

Joao Batista da Rocha

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.

593
papers

18,546
citations

65
h-index

103
g-index

626
ext. papers

20,356
ext. citations

4.2
avg, IF

6.78
L-index

#	Paper	IF	Citations
593	A Novel Diselenide-Probuticol-Analogue Protects Against Methylmercury-Induced Toxicity in HT22 Cells by Upregulating Peroxide Detoxification Systems: a Comparison with Diphenyl Diselenide.. <i>Neurotoxicity Research</i> , 2022 , 40, 127-139	4.3	
592	Ghrelin attenuates methylmercury-induced oxidative stress in neuronal cells.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	1
591	Fluorinated N-quinoxaline-based boron complexes: Synthesis, photophysical properties, and selective DNA/BSA biointeraction. <i>Journal of Molecular Structure</i> , 2022 , 1255, 132444	3.4	0
590	Effect of Solanum vegetables on memory index, redox status, and expressions of critical neural genes in Drosophila melanogaster model of memory impairment.. <i>Metabolic Brain Disease</i> , 2022 , 1	3.9	2
589	An assessment of the rescue action of resveratrol in parkin loss of function-induced oxidative stress in Drosophila melanogaster.. <i>Scientific Reports</i> , 2022 , 12, 3922	4.9	1
588	Cytotoxicity of Cymbopogon citratus (DC) Stapf fractions, essential oil, citral, and geraniol in human leukocytes and erythrocytes.. <i>Journal of Ethnopharmacology</i> , 2022 , 115147	5	0
587	Utility of cockroach as a model organism in the assessment of toxicological impacts of environmental pollutants. <i>Environmental Advances</i> , 2022 , 8, 100195	3.5	1
586	Mercury and cancer: Where are we now after two decades of research?. <i>Food and Chemical Toxicology</i> , 2022 , 113001	4.7	2
585	The Modulatory Role of sti-1 in Methylmercury-Induced Toxicity in Caenorhabditis elegans.. <i>Neurotoxicity Research</i> , 2022 , 40, 837	4.3	0
584	Toxic metals that interact with thiol groups and alteration in insect behavior.. <i>Current Opinion in Insect Science</i> , 2022 , 52, 100923	5.1	0
583	Therapeutic applications of low-molecular-weight thiols and selenocompounds 2022 , 643-677		1
582	Selenium Neuroprotection in Neurodegenerative Disorders 2021 , 1-35		0
581	7-Amine-spiro[chromeno[4,3-b]quinoline-6,1'-cycloalkanes]: Synthesis and cholinesterase inhibitory activity of structurally modified tacrines. <i>Bioorganic Chemistry</i> , 2021 , 108, 104649	5.1	2
580	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , 2021 , 95, 1179-1226	5.8	40
579	In silico Studies on the Interaction between Mpro and PLpro From SARS-CoV-2 and Ebselen, its Metabolites and Derivatives. <i>Molecular Informatics</i> , 2021 , 40, e2100028	3.8	15
578	Dietary inclusions of Solanum vegetables mitigate aluminum-induced redox and inflammation-related neurotoxicity in model. <i>Nutritional Neuroscience</i> , 2021 , 1-15	3.6	3
577	Streptozotocin activates inflammation-associated signalling and antioxidant response in the lobster cockroach; Nauphoeta cinerea (Blattodea: Blaberidae). <i>Chemico-Biological Interactions</i> , 2021 , 345, 109563	5	

