

Rajagopalan Vijayaraghavan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176
papers

5,474
citations

34
h-index

69
g-index

190
ext. papers

6,094
ext. citations

4.1
avg, IF

6
L-index

#	Paper	IF	Citations
176	Molecular Studies on the Nephroprotective Potential of against Lead-Acetate-Induced Nephrotoxicity in Experimental Rats: Role of the PI3K/AKT Signaling Pathway. <i>Molecules</i> , 2021 , 26,	4.8	1
175	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, 4757991	2.3	
174	Plant Leaves Extract Irrigation on Wound Healing in Diabetic Foot Ulcers. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 9924725	2.3	4
173	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	2.3	
172	Autoinjector - A smart device for emergency cum personal therapy. <i>Saudi Pharmaceutical Journal</i> , 2021 , 29, 1205-1215	4.4	1
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	4.8	1
170	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	0.2	1
169	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, 300060520926019	1.4	6
168	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	1.4	4
167	Protective effect of Carica papaya leaf extract against mercuric chloride-induced nephrotoxicity in wistar rats. <i>Pharmacognosy Magazine</i> , 2020 , 16, 379	0.8	1
166	HPLC characterization, acute and sub-acute toxicity evaluation of bark extract of in Swiss Albino mice. <i>Heliyon</i> , 2020 , 6, e03108	3.6	3
165	Effect of dibenz(b,f)-1,4-oxazepine aerosol on the breathing pattern and respiratory variables by continuous recording and analysis in unanaesthetised mice. <i>Toxicology Reports</i> , 2020 , 7, 1121-1126	4.8	
164	Insulin resistance and oxidative marker in women with PCOS. <i>Archives of Physiology and Biochemistry</i> , 2020 , 126, 183-186	2.2	22
163	Evaluation of salivary metabolomics in oral leukoplakia and oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2019 , 48, 299-306	3.3	32
162	New insights into odontological exploration of drowning using rat model - A pilot study. <i>Journal of Forensic Odonto-Stomatology</i> , 2019 , 37, 51-62	0.4	
161	MnFe ₂ O ₄ /CdSe magneto-fluorescent nanocomposite for possible biomedical applications 2018 ,		1
160	Acute inhalation toxicity study of n-heneicosane and its combination with diflubenzuron: An attracticide of <i>Aedes aegypti</i> . <i>Toxicology and Industrial Health</i> , 2018 , 34, 703-713	1.8	2

159	A Bacterial Profile of Scrub typhus Infections in North Karnataka and their Isolation by Serological and Molecular Method. <i>Journal of Pure and Applied Microbiology</i> , 2018 , 12, 1201-1204	0.9	
158	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	4.2	10
157	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	7.5	11
156	FOLIC ACID, VITAMIN B12, AND DNA METHYLATION: AN UPDATE.. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018 , 11, 17	0.4	3
155	Ethylene detection using TiO ₂ /WO ₃ composite sensor for fruit ripening applications. <i>Sensor Review</i> , 2017 , 37, 147-154	1.4	15
154	Chemical manipulation of oxygen vacancy and antibacterial activity in ZnO. <i>Materials Science and Engineering C</i> , 2017 , 77, 1027-1034	8.3	37
153	Investigations on the influence of Sm ³⁺ ion on the nano TiO ₂ matrix as the anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 205-215	5.7	11
152	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	4
151	A study on the safety evaluation of buprenorphine administered through an autoinjector compared with manual injection using haematological and biochemical variables in rats. <i>Human and Experimental Toxicology</i> , 2017 , 36, 901-909	3.4	3
150	Perylene-Diimide Based Donor-Acceptor-Donor Type Small-Molecule Acceptors for Solution-Processable Organic Solar Cells. <i>Journal of Electronic Materials</i> , 2017 , 46, 6784-6794	1.9	2
149	Simultaneous Fenton Photocatalytic Reactions through a New Single Catalyst (Nano ZnO ₂ /Fe ²⁺) for Dye Degradation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18557-18563	3.8	22
148	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	2.7	16
147	Synthesis and Lithium Storage Properties of Zn, Co and Mg doped SnO ₂ Nano Materials. <i>Electrochimica Acta</i> , 2017 , 247, 358-370	6.7	28
146	Composition driven structural transition in La ₂ Br ₂ CuRuO ₆ (0111) double perovskites. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1096-1101	5.7	3
145	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	2.8	2
144	A Concept of a Probable Autoinjector for Bio-threat Agents. <i>Defence Science Journal</i> , 2016 , 66, 464	1.4	4
143	Genotype-phenotype correlations of dyshormonogenetic goiter in children and adolescents from South India. <i>Indian Journal of Endocrinology and Metabolism</i> , 2016 , 20, 816-824	1.7	7
142	Insight into the Mechanism of Antibacterial Activity of ZnO: Surface Defects Mediated Reactive Oxygen Species Even in the Dark. <i>Langmuir</i> , 2015 , 31, 9155-62	4	364

