

Edward J Calabrese

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464
papers

18,238
citations

70
h-index

119
g-index

480
ext. papers

20,787
ext. citations

5.7
avg, IF

8.02
L-index

#	Paper	IF	Citations
464	Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic dose-response framework. <i>Toxicology and Applied Pharmacology</i> , 2007 , 222, 122-8	4.6	512
463	Toxicology rethinks its central belief. <i>Nature</i> , 2003 , 421, 691-2	50.4	503
462	Hormesis: Why it is important to toxicology and toxicologists. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1451	3.8	499
461	Hormesis: the dose-response revolution. <i>Annual Review of Pharmacology and Toxicology</i> , 2003 , 43, 175-97	7.9	469
460	Cellular stress responses, the hormesis paradigm, and vitagenes: novel targets for therapeutic intervention in neurodegenerative disorders. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 1763-811	8.4	434
459	The occurrence of hormetic dose responses in the toxicological literature, the hormesis database: an overview. <i>Toxicology and Applied Pharmacology</i> , 2005 , 202, 289-301	4.6	384
458	Paradigm lost, paradigm found: the re-emergence of hormesis as a fundamental dose response model in the toxicological sciences. <i>Environmental Pollution</i> , 2005 , 138, 379-411	9.3	360
457	The hormetic dose-response model is more common than the threshold model in toxicology. <i>Toxicological Sciences</i> , 2003 , 71, 246-50	4.4	307
456	Hormesis: U-shaped dose responses and their centrality in toxicology. <i>Trends in Pharmacological Sciences</i> , 2001 , 22, 285-91	13.2	304
455	Cellular stress responses, hormetic phytochemicals and vitagenes in aging and longevity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 753-83	6.9	286
454	Hormesis and plant biology. <i>Environmental Pollution</i> , 2009 , 157, 42-8	9.3	274
453	Hormetic mechanisms. <i>Critical Reviews in Toxicology</i> , 2013 , 43, 580-606	5.7	259
452	The hormesis database: the occurrence of hormetic dose responses in the toxicological literature. <i>Regulatory Toxicology and Pharmacology</i> , 2011 , 61, 73-81	3.4	250
451	U-shaped dose-responses in biology, toxicology, and public health. <i>Annual Review of Public Health</i> , 2001 , 22, 15-33	20.6	222
450	How does hormesis impact biology, toxicology, and medicine?. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 13	5.5	220
449	Traumatic brain injury: oxidative stress and neuroprotection. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 836-53	8.4	210
448	How much soil do young children ingest: an epidemiologic study. <i>Regulatory Toxicology and Pharmacology</i> , 1989 , 10, 123-37	3.4	202

447	Hormesis: a generalizable and unifying hypothesis. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 353-424	5.7	192
446	Hormesis is central to toxicology, pharmacology and risk assessment. <i>Human and Experimental Toxicology</i> , 2010 , 29, 249-61	3.4	182
445	Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodeling as key factors in pathogenesis. <i>Free Radical Biology and Medicine</i> , 2018 , 115, 80-91	7.8	173
444	Hormesis and medicine. <i>British Journal of Clinical Pharmacology</i> , 2008 , 66, 594-617	3.8	169
443	Healthy Effects of Plant Polyphenols: Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	167
442	Hormesis: A Highly Generalizable and Reproducible Phenomenon With Important Implications for Risk Assessment. <i>Risk Analysis</i> , 1999 , 19, 261-281	3.9	164
441	Hormesis, cellular stress response and vitagenes as critical determinants in aging and longevity. <i>Molecular Aspects of Medicine</i> , 2011 , 32, 279-304	16.7	163
440	Resveratrol commonly displays hormesis: occurrence and biomedical significance. <i>Human and Experimental Toxicology</i> , 2010 , 29, 980-1015	3.4	163
439	Hormesis provides a generalized quantitative estimate of biological plasticity. <i>Journal of Cell Communication and Signaling</i> , 2011 , 5, 25-38	5.2	152
438	The Dose Determines the Stimulation (and Poison): Development of A Chemical Hormesis Database. <i>International Journal of Toxicology</i> , 1997 , 16, 545-559	2.4	150
437	Cancer biology and hormesis: human tumor cell lines commonly display hormetic (biphasic) dose responses. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 463-582	5.7	150
436	Hormesis: from marginalization to mainstream: a case for hormesis as the default dose-response model in risk assessment. <i>Toxicology and Applied Pharmacology</i> , 2004 , 197, 125-36	4.6	138
435	Preconditioning is hormesis part I: Documentation, dose-response features and mechanistic foundations. <i>Pharmacological Research</i> , 2016 , 110, 242-264	10.2	136
434	Hormesis: a revolution in toxicology, risk assessment and medicine. <i>EMBO Reports</i> , 2004 , 5 Spec No, S37-40	6.9	135
433	Evidence that hormesis represents an "overcompensation" response to a disruption in homeostasis. <i>Ecotoxicology and Environmental Safety</i> , 1999 , 42, 135-7	7	134
432	Overcompensation stimulation: a mechanism for hormetic effects. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 425-70	5.7	132
431	Hormesis: why it is important to toxicology and toxicologists. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1451-74	3.8	129
430	Preconditioning is hormesis part II: How the conditioning dose mediates protection: Dose optimization within temporal and mechanistic frameworks. <i>Pharmacological Research</i> , 2016 , 110, 265-275	10.2	129

