

Israel Felzenszwalb

List of Publications by Year in descending order

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99
papers

1,804
citations

279798

23
h-index

345221

36
g-index

99
all docs

99
docs citations

99
times ranked

2387
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutagenicity testing of (±)-camphor, 1,8-cineole, citral, citronellal, (±)-menthol and terpineol with the Salmonella/microsome assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 416, 129-136.	1.7	159
2	Impacts of discarded coffee waste on human and environmental health. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 30-36.	6.0	78
3	Evaluation of β -myrcene, α -terpinene and (+)- and (±)-pinene in the Salmonella/microsome assay. <i>Food and Chemical Toxicology</i> , 2005, 43, 247-252.	3.6	76
4	Toxicological evaluation by in vitro and in vivo assays of an aqueous extract prepared from <i>Echinodorus macrophyllus</i> leaves. <i>Toxicology Letters</i> , 2000, 116, 189-198.	0.8	68
5	Biochemical behaviour of norbixin during in vitro DNA damage induced by reactive oxygen species. <i>British Journal of Nutrition</i> , 2001, 85, 431-440.	2.3	53
6	Several pathways of hydrogen peroxide action that damage the E. coli genome. <i>Genetics and Molecular Biology</i> , 2004, 27, 291-303.	1.3	52
7	N-Nitrosodiethylamine mutagenicity at low concentrations. <i>Toxicology Letters</i> , 2003, 145, 36-45.	0.8	45
8	Genotoxicity Evaluation of Moringa oleifera Seed Extract and Lectin. <i>Journal of Food Science</i> , 2011, 76, T53-8.	3.1	42
9	Studies of genotoxicity and mutagenicity of nitroimidazoles: demystifying this critical relationship with the nitro group. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2015, 110, 492-499.	1.6	39
10	Genotoxicity of Polycyclic Aromatic Hydrocarbons and Nitro-Derived in Respirable Airborne Particulate Matter Collected from Urban Areas of Rio de Janeiro (Brazil). <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	38
11	Norbixin ingestion did not induce any detectable DNA breakage in liver and kidney but caused a considerable impairment in plasma glucose levels of rats and mice. <i>Journal of Nutritional Biochemistry</i> , 2002, 13, 411-420.	4.2	37
12	In vitro and in vivo toxicological study of the Pterodon pubescens seed oil. <i>Toxicology Letters</i> , 1999, 108, 27-35.	0.8	34
13	In vitro and in vivo toxicological evaluation of extract and fractions from Baccharis trimera with anti-inflammatory activity. <i>Journal of Ethnopharmacology</i> , 2011, 138, 513-522.	4.1	34
14	PLGA nanoparticles optimized by Box-Behnken for efficient encapsulation of therapeutic Cymbopogon citratus essential oil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 935-942.	5.0	34
15	Toxicological evaluation of Euterpe edulis: A potential superfruit to be considered. <i>Food and Chemical Toxicology</i> , 2013, 58, 536-544.	3.6	33
16	Antigenotoxic and antimutagenic potential of an annatto pigment (norbixin) against oxidative stress. <i>Genetics and Molecular Research</i> , 2005, 4, 94-9.	0.2	32
17	Boldine action against the stannous chloride effect. <i>Journal of Ethnopharmacology</i> , 1999, 68, 345-348.	4.1	30
18	Genotoxic evaluation of the organophosphorous pesticide temephos. <i>Genetics and Molecular Research</i> , 2002, 1, 159-66.	0.2	30