576	Methylmercury Can Facilitate the Formation of Dehydroalanine in Selenoenzymes: Insight from DFT Molecular Modeling. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1655-1663	4	2
575	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021 , 46, 120-130	4.6	18
574	Toxicological outcome of exposure to psychoactive drugs carbamazepine and diazepam on non-target insect <i>Nauphoeta cinerea</i> . <i>Chemosphere</i> , 2021 , 264, 128449	8.4	4
573	Streptozotocin induces brain glucose metabolic changes and alters glucose transporter expression in the Lobster cockroach; <i>Nauphoeta cinerea</i> (Blattodea: Blaberidae). <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 1109-1121	4.2	7
572	New 1-(Spiro[chroman-2,1?-cycloalkan]-4-yl)-1H-1,2,3-Triazoles: Synthesis, QTAIM/MEP analyses, and DNA/HSA-binding assays. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114729	6	9
571	Chronic exposure to methylmercury enhances the anorexigenic effects of leptin in C57BL/6J male mice. <i>Food and Chemical Toxicology</i> , 2021 , 147, 111924	4.7	3
570	Chalcogen-Nitrogen Bond: Insights into a Key Chemical Motif. <i>Catalysts</i> , 2021 , 11, 114	4	2
569	A toxicological comparison between two uranium compounds in <i>Artemia salina</i> : Artificial seawater containing CaCO. <i>Marine Environmental Research</i> , 2021 , 163, 105221	3.3	
568	Design, Synthesis, and Cholinesterase Inhibitory Activity of 4-Substituted-6-(trihalomethyl)-2-methylsulfanyl Pyrimidines. <i>ChemistrySelect</i> , 2021 , 6, 1204-1209	1.8	2
567	(PhSe) and (Cl-PhSe) organochalcogen compounds inhibit adhesion to human endocervical (HeLa) cells and show anti-biofilm activities. <i>Biofouling</i> , 2021 , 37, 235-245	3.3	0
566	Effect of Methylmercury Binding on the Peroxide-Reducing Potential of Cysteine and Selenocysteine. <i>Inorganic Chemistry</i> , 2021 , 60, 4646-4656	5.1	3
565	Mechanistic Insight into SARS-CoV-2 Mpro Inhibition by Organoselenides: The Ebselen Case Study. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6291	2.6	7
564	The antioxidant role of STAT3 in methylmercury-induced toxicity in mouse hypothalamic neuronal GT1-7' cell line. <i>Free Radical Biology and Medicine</i> , 2021 , 171, 245-259	7.8	4
563	Chronic ciprofloxacin and atrazine co-exposure aggravates locomotor and exploratory deficits in non-target detritivore speckled cockroach (<i>Nauphoeta cinerea</i>). <i>Environmental Science and Pollution Research</i> , 2021 , 28, 25680-25691	5.1	2
562	Developmental exposure to methylmercury and ADHD, a literature review of epigenetic studies. <i>Environmental Epigenetics</i> , 2021 , 7, dvab014	2.4	0
561	Pyrazole-Enaminones as Promising Prototypes for the Development of Analgesic Drugs. <i>ChemistrySelect</i> , 2020 , 5, 14620-14625	1.8	4
560	Effects of Gender and Geographical Origin on the Chemical Composition and Antiradical Activity of and. <i>Foods</i> , 2020 , 9,	4.9	1
559	Transcriptomic and Proteomic Tools in the Study of Hg Toxicity: What Is Missing?. <i>Frontiers in Genetics</i> , 2020 , 11, 425	4.5	7

558	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020 , 417, 213343-213343	3.3	55
557	Regioselective Synthesis of Pyrazolyl-pyrimidine Hybrids of Pharmacological Interest. <i>Synthesis</i> , 2020 , 52, 2347-2356	2.9	2
556	Research trends in chemico-biological interactions: The golden jubilee (1969-2019). <i>Chemico-Biological Interactions</i> , 2020 , 327, 109177	5	3
555	8. Chemistry and pharmacology of synthetic organoselenium compounds 2020 , 305-346		3
554	Hazardous impact of diclofenac exposure on the behavior and antioxidant defense system in <i>Nauphoeta cinerea</i> . <i>Environmental Pollution</i> , 2020 , 265, 115053	9.3	6
553	Non-traditional intrinsic luminescence of amphiphilic-based ionic liquids from oxazolidines: Interaction studies in phosphatidylcholine-composed liposomes and BSA optical sensing in solution. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113525	6	3
552	Transcriptional analyses of acute per os exposure and co-exposure of 4-vinylcyclohexene and methylmercury-contaminated diet in adults of <i>Drosophila melanogaster</i> . <i>Environmental Pollution</i> , 2020 , 263, 114632	9.3	2
551	Glutathione in Chlorpyrifos-and Chlorpyrifos-Oxon-Induced Toxicity: a Comparative Study Focused on Non-cholinergic Toxicity in HT22 Cells. <i>Neurotoxicity Research</i> , 2020 , 38, 603-610	4.3	5
550	Cyclophosphamide in <i>Drosophila</i> promotes genes and transposable elements differential expression and mitochondrial dysfunction. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020 , 230, 108718	3.2	1
549	Modified expression of antioxidant genes in lobster cockroach, <i>Nauphoeta cinerea</i> exposed to methylmercury and monosodium glutamate. <i>Chemico-Biological Interactions</i> , 2020 , 318, 108969	5	10
548	Therapeutic Efficacy of the N,N' Bis-(2-Mercaptoethyl) Isophthalamide Chelator for Methylmercury Intoxication in <i>Caenorhabditis elegans</i> . <i>Neurotoxicity Research</i> , 2020 , 38, 133-144	4.3	4
547	Synthesis and biological evaluation of new antioxidant and antiproliferative chalcogenobiotin derivatives for bladder carcinoma treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115423	3.4	0
546	Bibliometric Analysis of Current Drug Metabolism: The Twentieth Anniversary from 2000-2019. <i>Current Drug Metabolism</i> , 2020 , 21, 685-703	3.5	2
545	Methyl and Ethylmercury elicit oxidative stress and unbalance the antioxidant system in <i>Saccharomyces cerevisiae</i> . <i>Chemico-Biological Interactions</i> , 2020 , 315, 108867	5	1
544	Neuroprotective mechanisms of selenium against arsenic-induced behavioral impairments in rats. <i>NeuroToxicology</i> , 2020 , 76, 99-110	4.4	13
543	Synthesis, photophysical characterization, CASSCF/CASPT2 calculations and CT-DNA interaction study of amino and azido benzazole analogues. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111938	6	6
542	Measured data of (Diptera <i>Drosophilidae</i>) development and learning and memory behaviour after copper exposition. <i>Data in Brief</i> , 2020 , 28, 104986	1.2	1
541	High level of methylmercury exposure causes persisted toxicity in <i>Nauphoeta cinerea</i> . <i>Environmental Science and Pollution Research</i> , 2020 , 27, 4799-4813	5.1	9

