	IF	CITATIONS
145	Development and Evaluation of Combined Drug Formulation for Autoject-injector, for Emergency Application in Organophosphate Poisoning. Defence Science Journal, 2012, 62, 105-111.	0.5	5
146	Haematological and Biochemical Changes in Response to Stress Induced by the Administration of Amikacin Injection by Autoinjector in Animals. Defence Science Journal, 2014, 64, 99-105.	0.5	5
147	Protective effect of Carica papaya leaf extract against mercuric chloride-induced nephrotoxicity in wistar rats. Pharmacognosy Magazine, 2020, 16, 379.	0.3	5
148	Comparative evaluation of modified whetlerites and impregnated carbons for sulphur mustard degradation. Carbon, 2010, 48, 2-7.	5.4	4
149	Attenuation of sulfur mustard toxicity by S-2(2-aminoethylamino)ethyl phenyl sulfide (DRDE-07) in mouse liver. Toxicology Mechanisms and Methods, 2011, 21, 596-605.	1.3	4
150	A study on the safety evaluation of buphrenorphine administered through an autoinjector compared with manual injection using haematological and biochemical variables in rats. Human and Experimental Toxicology, 2017, 36, 901-909.	1.1	4
151	Perylene-Diimide Based Donor-acceptor Type Small-Molecule Acceptors for Solution-Processable Organic Solar Cells. Journal of Electronic Materials, 2017, 46, 6784-6794.	1.0	4
152	FOLIC ACID, VITAMIN B12, AND DNA METHYLATION: AN UPDATE.. Asian Journal of Pharmaceutical and Clinical Research, 2018, 11, 17.	0.3	4
153	Prophylactic Efficacy of Amifostine, DRDE-07, and their Analogues against Percutaneously Administered Nitrogen Mustards and Sulphur Mustard. Defence Science Journal, 2009, 59, 512-516.	0.5	4
154	A Concept of a Probable Autoinjector for Bio-threat Agents. Defence Science Journal, 2016, 66, 464.	0.5	4
155	Genomics and phenomics of Hashimoto's thyroiditis in children and adolescents: a prospective study from Southern India. Annals of Translational Medicine, 2015, 3, 280.	0.7	4
156	In vitro evaluation of antidiabetic activity of aqueous and ethanolic leaves extracts of Chloroxylon swietenia. National Journal of Physiology, Pharmacy and Pharmacology, 2017, 7, 1.	0.0	4
157	Efficacy of different intensity of aquatic exercise in enhancing remyelination and neuronal plasticity using cuprizone model in male Wistar rats. Advances in Clinical and Experimental Medicine, 2022, 31, 999-1009.	0.6	4
158	Embelin and levodopa combination therapy for improved Parkinson's disease treatment. Translational Neuroscience, 2022, 13, 145-162.	0.7	4
159	N,N'-dichloro-bis[2,4,6-trichlorophenyl]urea (CC2) and suspending agents used for the preparation of decontamination formulation against chemical warfare agents. Journal of Thermal Analysis and Calorimetry, 2012, 107, 141-147.	2.0	3
160	Composition driven structural transition in La <sub>2</sub> SrCuRuO <sub>6</sub> (A <sub>1</sub> ) double perovskites. Journal of Alloys and Compounds, 2017, 693, 1096-1101.	2.8	3
161	Acute inhalation toxicity study of n-heneicosane and its combination with diflubenzuron: An attracticide of <i>Aedes aegypti</i> . Toxicology and Industrial Health, 2018, 34, 703-713.	0.6	3
162	Effect on Physiological Variables and Urinary Metabolites following a Single Dermal Application of Sulphur Mustard in Rats. Defence Science Journal, 1997, 47, 389-394.	0.5	3

#	ARTICLE	IF	CITATIONS
163	Effect of trolox and quercetin on sulfur mustard-induced cytotoxicity in human peripheral blood lymphocytes. <i>Indian Journal of Pharmacology</i> , 2006, 38, 38.	0.4	3
164	Effectiveness of Physical Activity and Finger Millet-Based Food Supplement on Biochemical Parameters and Bone Mineral Density among Premenopausal Women. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-7.	0.5	3
165	Molecular Studies on the Nephroprotective Potential of <i>Celastrus paniculatus</i> against Lead-Acetate-Induced Nephrotoxicity in Experimental Rats: Role of the PI3K/AKT Signaling Pathway. <i>Molecules</i> , 2021, 26, 6647.	1.7	3
166	Comparative effects of pyrolytic products of fiber reinforced plastic and wood shavings on the respiratory variables in mice. <i>Inhalation Toxicology</i> , 2010, 22, 778-784.	0.8	2