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19	Toxicological evaluation of a tea from leaves of <i>Vernonia condensata</i> . <i>Journal of Ethnopharmacology</i> , 2001, 74, 149-157.	4.1	29
20	Mechanisms of esophageal cancer development in Brazilians. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 365-373.	5.5	29
21	<i>Ilex paraguariensis</i> (yerba mate) improves endocrine and metabolic disorders in obese rats primed by early weaning. <i>European Journal of Nutrition</i> , 2014, 53, 73-82.	3.9	29
22	Shark cartilage-containing preparation: protection against reactive oxygen species. <i>Food and Chemical Toxicology</i> , 1998, 36, 1079-1084.	3.6	25
23	Lower expression of p14ARF and p16INK4a correlates with higher DNMT3B expression in human oesophageal squamous cell carcinomas. <i>Human and Experimental Toxicology</i> , 2006, 25, 515-522.	2.2	25
24	New hydrazides derivatives of isoniazid against <i>Mycobacterium tuberculosis</i> : Higher potency and lower hepatocytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 529-540.	5.5	24
25	The effect of electromagnetic field exposure on the formation of DNA lesions. <i>Redox Report</i> , 2000, 5, 299-301.	4.5	23
26	Understanding the interaction of multi-walled carbon nanotubes with mutagenic organic pollutants using computational modeling and biological experiments. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 437-446.	11.4	23
27	Shark-cartilage containing preparation protects cells against hydrogen peroxide induced damage and mutagenesis. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 367, 203-208.	1.2	22
28	Differential toxicity of an organic PM _{2.5} extract to human lung cells cultured in three dimensions (3D) and monolayers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 221-231.	2.3	22
29	Fpg and UvrA proteins participate in the repair of DNA lesions induced by hydrogen peroxide in low iron level in <i>Escherichia coli</i> . <i>Biochimie</i> , 1995, 77, 262-264.	2.6	21
30	Evaluation of nitroreductase and acetyltransferase participation in N-nitrosodiethylamine genotoxicity. <i>Chemico-Biological Interactions</i> , 2006, 161, 146-154.	4.0	20
31	Exposure to sorbitol during lactation causes metabolic alterations and genotoxic effects in rat offspring. <i>Toxicology Letters</i> , 2016, 260, 36-45.	0.8	20
32	Hydrogen peroxide induces protection against lethal effects of cumene hydroperoxide in <i>Escherichia coli</i> cells: an Ahp dependent and OxyR independent system?. <i>Mutation Research DNA Repair</i> , 1998, 407, 253-259.	3.7	19
33	Pharmacokinetic and Toxicological Evaluation of a Zinc Gluconate-Based Chemical Sterilant Using In Vitro and In Silico Approaches. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	19
34	Participation of BER and NER pathways in the repair of DNA lesions induced at low N-nitrosodiethylamine concentrations. <i>Toxicology Letters</i> , 2004, 154, 133-142.	0.8	18
35	Iodine- π -poly(2-vinylpyridine-co-styrene-co-divinylbenzene) charge transfer complexes with antibacterial activity. <i>European Polymer Journal</i> , 2007, 43, 4712-4718.	5.4	18
36	Antioxidant Activity and Genotoxic Assessment of Crabwood (<i>Andiroba</i> , <i>Carapa guianensis</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.0	18