540	Triplaris gardneriana seeds extract exhibits in vitro anti-inflammatory properties in human neutrophils after oxidative treatment. <i>Journal of Ethnopharmacology</i> , 2020 , 250, 112474	5	5
539	Molecular docking and in vitro evaluation of a new hybrid molecule (JM-20) on cholinesterase activity from different sources. <i>Biochimie</i> , 2020 , 168, 297-306	4.6	4
538	Copper decreases associative learning and memory in <i>Drosophila melanogaster</i> . <i>Science of the Total Environment</i> , 2020 , 710, 135306	10.2	19
537	Ten years of Arabian Journal of Chemistry: A bibliometric analysis. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 7720-7743	5.9	2
536	The Insecticidal Activity of (Werner, 1894) Paratoid Secretion in Coccoaches. <i>Toxins</i> , 2020 , 12,	4.9	1
535	Cephalic Neuronal Vesicle Formation is Developmentally Dependent and Modified by Methylmercury and sti-1 in <i>Caenorhabditis elegans</i> . <i>Neurochemical Research</i> , 2020 , 45, 2939-2948	4.6	4
534	Chalcogen-mercury bond formation and disruption in model Rabenstein's reactions: A computational analysis. <i>Journal of Computational Chemistry</i> , 2020 , 41, 2045-2054	3.5	6
533	The SeS/N interactions as a possible mechanism of δ -aminolevulinic acid dehydratase enzyme inhibition by organoselenium compounds: A computational study. <i>Computational Toxicology</i> , 2020 , 15, 100127	3.1	4
532	The Role of Human LRRK2 in Methylmercury-Induced Inhibition of Microvesicle Formation of Cephalic Neurons in <i>Caenorhabditis elegans</i> . <i>Neurotoxicity Research</i> , 2020 , 38, 751-764	4.3	4
531	Effects of CATECHIN on reserpine-induced vacuous chewing movements: behavioral and biochemical analysis. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020 , 393, 2439-2452	3.4	3
530	Cockroaches: an alternative model to teach enzymatic inhibition to undergraduate students. <i>Journal of Biological Education</i> , 2020 , 1-11	0.9	1
529	Selenium abates reproductive dysfunction via attenuation of biometal accumulation, oxido-inflammatory stress and caspase-3 activation in male rats exposed to arsenic. <i>Environmental Pollution</i> , 2019 , 254, 113079	9.3	12
528	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129284	4	40
527	Mercury in Our Food. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1459-1461	4	15
526	Dietary supplementation of jute leaf (<i>Corchorus olitorius</i>) modulates hepatic delta-aminolevulinic acid dehydratase (δ ALAD) activity and oxidative status in high-fat fed/low streptozotocin-induced diabetic rats. <i>Journal of Food Biochemistry</i> , 2019 , 43, e12949	3.3	3
525	Tacrine-pyrimidine photoactive molecular hybrids: Synthesis, photophysics, docking and BSA interaction study. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110983	6	3
524	Research trends in food chemistry: A bibliometric review of its 40 years anniversary (1976-2016). <i>Food Chemistry</i> , 2019 , 294, 448-457	8.5	49
523	Acute oral toxicity and antioxidant studies of an amine-based diselenide. <i>BMC Complementary and Alternative Medicine</i> , 2019 , 19, 80	4.7	1