167	Acute Toxicity Studies of Safer and More Effective Analogues of N,N-Diethyl-2-Phenylacetamide. <i>Journal of Medical Entomology</i> , 2011, 48, 1160-1166.	0.9	2
168	Noble metal ion-substituted ceria as efficient oxygen storage catalysts for clean combustion of fuels. <i>Applied Petrochemical Research</i> , 2013, 3, 79-82.	1.3	2
169	Preclinical investigation of the pharmacokinetics, metabolism, and protein and red blood cell binding of DRDE-07: a prophylactic agent against sulphur mustard. <i>Acta Pharmaceutica Sinica B</i> , 2014, 4, 394-401.	5.7	2
170	A simple, one-pot oxidative esterification of aryl aldehydes through dialkyl acetal using hydrogen peroxide. <i>Research on Chemical Intermediates</i> , 2016, 42, 5849-5858.	1.3	2
171	Combination therapy of N-acetyl-L-cysteine and S-2(2-aminoethylamino) ethylphenyl sulfide for sulfur mustard induced oxidative stress in mice. <i>Toxicology Reports</i> , 2021, 8, 599-606.	1.6	2
172	Amifostine: An Effective Prophylactic Agent against Sulphur Mustard Toxicity (Short Communication). <i>Defence Science Journal</i> , 2002, 52, 439-444.	0.5	2
173	Effects of Vitamin D3 Supplementation in Male Reproductive Function: A Double-Blinded Randomized Controlled Trial. <i>Current Topics in Nutraceutical Research</i> , 2021, 20, 334-339.	0.1	2
174	High-Temperature Electrical Transport Property of Misfit Cobaltite of $\text{Ca}_{3-x}\text{Nd}_x\text{Co}_{4-x}\text{Cu}_x\text{O}_9$ ( $x = 0.0 \sim 0.4$ ). <i>Advanced Materials Research</i> , 2012, 584, 162-166.	0.3	1
175	Quantitative estimation of DRDE-07 in mice urine using ion-paired reversed-phase high-performance liquid chromatography. <i>Analytical Methods</i> , 2012, 4, 1019.	1.3	1
176	MnFe <sub>2</sub> O <sub>4</sub> /CdSe magneto-fluorescent nanocomposite for possible biomedical applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
177	Corrigendum to "Plant Leaves Extract Irrigation on Wound Healing in Diabetic Foot Ulcers": <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-3.	0.5	1
178	Amperometric Biosensor for the Sensitive Detection of Plasmodium falciparum Histidine Rich Protein-2 Antigen. <i>Sensor Letters</i> , 2011, 9, 1363-1369.	0.4	1
179	Respiratory Effects of Amifostine and DRDE-07: Probable Prophylactic Agents of Sulphur Mustard in Rats. <i>Defence Science Journal</i> , 2006, 56, 531-541.	0.5	1
180	A comparative study of the effect of amikacin administered through autoinjector and manual injection on biochemical parameters in rats. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 109-114.	0.7	1

#	ARTICLE	IF	CITATIONS
181	Evaluation of Antidiabetic Activity of Aqueous and Ethanolic Extracts of Leaves of Chloroxylon Swietenia in Streptozotocin (STZ) Induced Diabetes in Albino Rats. Biomedical and Pharmacology Journal, 2017, 10, 1347-1353.	0.2	1
182	Differential toxicity of sulfur mustard administered through percutaneous, subcutaneous, and oral routes. Toxicology and Applied Pharmacology, 2005, 204, 100.	1.3	0
183	Effect of dibenz(b,f)-1,4-oxazepine aerosol on the breathing pattern and respiratory variables by continuous recording and analysis in unanaesthetised mice. Toxicology Reports, 2020, 7, 1121-1126.	1.6	0
184	Self-esteem and Anxiety among Nursing Students. Indian Journal of Public Health Research and Development, 2016, 7, 120.	0.1	0
185	Effectiveness of Comprehensive Intervention Package on Psychological and Bio-Physiological Parameters among Adolescents-A Pilot Study. Indian Journal of Public Health Research and Development, 2016, 7, 195.	0.1	0
186	Effectiveness of Gooseberry Juice with Honey and Guava Juice with honey Compared with Control on Physiological Parameters among Adolescent girls Studying in Selected Schools. Indian Journal of Public Health Research and Development, 2018, 9, 79.	0.1	0
187	A Bacterial Profile of Scrub typhus Infections in North Karnataka and their Isolation by Serological and Molecular Method. Journal of Pure and Applied Microbiology, 2018, 12, 1201-1204.	0.3	0
188	New insights into odontological exploration of drowning using rat model - A pilot study. Journal of Forensic Odonto-Stomatology, 2019, 37, 51-62.	0.2	0