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37	Characterization of a New Radiation-Sensitive Mutant, <i>Escherichia coli</i> K-12 radC102. <i>Radiation Research</i> , 1984, 97, 615.	1.5	17
38	Reactive oxygen species mediate lethality induced by far-UV in <i>Escherichia coli</i> cells. <i>Redox Report</i> , 2005, 10, 91-95.	4.5	17
39	Genotoxic evaluation of extracts from <i>Aplysina fulva</i> , a Brazilian marine sponge. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 611, 34-41.	1.7	17
40	Effects of <i>Ilex paraguariensis</i> (yerba mate) on the hypothalamic signalling of insulin and leptin and liver dysfunction in adult rats overfed during lactation. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 123-132.	1.4	17
41	Protection against UV-induced oxidative stress and DNA damage by Amazon moss extracts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 331-341.	3.8	17
42	<i>Escherichia coli</i> radC Is Deficient in the recA-Dependent Repair of X-Ray-Induced DNA Strand Breaks. <i>Radiation Research</i> , 1986, 106, 166.	1.5	16
43	Hydrogen peroxide induces protection against N-methyl-N-nitrosoguanidine (MNNG) effects in <i>Escherichia coli</i> . <i>Mutation Research DNA Repair</i> , 1997, 383, 137-142.	3.7	15
44	Synthesis, characterization, and bactericidal properties of composites based on crosslinked resins containing silver. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1879-1886.	2.6	15
45	Prediction of health risk due to polycyclic aromatic hydrocarbons present in urban air in Rio de Janeiro, Brazil. <i>Genetics and Molecular Research</i> , 2013, 12, 3992-4002.	0.2	15
46	Protection against UV-induced toxicity and lack of mutagenicity of Antarctic <i>Sanionia uncinata</i> . <i>Toxicology</i> , 2017, 376, 126-136.	4.2	15
47	DNA-repair genes and vitamin E in the prevention of N-nitrosodiethylamine mutagenicity. <i>Cell Biology and Toxicology</i> , 2009, 25, 393-402.	5.3	14
48	Ability of <i>Allium cepa</i> L. root tips and <i>Tradescantia pallida</i> var. <i>purpurea</i> in N-nitrosodiethylamine genotoxicity and mutagenicity evaluation. <i>Anais Da Academia Brasileira De Ciencias</i> , 2010, 82, 925-932.	0.8	14
49	Nanotechnology activities: environmental protection regulatory issues data. <i>Heliyon</i> , 2020, 6, e05303.	3.2	14
50	Molecular cloning and DNA sequencing of the radC gene of <i>Escherichia coli</i> K-12. <i>Mutation Research DNA Repair</i> , 1992, 273, 263-269.	3.7	13
51	Participation of stress-inducible systems and enzymes involved in BER and NER in the protection of <i>Escherichia coli</i> against cumene hydroperoxide. <i>Mutation Research DNA Repair</i> , 2000, 461, 31-40.	3.7	13
52	Mutagenic risks induced by homemade hair straightening creams with high formaldehyde content. <i>Journal of Applied Toxicology</i> , 2010, 30, 8-14.	2.8	13
53	Toxicological evaluation of nail polish waste discarded in the environment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27590-27603.	5.3	13
54	Risk assessment of coffees of different qualities and degrees of roasting. <i>Food Research International</i> , 2021, 141, 110089.	6.2	12