522	JM-20 protects memory acquisition and consolidation on scopolamine model of cognitive impairment. <i>Neurological Research</i> , 2019 , 41, 385-398	2.7	6
521	Glycoconjugates Based on Supramolecular Tröger's Base Scaffold: Synthesis, Photophysics, Docking, and BSA Association Study. <i>ACS Omega</i> , 2019 , 4, 13509-13519	3.9	8
520	Brain diseases in changing climate. <i>Environmental Research</i> , 2019 , 177, 108637	7.9	16
519	Improvement of mitochondrial function by <i>Tapinanthus globifer</i> (A.Rich.) Tiegh. Against hepatotoxic agent in isolated rat's liver mitochondria. <i>Journal of Ethnopharmacology</i> , 2019 , 242, 112026 ⁵		2
518	<i>Staphylococcus aureus</i> -induced sepsis in the lobster cockroach <i>Nauphoeta cinerea</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019 , 66, 101343	2.6	2
517	Assessing the toxicant effect of spontaneously volatilized 4-vinylcyclohexane exposure in nymphs of the lobster cockroach <i>nauphoeta cinerea</i> . <i>Environmental Toxicology and Pharmacology</i> , 2019 , 72, 103254 ^{5,8}		6
516	Delta-Aminolevulinatase and glutathione peroxidase activity in Alzheimer's disease: a case-control study. <i>EXCLI Journal</i> , 2019 , 18, 866-875	2.4	
515	Simultaneous exposure to vinylcyclohexene and methylmercury in <i>Drosophila melanogaster</i> : biochemical and molecular analyses. <i>BMC Pharmacology & Toxicology</i> , 2019 , 20, 83	2.6	8
514	Biochemical CuSO Toxicity in <i>Drosophila melanogaster</i> Depends on Sex and Developmental Stage of Exposure. <i>Biological Trace Element Research</i> , 2019 , 189, 574-585	4.5	15
513	Methylglyoxal disturbs the expression of antioxidant, apoptotic and glycation responsive genes and triggers programmed cell death in human leukocytes. <i>Toxicology in Vitro</i> , 2019 , 55, 33-42	3.6	12
512	Post-translational modifications in MeHg-induced neurotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2068-2081	6.9	19
511	Thimerosal inhibits <i>Drosophila melanogaster</i> tyrosine hydroxylase (DmTyrH) leading to changes in dopamine levels and impaired motor behavior: implications for neurotoxicity. <i>Metallomics</i> , 2019 , 11, 362-374	4.5	14
510	Diphenyl diselenide protects neuronal cells against oxidative stress and mitochondrial dysfunction: Involvement of the glutathione-dependent antioxidant system. <i>Redox Biology</i> , 2019 , 20, 118-129	11.3	28
509	Novel aryl(heteroaryl)-substituted (pyrimidyl)benzamide-based BF ₂ complexes: Synthesis, photophysical properties, BSA-binding, and molecular docking analysis. <i>Dyes and Pigments</i> , 2019 , 161, 396-402	4.6	13
508	Coffee, caffeine, chlorogenic acid, and the purinergic system. <i>Food and Chemical Toxicology</i> , 2019 , 123, 298-313	4.7	43
507	Substituent, structural and positional isomerisation alter anti-oxidant activity of organochalcogen compounds in rats brain preparations. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 1268-1276	5.9	0
506	Productivity of CNPq Researchers from Different Fields in Biomedical Sciences: The Need for Objective Bibliometric Parameters-A Report from Brazil. <i>Science and Engineering Ethics</i> , 2019 , 25, 1037-1055	2.1	8
505	Cytoprotective effect of <i>Eugenia uniflora</i> L. against the waste contaminant mercury chloride. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 4197-4203	5.9	12