141	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	2
140	Detection of methane using multi-walled carbon nanotubes. <i>Bulletin of Materials Science</i> , 2015 , 38, 909-913		5
139	Silica nanoparticle induces oxidative stress and provokes inflammation in human lung cells. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 983-1000	1.9	7
138	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	0.9	6
137	Genomics and phenomics of Hashimoto's thyroiditis in children and adolescents: a prospective study from Southern India. <i>Annals of Translational Medicine</i> , 2015 , 3, 280	3.2	3
136	Facile, scalable synthesis of nanocrystalline calcium zirconate by the solution combustion method. <i>Ceramics International</i> , 2014 , 40, 5781-5786	5.1	17
135	Solution based rapid synthesis of AgCuO ₂ at room temperature. <i>RSC Advances</i> , 2014 , 4, 62746-62750	3.7	8
134	Enhanced photocatalytic activity of nanocrystalline N-doped ZnSb ₂ O ₆ : role of N doping, cation ordering, particle size and crystallinity. <i>RSC Advances</i> , 2014 , 4, 65223-65231	3.7	21
133	Size-dependent effect of zinc oxide on toxicity and inflammatory potential of human monocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 177-91	3.2	74
132	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	15.5	1
131	Carbon black particle exhibits size dependent toxicity in human monocytes. <i>International Journal of Inflammation</i> , 2014 , 2014, 827019	6.4	65
130	Haematological and Biochemical Changes in Response to Stress Induced by the Administration of Amikacin Injection by Autoinjector in Animals. <i>Defence Science Journal</i> , 2014 , 64, 99-105	1.4	4
129	Time course pathogenesis of sulphur mustard-induced skin lesions in mouse model. <i>International Wound Journal</i> , 2013 , 10, 441-54	2.6	6
128	Noble metal ion-substituted ceria as efficient oxygen storage catalysts for clean combustion of fuels. <i>Applied Petrochemical Research</i> , 2013 , 3, 79-82	1.9	2
127	A possible correlation between antioxidant and antidiabetic potentials of oxovanadium(IV) complexes. <i>Medicinal Chemistry Research</i> , 2013 , 22, 2929-2937	2.2	13
126	The Electronic Structure and Properties of Solids 2013 , 153-176		4
125	Nanosized zinc oxide induces toxicity in human lung cells. <i>ISRN Toxicology</i> , 2013 , 2013, 316075		46
124	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	8.5	15

123	N,N'-dichloro-bis[2,4,6-trichlorophenyl]urea (CC2) and suspending agents used for the preparation of decontamination formulation against chemical warfare agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 107, 141-147	4.1	1
122	Quantitative estimation of DRDE-07 in mice urine using ion-paired reversed-phase high-performance liquid chromatography. <i>Analytical Methods</i> , 2012 , 4, 1019	3.2	1
121	Evaluation of wound-healing formulation against sulphur mustard-induced skin injury in mice. <i>Human and Experimental Toxicology</i> , 2012 , 31, 588-605	3.4	9
120	Improved Electric Wiring of Hemoglobin with Impure-Multiwalled Carbon Nanotube/Nafion Modified Glassy Carbon Electrode and Its Highly Selective Hydrogen Peroxide Biosensing. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 23692-23703	3.8	69
119	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, 977-84	5.8	6
118	Ferrimagnetism, antiferromagnetism, and magnetic frustration in $\text{La}_{2-x}\text{Sr}_x\text{CuRuO}_6$ ($0 \leq x \leq 1$). <i>Physical Review B</i> , 2012 , 86,	3.3	18
117	Greener Electrochemical Synthesis of High Quality Graphene Nanosheets Directly from Pencil and its SPR Sensing Application. <i>Advanced Functional Materials</i> , 2012 , 22, 2352-2362	15.6	116
116	High-Temperature Electrical Transport Property of Misfit Cobaltite of $\text{Ca}_{3-x}\text{Nd}_x\text{Co}_{4-x}\text{Cu}_x\text{O}_9$ ($x = 0.0$ D.4). <i>Advanced Materials Research</i> , 2012 , 584, 162-166	0.5	1
115	Development and Evaluation of Combined Drug Formulation for Autoject-injector, for Emergency Application in Organophosphate Poisoning. <i>Defence Science Journal</i> , 2012 , 62, 105-111	1.4	4
114	Autoinjector Device for Rapid Administration of Life Saving Drugs in Emergency. <i>Defence Science Journal</i> , 2012 , 62, 307-314	1.4	4
113	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, 100-7	5.1	52
112	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	3.2	15
111	Designing of mouse model: a new approach for studying sulphur mustard-induced skin lesions. <i>Burns</i> , 2011 , 37, 851-64	2.3	7
110	Synthesis, spectral characterization, and antidiabetic study of new furan-based vanadium(IV) complexes. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 511-524	1.6	12
109	A novel piezoelectric immunosensor for the detection of malarial Plasmodium falciparum histidine rich protein-2 antigen. <i>Talanta</i> , 2011 , 85, 1812-7	6.2	23
108	Interaction of ZnO nanoparticles with microbes--a physio and biochemical assay. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 813-22	4	73
107	Sun light assisted photocatalytic decontamination of sulfur mustard using ZnO nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2011 , 349, 55-62		40
106	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, 1890-5	12.8	47