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55	Absence of mutagenicity of acid pyrogallol-containing hair gels. <i>Food and Chemical Toxicology</i> , 2007, 45, 643-648.	3.6	11
56	Photoprotective and toxicological activities of extracts from the Antarctic moss <i>Sanionia uncinata</i> . <i>Pharmacognosy Magazine</i> , 2015, 11, 38.	0.6	11
57	Genotoxic evaluation of a vinifera skin extract that present pharmacological activities. <i>Food and Chemical Toxicology</i> , 2004, 42, 969-973.	3.6	10
58	N-Nitrosodiethylamine genotoxicity in primary rat hepatocytes: Effects of cytochrome P450 induction by phenobarbital. <i>Toxicology Letters</i> , 2011, 206, 139-143.	0.8	10
59	Mutagenicity induced by UVC in <i>Escherichia coli</i> cells: Reactive oxygen species involvement. <i>Redox Report</i> , 2011, 16, 187-192.	4.5	10
60	<i>Plinia cauliflora</i> (Mart.) Kausel (Jaboticaba) leaf extract: In vitro anti- <i>Trypanosoma cruzi</i> activity, toxicity assessment and phenolic-targeted UPLC-MS metabolomic analysis. <i>Journal of Ethnopharmacology</i> , 2021, 277, 114217.	4.1	10
61	N-nitrosodiethylamine genotoxicity evaluation: a cytochrome P450 induction study in rat hepatocytes. <i>Genetics and Molecular Research</i> , 2011, 10, 2340-2348.	0.2	9
62	Metabolomic analysis of <i>Cyrtopodium glutiniferum</i> extract by UHPLC-MS/MS and in vitro antiproliferative and genotoxicity assessment. <i>Journal of Ethnopharmacology</i> , 2020, 253, 112607.	4.1	9
63	A novel naphthoquinone derivative shows selective antifungal activity against <i>Sporothrix</i> yeasts and biofilms. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 749-758.	2.0	9
64	Novel nitroimidazole derivatives evaluated for their trypanocidal, cytotoxic, and genotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111887.	5.5	8
65	Ascorbate-copper induced DNA lesions and repair in <i>Escherichia coli</i> K12 cells. <i>Carcinogenesis</i> , 1986, 7, 197-200.	2.8	7
66	Does UVB radiation induce SoxS gene expression in <i>Escherichia coli</i> cells?. <i>Radiation and Environmental Biophysics</i> , 2004, 43, 219-222.	1.4	7
67	Biomonitoring of tunnel workers exposed to heavy air pollution in Rio de Janeiro, Brazil. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 881-886.	3.3	7
68	Polycyclic aromatic hydrocarbon patterns in the city of Rio de Janeiro. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 581-590.	3.3	7
69	Effects of <i>Sanionia uncinata</i> extracts in protecting against and inducing DNA cleavage by reactive oxygen species. <i>Redox Report</i> , 2011, 16, 201-207.	4.5	6
70	Evaluation of Genotoxic Effects of New Molecules with Possible Trypanocidal Activity for Chagas Disease Treatment. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	2.1	6
71	In vitro biochemical characterization and genotoxicity assessment of <i>Sapindus saponaria</i> seed extract. <i>Journal of Ethnopharmacology</i> , 2021, 276, 114170.	4.1	6
72	Standardization of conditions for the metabolic activation of N-nitrosodiethylamine in mutagenicity tests. <i>Genetics and Molecular Research</i> , 2004, 3, 264-72.	0.2	6