504	Discovery of potential visfatin activators using in silico docking and ADME predictions as therapy for type 2 diabetes. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2018 , 7, 241-249	2.2	10
503	Forebrain glutamate uptake and behavioral parameters are altered in adult zebrafish after the induction of Status Epilepticus by kainic acid. <i>NeuroToxicology</i> , 2018 , 67, 305-312	4.4	11
502	New 3H-Triazolyl-5-Ethyl-chalcogenothymidine: Synthesis and Anti-oxidant and Antiproliferative Bladder Carcinoma (5637) Activity. <i>ChemistrySelect</i> , 2018 , 3, 3479-3486	1.8	6
501	Extending the analysis of zebrafish behavioral endophenotypes for modeling psychiatric disorders: Fear conditioning to conspecific alarm response. <i>Behavioural Processes</i> , 2018 , 149, 35-42	1.6	28
500	Oxidative stress, caspase-3 activation and cleavage of ROCK-1 play an essential role in MeHg-induced cell death in primary astroglial cells. <i>Food and Chemical Toxicology</i> , 2018 , 113, 328-336	4.7	28
499	Angiotensin-1-converting enzyme inhibition, antioxidant activity, and modulation of cerebral Na ⁺ /K ⁺ ATPase by free phenolics of African locust bean (<i>Parkia biglobosa</i>). <i>Health Science Reports</i> , 2018 , 1, e17	2.2	3
498	Ethyl acetate fraction of <i>Cymbopogon citratus</i> as a potential source of antioxidant compounds. <i>New Journal of Chemistry</i> , 2018 , 42, 3642-3652	3.6	7
497	Gender-based behavioral and biochemical effects of diphenyl diselenide in <i>Drosophila melanogaster</i> . <i>Chemico-Biological Interactions</i> , 2018 , 279, 196-202	5	5
496	1,1-Difluoro-3-aryl(heteroaryl)-1H-pyrido[1,2-c][1,3,5,2]oxadiazaborinin-9-ium-1-uides: synthesis; structure; and photophysical, electrochemical, and BSA-binding studies. <i>New Journal of Chemistry</i> , 2018 , 42, 1913-1920	3.6	14
495	Caffeine-supplemented diet modulates oxidative stress markers and improves locomotor behavior in the lobster cockroach <i>Nauphoeta cinerea</i> . <i>Chemico-Biological Interactions</i> , 2018 , 282, 77-84	5	11
494	Diselenoamino acid derivatives as GPx mimics and as substrates of TrxR: in vitro and in silico studies. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3777-3787	3.9	15
493	Pharmacological mechanisms underlying gastroprotective activities of binaphthyl diselenide in Wistar rats. <i>Inflammopharmacology</i> , 2018 , 26, 1117-1123	5.1	4
492	The Relationship Between Copper, Iron, and Selenium Levels and Alzheimer Disease. <i>Biological Trace Element Research</i> , 2018 , 181, 185-191	4.5	31
491	Toxicity against <i>Drosophila melanogaster</i> and antiedematogenic and antimicrobial activities of <i>Alternanthera brasiliana</i> (L.) Kuntze (Amaranthaceae). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10353-10361	5.1	5
490	<i>Syzygium cumini</i> leaf extract inhibits LDL oxidation, but does not protect the lipoprotein from glycation. <i>Journal of Ethnopharmacology</i> , 2018 , 210, 69-79	5	12
489	Molecular docking analysis of acetylcholinesterase corroborates the protective effect of pralidoxime against chlorpyrifos-induced behavioral and neurochemical impairments in <i>Nauphoeta cinerea</i> . <i>Computational Toxicology</i> , 2018 , 8, 25-33	3.1	8
488	Safety profile of AZT derivatives: Organoselenium moieties confer different cytotoxic responses in fresh human erythrocytes during in vitro exposures. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 50, 240-248	4.1	1
487	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018 , 6,	4.7	49