105	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	8.5	5
104	Yeast expressed recombinant Hemagglutinin protein of novel H1N1 elicits neutralising antibodies in rabbits and mice. <i>Virology Journal</i> , 2011 , 8, 524	6.1	26
103	Effect of alpha-ketoglutarate on neurobehavioral, neurochemical and oxidative changes caused by sub-chronic cyanide poisoning in rats. <i>Neurochemical Research</i> , 2011 , 36, 540-8	4.6	16
102	Significance of porous structure on degradation of 2,2' dichloro diethyl sulphide and 2 chloroethyl ethyl sulphide on the surface of vanadium oxide nanostructure. <i>Journal of Hazardous Materials</i> , 2011 , 190, 1053-7	12.8	33
101	Supersensitive detection of T-2 toxin by the in situ synthesized β -conjugated molecularly imprinted nanopatterns. An in situ investigation by surface plasmon resonance combined with electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2534-40	11.8	39
100	Vapor phase catalytic degradation of bis(2-chloroethyl) ether on supported vanadia/titania catalyst. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 11-20	21.8	7
99	Photocatalytic inactivation of spores of Bacillus anthracis using titania nanomaterials. <i>Journal of Hazardous Materials</i> , 2011 , 185, 977-82	12.8	17
98	Differential toxicity profile of ricin isoforms correlates with their glycosylation levels. <i>Toxicology</i> , 2011 , 282, 56-67	4.4	21
97	Acute toxicity studies of safer and more effective analogues of N,N-diethyl-2-phenylacetamide. <i>Journal of Medical Entomology</i> , 2011 , 48, 1160-6	2.2	1
96	Behavioral responses and bioefficacy of some aromatic amides against Aedes aegypti. <i>Journal of Economic Entomology</i> , 2011 , 104, 1369-78	2.2	5
95	Attenuation of sulfur mustard toxicity by S-2(2-aminoethylamino)ethyl phenyl sulfide (DRDE-07) in mouse liver. <i>Toxicology Mechanisms and Methods</i> , 2011 , 21, 596-605	3.6	4
94	Preparation and Characterization of Nanocrystalline Zirconia Powders by the Glowing Combustion Method. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3651-3656	3.8	25
93	Denatured ricin can be detected as native ricin by immunological methods, but nontoxic in vivo. <i>Journal of Forensic Sciences</i> , 2010 , 55, 801-7	1.8	8
92	Oviposition pheromones in haematophagous insects. <i>Vitamins and Hormones</i> , 2010 , 83, 597-630	2.5	14
91	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	2.4	17
90	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, 747-55	3.4	8
89	Radiolabeling and dose fixation study of oral alpha-ketoglutarate as a cyanide antidote in healthy human volunteers. <i>Clinical Toxicology</i> , 2010 , 48, 509-15	2.9	11
88	Analgesic and anti-inflammatory activity of amifostine, DRDE-07, and their analogs, in mice. <i>Indian Journal of Pharmacology</i> , 2010 , 42, 17-20	2.5	15