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73	Iodine bactericidal action adsorbed in 2-vinylpyridine copolymer networks. <i>Journal of Applied Polymer Science</i> , 2004, 93, 972-976.	2.6	5
74	Antimutagenic effect and phenolic content of green and roasted yerba mate beverages in different packages available in the Brazilian market. <i>CYTA - Journal of Food</i> , 2012, 10, 144-151.	1.9	5
75	Cytotoxic, mutagenic and antimutagenic screening of <i>Arenosclera brasiliensis</i> acetone and ethanol extracts. <i>Genetics and Molecular Research</i> , 2008, 7, 542-548.	0.2	5
76	<i>In vitro</i> and <i>in vivo</i> cytotoxicity assessment of glyphosate and imazethapyr-based herbicides and their association. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, 85, 481-493.	2.3	5
77	Identification of the radC102 mutation. Order of the genes in the 81.5–82.0 min region of the <i>Escherichia coli</i> chromosome. <i>Nucleic Acids Research</i> , 1992, 20, 366-366.	14.5	4
78	H ₂ O ₂ -induced cross-protection against UV-C killing in <i>Escherichia coli</i> is blocked in a <i>lexA</i> (Def) background. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 54, 67-71.	3.8	4
79	Mutagenicity, genotoxicity, and scavenging activities of extracts from the soft coral <i>Chromonephthea braziliensis</i> : a possibility of new bioactive compounds. <i>Genetics and Molecular Research</i> , 2013, 12, 3575-3587.	0.2	4
80	Atorvastatin Downregulates <i>In Vitro</i> Methyl Methanesulfonate and Cyclophosphamide Alkylation-Mediated Cellular and DNA Injuries. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	4.0	4
81	Mutagenic, genotoxic and cytotoxic studies of invasive corals <i>Tubastraea coccinea</i> and <i>Tubastraea tagusensis</i> . <i>Journal of Applied Toxicology</i> , 2020, 40, 373-387.	2.8	4
82	Inhibition of ischemia/reperfusion induced plasma leakage by α -tocopherol, trolox, and a shark cartilage preparation with anti-oxidant properties. <i>Nutrition Research</i> , 2001, 21, 1363-1371.	2.9	3
83	Effects of low iron conditions on the repair of DNA lesions induced by Cumene hydroperoxide in <i>Escherichia coli</i> cells. <i>Mutation Research DNA Repair</i> , 2001, 485, 339-344.	3.7	3
84	Toxicological assessment of crude palm oil (<i>Elaeis guineensis</i> Jacq.) used in deep frying of akara (cowpea paste finger food). <i>Grasas Y Aceites</i> , 2014, 65, e020.	0.9	3
85	Anti-inflammatory potential of invasive sun corals (<i>Scleractinia</i> : <i>Tubastraea</i> spp.) from Brazil: alternative use for management?. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 633-647.	2.4	3
86	Uma análise contextual do funcionamento efetivo e participação popular em uma unidade de conservação: o caso da Área de Proteção Ambiental de Petrópolis (Rio de Janeiro: Brasil). <i>Sociedade & Natureza</i> , 2011, 23, 323-334.	0.0	3
87	Comparison of the sensitivity of strains of <i>Salmonella enterica</i> serovar Typhimurium in the detection of mutagenicity induced by nitroarenes. <i>Genetics and Molecular Research</i> , 2014, 13, 3667-3672.	0.2	3
88	The influence of pH on the inhibition of DNA cleavages induced by pyrogallol. <i>Redox Report</i> , 2008, 13, 208-212.	4.5	2
89	Potential source regions of biogenic aerosol number concentration apportioning at King George Island, Antarctic Peninsula. <i>Antarctic Science</i> , 2010, 22, 580-588.	0.9	2
90	Dye detoxification by <i>Lentinula edodes</i> INCQS 40220. <i>Vigilância Sanitária Em Debate: Sociedade, Ciência & Tecnologia</i> , 2016, 4, 92.	0.1	2

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91	Toxicogenetic assessment of a pre-workout supplement: In vitro mutagenicity, cytotoxicity, genotoxicity and glutathione determination in liver cell lines and in silico ADMET approaches. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 879-880, 503517.	1.7	2
92	The role of Fpg protein in UVC-induced DNA lesions. Redox Report, 2012, 17, 95-100.	4.5	1
93	Mutagenic and Cytotoxicity LQB 123 Profile: Safety and Tripanocidal Effect of a Phenyl-t-Butylnitronne Derivative. BioMed Research International, 2017, 2017, 1-8.	1.9	1
94	Evaluation of the acute toxicity, phototoxicity and embryotoxicity of a residual aqueous fraction from extract of the Antarctic moss Sanionia uncinata. BMC Pharmacology & Toxicology, 2019, 20, 77.	2.4	1
95	<i>N</i>nitrosodiethylamine cytochrome P450 induction and cytotoxicity evaluation in primary cultures of rat hepatocytes. American Journal of Molecular Biology, 2011, 01, 70-78.	0.3	1
96	Efeito da cafeÃna sobre a performance no treinamento intervalado de alta intensidade. Research, Society and Development, 2021, 10, e39610817413.	0.1	0
97	GENETIC POLYMORPHISMS AND THE RISK OF LUNG CANCER IN TUNNEL WORKERS IN RIO DE JANEIRO, BRAZIL. , 2017, , .		0
98	Cyrtopodium glutiniferum, an Example of Orchid Used in Folk Medicine: Phytochemical and Biological Aspects. Reference Series in Phytochemistry, 2021, , 1-16.	0.4	0
99	Cyrtopodium glutiniferum, an Example of Orchid Used in Folk Medicine: Phytochemical and Biological Aspects. Reference Series in Phytochemistry, 2022, , 517-531.	0.4	0