486	The cytoplasmic thioredoxin system in <i>Caenorhabditis elegans</i> affords protection from methylmercury in an age-specific manner. <i>NeuroToxicology</i> , 2018 , 68, 189-202	4.4	4
485	Selenothymidine protects against biochemical and behavioral alterations induced by ICV-STZ model of dementia in mice. <i>Chemico-Biological Interactions</i> , 2018 , 294, 135-143	5	6
484	Diphenyl diselenide abrogates chlorpyrifos-induced hypothalamic-pituitary-testicular axis impairment in rats. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 171-176	3.4	17
483	Neurodevelopmental Effects of Mercury. <i>Advances in Neurotoxicology</i> , 2018 , 2, 27-86	1.6	16
482	The Organochalcogen Compound (MeOPhSe) ₂ Inhibits Both Formation and the Viability of the Biofilm Produced by <i>Candida albicans</i> , at Different Stages of Development. <i>Current Pharmaceutical Design</i> , 2018 , 24, 3964-3971	3.3	2
481	Neuroprotective Effects of <i>Melissa officinalis</i> on Oxygen and Glucose Deficiency Induced Damage in Rat Brain Cortex Slices. <i>International Journal of Pharmacology</i> , 2018 , 14, 781-786	0.7	1
480	In Silico Studies of Mammalian BCLAD Interactions with Selenides and Selenoxides. <i>Molecular Informatics</i> , 2018 , 37, e1700091	3.8	6
479	<i>Peumus boldus</i> attenuates copper-induced toxicity in <i>Drosophila melanogaster</i> . <i>Biomedicine and Pharmacotherapy</i> , 2018 , 97, 1-8	7.5	14
478	Toxicity of organochalcogens in human leukocytes is associated, but not directly related with reactive species production, apoptosis and changes in antioxidant gene expression. <i>Free Radical Research</i> , 2018 , 52, 1158-1169	4	3
477	Diphenyl diselenide abrogates brain oxidative injury and neurobehavioural deficits associated with pesticide chlorpyrifos exposure in rats. <i>Chemico-Biological Interactions</i> , 2018 , 296, 105-116	5	33
476	Distribution of selenium in sheep treated with diphenyl diselenide. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2018 , 70, 1017-1022	0.3	1
475	Dietary co-exposure to methylmercury and monosodium glutamate disrupts cellular and behavioral responses in the lobster cockroach, <i>Nauphoeta cinerea</i> model. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 64, 70-77	5.8	8
474	A New Protocol for the Synthesis of New Thioaryl-Porphyrins Derived from 5,10,15,20-Tetrakis(pentafluorophenyl)porphyrin: Photophysical Evaluation and DNA-Binding Interactive Studies. <i>Molecules</i> , 2018 , 23,	4.8	11
473	Lophine and pyrimidine based photoactive molecular hybrids. Synthesis, photophysics, BSA interaction and DFT study. <i>New Journal of Chemistry</i> , 2018 , 42, 17126-17137	3.6	5
472	Antioxidant activity and physicochemical characteristics of honeys from the eastern Amazon region, Brazil. <i>Acta Amazonica</i> , 2018 , 48, 158-167	0.8	2
471	De novo transcriptome assembly of the lobster cockroach <i>Nauphoeta cinerea</i> (Blaberidae). <i>Genetics and Molecular Biology</i> , 2018 , 41, 713-721	2	7
470	Interaction of metals from group 10 (Ni, Pd, and Pt) and 11 (Cu, Ag, and Au) with human blood BCLAD: in vitro and in silico studies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 30557-30566	5.1	4
469	Molecular Pathways Associated With Methylmercury-Induced Nrf2 Modulation. <i>Frontiers in Genetics</i> , 2018 , 9, 373	4.5	38