87	Purification, characterization and toxicity profile of ricin isoforms from castor beans. <i>Food and Chemical Toxicology</i> , 2010 , 48, 3171-6	4.7	33
86	Synthesis and characterization of polypyrrole by cyclic voltammetry at different scan rate and its use in electrochemical reduction of the simulant of nerve agents. <i>Synthetic Metals</i> , 2010 , 160, 2631-2637 ^{3,6}	3.6	20
85	Amperometric immunosensor for ricin by using on graphite and carbon nanotube paste electrodes. <i>Talanta</i> , 2010 , 81, 703-8	6.2	30
84	Synthesis and Characterization of Bioceramic Calcium Phosphates by Rapid Combustion Synthesis. <i>Journal of Materials Science and Technology</i> , 2010 , 26, 1114-1118	9.1	45
83	Amperometric immunosensor based on gold nanoparticles/alumina sol-gel modified screen-printed electrodes for antibodies to Plasmodium falciparum histidine rich protein-2. <i>Analyst, The</i> , 2010 , 135, 608-14	5	33
82	Comparative effects of insect repellent N,N-diethylbenzamide, N,N-diethylphenylacetamide, and N,N-diethyl-3- methylbenzamide aerosols on the breathing pattern and respiratory variables in mice. <i>Inhalation Toxicology</i> , 2010 , 22, 469-78	2.7	9
81	Comparative effects of pyrolytic products of fiber reinforced plastic and wood shavings on the respiratory variables in mice. <i>Inhalation Toxicology</i> , 2010 , 22, 778-84	2.7	2
80	Low temperature synthesis of Ba _{1-x} Sr _x SnO ₃ (x = 0.1) from molten alkali hydroxide flux. <i>Bulletin of Materials Science</i> , 2010 , 33, 75-78	1.7	14
79	A study on the glucose lowering effects of ester-based oxovanadium complexes. <i>Transition Metal Chemistry</i> , 2010 , 35, 865-870	2.1	9
78	Ionic Liquid as an Alternative Greener Sensing Medium for the Chemical Warfare Agent. <i>Electroanalysis</i> , 2010 , 22, 1357-1363	3	6
77	Decontamination of Yperite using mesoporous mixed metal oxide nanocrystals. <i>Journal of Hazardous Materials</i> , 2010 , 183, 847-52	12.8	19
76	Thermal decomposition studies of riot control agent Ethchloroacetophenone (CN) by pyrolysis-gas chromatography-mass spectrometry. <i>Journal of Hazardous Materials</i> , 2010 , 184, 506-514	12.8	3
75	Molecularly imprinted polymer for the recognition of biological warfare agent staphylococcal enterotoxin B based on Surface Plasmon Resonance. <i>Thin Solid Films</i> , 2010 , 519, 1115-1121	2.2	26
74	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	2.2	23
73	Comparative evaluation of modified whetlerites and impregnated carbons for sulphur mustard degradation. <i>Carbon</i> , 2010 , 48, 2-7	10.4	3
72	Chemical warfare agents. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2010 , 2, 166-78	1.1	198
71	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		5
70	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		6

69	Medical Countermeasures and Other Therapeutic Strategies for Sulfur Mustard Toxicity 2009 , 897-918		6
68	High-temperature resistivity and thermoelectric properties of coupled substituted CaCoO. <i>Science and Technology of Advanced Materials</i> , 2009 , 10, 015007	7.1	15
67	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, 208-18	4.6	46
66	Electroantennogram, flight orientation, and oviposition responses of <i>Aedes aegypti</i> to the oviposition pheromone n-heneicosane. <i>Parasitology Research</i> , 2009 , 104, 827-33	2.4	45
65	Molecularly imprinted nanopatterns for the recognition of biological warfare agent ricin. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 592-8	11.8	24
64	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. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 832-8	11.8	136
63	Photocatalytic inactivation of <i>Bacillus anthracis</i> by titania nanomaterials. <i>Journal of Hazardous Materials</i> , 2009 , 165, 506-10	12.8	45
62	Nanocrystalline zinc oxide for the decontamination of sarin. <i>Journal of Hazardous Materials</i> , 2009 , 165, 928-32	12.8	113
61	Reactions of sulphur mustard and sarin on V 1.02 O 2.98 nanotubes. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1545-9	12.8	32
60	Modified titania nanotubes for decontamination of sulphur mustard. <i>Journal of Hazardous Materials</i> , 2009 , 167, 1192-7	12.8	49
59	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, 1092-6	3.5	16
58	Impregnated carbon based catalyst for protection against carbon monoxide gas. <i>Applied Catalysis B: Environmental</i> , 2009 , 88, 257-262	21.8	8
57	Detection of chemical warfare agent Nitrogen Mustard-1 based on conducting polymer phthalocyanine nanorod modified electrode. <i>Synthetic Metals</i> , 2009 , 159, 1960-1967	3.6	13
56	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, 243-50	4.4	9
55	Role of inflammatory cytokines and DNA damage repair proteins in sulfur mustard exposed mice liver. <i>Toxicology Mechanisms and Methods</i> , 2009 , 19, 356-62	3.6	10
54	Ozone assisted partial oxidation of DMS to DMSO on Fe based catalyst. <i>Catalysis Communications</i> , 2009 , 11, 77-81	3.2	13
53	Prophylactic Efficacy of Amifostine, DRDE-07, and their Analogues against Percutaneously Administered Nitrogen Mustards and Sulphur Mustard. <i>Defence Science Journal</i> , 2009 , 59, 512-516	1.4	3
52	Enhanced bioactivity of ZnO nanoparticles-an antimicrobial study. <i>Science and Technology of Advanced Materials</i> , 2008 , 9, 035004	7.1	973

51	Conversion from mycophenolate mofetil to enteric-coated mycophenolate sodium in renal transplant recipients with gastrointestinal tract disorders. <i>Transplantation Proceedings</i> , 2008 , 40, 2262-7 ^{1.1}	4.0	40
50	Highly sensitive amperometric immunosensor for detection of Plasmodium falciparum histidine-rich protein 2 in serum of humans with malaria: comparison with a commercial kit. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 3759-65	9.7	44
49	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	7.1	13
48	Al ₂ O ₃ nanoparticles with and without polyoxometalates as reactive sorbents for the removal of sulphur mustard. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 364-375	5.3	17
47	New diketone based vanadium complexes as insulin mimetics. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 2206-10	6.8	50
46	Solution combustion synthesis of bioceramic calcium phosphates by single and mixed fuels: a comparative study. <i>Ceramics International</i> , 2008 , 34, 1373-1379	5.1	55
45	Carbon Nanotubes: Detection of Chemical and Biological Warfare Agents. <i>Defence Science Journal</i> , 2008 , 58, 617-625	1.4	12
44	Respiratory Protection Against Chemical and Biological Warfare Agents. <i>Defence Science Journal</i> , 2008 , 58, 686-697	1.4	17
43	Comparative evaluation of some flavonoids and tocopherol acetate against the systemic toxicity induced by sulphur mustard. <i>Indian Journal of Pharmacology</i> , 2008 , 40, 114-20	2.5	13
42	Protective Effect of Quercetin Against Sulphur Mustard-induced Oxidative Stress in Mice. <i>Defence Science Journal</i> , 2007 , 57, 707-720	1.4	9
41	Prophylactic effect of gossypin against percutaneously administered sulfur mustard. <i>Biomedical and Environmental Sciences</i> , 2007 , 20, 250-9	1.1	21
40	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, 115-25 ^{4.1}	4.1	24
39	Electron-spectroscopic investigation of the metal-insulator transition in Sr ₂ Ru _{1-x} Ti _x O ₄ (x=0.6). <i>Physical Review B</i> , 2006 , 73,	3.3	13
38	Effect of trolox and quercetin on sulfur mustard-induced cytotoxicity in human peripheral blood lymphocytes. <i>Indian Journal of Pharmacology</i> , 2006 , 38, 38	2.5	3
37	Protective role of vitamin E on the oxidative stress in Hansen's disease (Leprosy) patients. <i>European Journal of Clinical Nutrition</i> , 2005 , 59, 1121-8	5.2	29
36	Effect of sub-acute oral cyanide administration in rats: protective efficacy of alpha-ketoglutarate and sodium thiosulfate. <i>Chemico-Biological Interactions</i> , 2005 , 156, 1-12	5	27
35	Mechanism of ricin-induced apoptosis in human cervical cancer cells. <i>Biochemical Pharmacology</i> , 2005 , 69, 855-65	6	72
34	Differential toxicity of sulfur mustard administered through percutaneous, subcutaneous, and oral routes. <i>Toxicology and Applied Pharmacology</i> , 2005 , 202, 180-8	4.6	49