468	Interaction energy profile for diphenyl diselenide in complex with β -aminolevulinic acid dehydratase enzyme using quantum calculations and a molecular fragmentation method. <i>Computational Toxicology</i> , 2018 , 7, 9-19	3.1	5
467	Evaluation of methylglyoxal toxicity in human erythrocytes, leukocytes and platelets. <i>Toxicology Mechanisms and Methods</i> , 2017 , 27, 307-317	3.6	10
466	Astrocyte-neuron interaction in diphenyl ditelluride toxicity directed to the cytoskeleton. <i>Toxicology</i> , 2017 , 379, 1-11	4.4	10
465	High-sucrose diet induces diabetic-like phenotypes and oxidative stress in <i>Drosophila melanogaster</i> : Protective role of <i>Syzygium cumini</i> and <i>Bauhinia forficata</i> . <i>Biomedicine and Pharmacotherapy</i> , 2017 , 89, 605-616	7.5	28
464	Diphenyl Diselenide Protects against Methylmercury-Induced Toxicity in <i>Saccharomyces cerevisiae</i> via the Yap1 Transcription Factor. <i>Chemical Research in Toxicology</i> , 2017 , 30, 1134-1144	4	12
463	Regioselective synthesis, biological evaluation, and molecular docking of dihydropyrimidin-4-ols as acetylcholinesterase inhibitors. <i>Chemical Biology and Drug Design</i> , 2017 , 90, 1161-1172	2.9	4
462	Insights into the differential toxicological and antioxidant effects of 4-phenylchalcogenil-7-chloroquinolines in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2017 , 110, 133-141	7.8	32
461	Biomarkers of mercury toxicity: Past, present, and future trends. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017 , 20, 119-154	8.6	106
460	Diphenyl diselenide protects against methylmercury-induced inhibition of thioredoxin reductase and glutathione peroxidase in human neuroblastoma cells: a comparison with ebselen. <i>Journal of Applied Toxicology</i> , 2017 , 37, 1073-1081	4.1	23
459	Synthesis, antioxidant and antitumoral activities of 5'-arylchalcogeno-3-aminothymidine (ACAT) derivatives. <i>MedChemComm</i> , 2017 , 8, 408-414	5	17
458	Antioxidant activities and phenolic profile of <i>Baccharis trimera</i> , a commonly used medicinal plant from Brazil. <i>South African Journal of Botany</i> , 2017 , 113, 318-323	2.9	13
457	Antioxidant and mercury chelating activity of <i>Psidium guajava</i> var. <i>pomifera</i> L. leaves hydroalcoholic extract. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 1301-1313	3.2	11
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166	Diphenyl diselenide [(PhSe) ₂] inhibits <i>Drosophila melanogaster</i> delta-aminolevulinatase (delta-ALA-D) gene transcription and enzyme activity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 147, 198-204	3.2	13
165	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008 , 201, 92-100	3.1	48
164	A single high dose of ascorbic acid and iron is not correlated with oxidative stress in healthy volunteers. <i>Annals of Nutrition and Metabolism</i> , 2008 , 53, 79-85	4.5	10
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161	Effects of <i>Mikania glomerata</i> Spreng. and <i>Mikania laevigata</i> Schultz Bip. ex Baker (Asteraceae) extracts on pulmonary inflammation and oxidative stress caused by acute coal dust exposure. <i>Journal of Medicinal Food</i> , 2008 , 11, 761-6	2.8	20
160	Acute diphenyl diselenide treatment reduces hyperglycemia but does not change delta-aminolevulinic acid dehydratase activity in alloxan-induced diabetes in rats. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 2200-4	2.3	15
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158	Plasmatic vitamin C in nontreated hepatitis C patients is negatively associated with aspartate aminotransferase. <i>Liver International</i> , 2008 , 28, 54-60	7.9	11
157	Comparative studies on dicholesteroyl diselenide and diphenyl diselenide as antioxidant agents and their effect on the activities of Na ⁺ /K ⁺ ATPase and delta-aminolevulinic acid dehydratase in the rat brain. <i>Neurochemical Research</i> , 2008 , 33, 167-78	4.6	39
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155	Antioxidant properties of oxime 3-(phenylhydrazono) butan-2-one. <i>Archives of Toxicology</i> , 2008 , 82, 755-63	5.8	18
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145	Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , 2007 , 1147, 226-32	3.7	37

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25	Selenoxides inhibit delta-aminolevulinic acid dehydratase. <i>Toxicology Letters</i> , 2001 , 119, 27-37	4.4	47
24	Effect of mercuric chloride and lead acetate treatment during the second stage of rapid post-natal brain growth on the behavioral response to chlorpromazine and on delta-ALA-D activity in weaning rats. <i>Toxicology Letters</i> , 2001 , 125, 143-50	4.4	35
23	Ebselen prevents excitotoxicity provoked by glutamate in rat cerebellar granule neurons. <i>Neuroscience Letters</i> , 2001 , 299, 217-20	3.3	94
22	Heparin and chondroitin sulfate inhibit adenine nucleotide hydrolysis in liver and kidney membrane enriched fractions. <i>International Journal of Biochemistry and Cell Biology</i> , 2001 , 33, 1193-201	5.6	17
21	BAL modulates glutamate transport in synaptosomes and synaptic vesicles from rat brain. <i>NeuroReport</i> , 2001 , 12, 511-4	1.7	12
20	Protein measurement at practical classes for students of pharmacy: a student-centered approach. <i>Biochemistry and Molecular Biology Education</i> , 2000 , 28, 327-329	1.3	
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11	Effect of perinatal lead exposure on rat behaviour in open-field and two-way avoidance tasks. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996 , 79, 150-6		106
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