33	Differential toxicity of sulfur mustard administered through percutaneous, subcutaneous, and oral routes. <i>Toxicology and Applied Pharmacology</i> , 2005 , 204, 100	4.6	
32	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	2.5	9
31	Rapid Detection of Ricin by Sensitising Carboxylated Latex Particles by Ricin Antibodies. <i>Defence Science Journal</i> , 2004 , 54, 57-63	1.4	7
30	Purification and Biochemical Characterisation of Ricin from Castor Seeds. <i>Defence Science Journal</i> , 2004 , 54, 345-351	1.4	4
29	Comparative toxicity evaluation of cyanobacterial cyclic peptide toxin microcystin variants (LR, RR, YR) in mice. <i>Toxicology</i> , 2003 , 188, 285-96	4.4	336
28	Oxidative stress associated hepatic and renal toxicity induced by ricin in mice. <i>Toxicol</i> , 2003 , 41, 333-8	2.8	73
27	In vivo protection by amifostine and DRDE-07 against sulphur mustard toxicity. <i>Human and Experimental Toxicology</i> , 2002 , 21, 371-6	3.4	26
26	Promising role of alpha-ketoglutarate in protecting against the lethal effects of cyanide. <i>Human and Experimental Toxicology</i> , 2002 , 21, 297-303	3.4	33
25	In vitro and in vivo attenuation of experimental cyanide poisoning by alpha-ketoglutarate. <i>Toxicology Letters</i> , 2002 , 128, 185-95	4.4	33
24	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	1.1	12
23	Prophylactic efficacy of amifostine and its analogues against sulphur mustard toxicity. <i>Toxicology</i> , 2001 , 163, 83-91	4.4	29
22	Acute toxicity studies of alpha-ketoglutarate: a promising antidote for cyanide poisoning. <i>Journal of Applied Toxicology</i> , 2001 , 21, 495-9	4.1	10
21	Protective effects of amifostine and its analogues on sulfur mustard toxicity in vitro and in vivo. <i>Toxicology and Applied Pharmacology</i> , 2001 , 176, 24-33	4.6	30
20	Protective effect of various antioxidants on the toxicity of sulphur mustard administered to mice by inhalation or percutaneous routes. <i>Chemico-Biological Interactions</i> , 2001 , 134, 1-12	5	86
19	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	1.1	19
18	Sulphur mustard induced DNA damage in mice after dermal and inhalation exposure. <i>Toxicology</i> , 1999 , 139, 39-51	4.4	55
17	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	4.2	19
16	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	1.1	15

15	Effects of oxygen non-stoichiometry and cationic substitutions on the properties of Sr ₂ RuO ₄ + □ <i>Materials Chemistry and Physics</i> , 1998 , 56, 63-69	4.4	11
14	Effect of sulphur mustard inhalation exposure on some urinary variables in mice. <i>Journal of Applied Toxicology</i> , 1998 , 18, 257-9	4.1	11
13	Treatment for Sulphur Mustard Poisoning -A Review. <i>Defence Science Journal</i> , 1998 , 48, 155-162	1.4	9
12	Protective efficacy of calcium channel blockers in sulphur mustard poisoning. <i>Biomedical and Environmental Sciences</i> , 1998 , 11, 363-9	1.1	9
11	Modifications of breathing pattern induced by inhaled sulphur mustard in mice. <i>Archives of Toxicology</i> , 1997 , 71, 157-64	5.8	33
10	Effect on Physiological Variables and Urinary Metabolites following a Single Dermal Application of Sulphur Mustard in Rats. <i>Defence Science Journal</i> , 1997 , 47, 389-394	1.4	3
9	Dose dependent effects on lymphoid organs following a single dermal application of sulphur mustard in mice. <i>Human and Experimental Toxicology</i> , 1994 , 13, 247-51	3.4	10
8	Computer assisted recognition and quantitation of the effects of airborne chemicals acting at different areas of the respiratory tract in mice. <i>Archives of Toxicology</i> , 1994 , 68, 490-9	5.8	109
7	Therapeutic Efficacy of Saline and Glucose Saline against Dermal applied Sulphur Mustard Intoxication in Mice. <i>Defence Science Journal</i> , 1994 , 44, 21-23	1.4	4
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5	Dermal intoxication of mice with bis(2-chloroethyl)sulphide and the protective effect of flavonoids. <i>Toxicology</i> , 1991 , 69, 35-42	4.4	61
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