429	Converging concepts: adaptive response, preconditioning, and the Yerkes-Dodson Law are manifestations of hormesis. <i>Ageing Research Reviews</i> , 2008 , 7, 8-20	12	128
428	Hormesis outperforms threshold model in National Cancer Institute antitumor drug screening database. <i>Toxicological Sciences</i> , 2006 , 94, 368-78	4.4	120
427	Applications of hormesis in toxicology, risk assessment and chemotherapeutics. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 331-7	13.2	117
426	Biphasic dose responses in biology, toxicology and medicine: accounting for their generalizability and quantitative features. <i>Environmental Pollution</i> , 2013 , 182, 452-60	9.3	112
425	Hormesis: changing view of the dose-response, a personal account of the history and current status. <i>Mutation Research - Reviews in Mutation Research</i> , 2002 , 511, 181-9	7	112
424	Mechanisms and Effects of Transcranial Direct Current Stimulation. <i>Dose-Response</i> , 2017 , 15, 15593258166854670	16.6	107
423	An assessment of anxiolytic drug screening tests: hormetic dose responses predominate. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 489-542	5.7	107
422	Hormetic dose-response relationships in immunology: occurrence, quantitative features of the dose response, mechanistic foundations, and clinical implications. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 89-295	5.7	107
421	The road to linearity: why linearity at low doses became the basis for carcinogen risk assessment. <i>Archives of Toxicology</i> , 2009 , 83, 203-25	5.8	104
420	The occurrence of chemically induced hormesis. <i>Health Physics</i> , 1987 , 52, 531-41	2.3	101
419	Getting the dose-response wrong: why hormesis became marginalized and the threshold model accepted. <i>Archives of Toxicology</i> , 2009 , 83, 227-47	5.8	100
418	Toxicological awakenings: the rebirth of hormesis as a central pillar of toxicology. <i>Toxicology and Applied Pharmacology</i> , 2005 , 204, 1-8	4.6	98
417	Inorganics and hormesis. <i>Critical Reviews in Toxicology</i> , 2003 , 33, 215-304	5.7	96
416	A quantitatively-based methodology for the evaluation of chemical hormesis. <i>Human and Ecological Risk Assessment (HERA)</i> , 1997 , 3, 545-554	4.9	95
415	What is hormesis and its relevance to healthy aging and longevity?. <i>Biogerontology</i> , 2015 , 16, 693-707	4.5	93
414	The importance of hormesis to public health. <i>Environmental Health Perspectives</i> , 2006 , 114, 1631-5	8.4	93
413	Neuroscience and hormesis: overview and general findings. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 249-527	5.7	92
412	Hormesis: a fundamental concept in biology. <i>Microbial Cell</i> , 2014 , 1, 145-149	3.9	89

411	Hormesis predicts low-dose responses better than threshold models. <i>International Journal of Toxicology</i> , 2008 , 27, 369-78	2.4	89
410	Neuroinflammation and neurohormesis in the pathogenesis of Alzheimer's disease and Alzheimer-linked pathologies: modulation by nutritional mushrooms. <i>Immunity and Ageing</i> , 2018 , 15, 8	9.7	86
409	Toxicology rewrites its history and rethinks its future: giving equal focus to both harmful and beneficial effects. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 2658-73	3.8	86
408	Estrogen and related compounds: biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 503-57	15.7	86
407	Hormesis: its impact on medicine and health. <i>Human and Experimental Toxicology</i> , 2013 , 32, 120-52	3.4	85
406	Hormesis: A Compelling Platform for Sophisticated Plant Science. <i>Trends in Plant Science</i> , 2019 , 24, 318-327	32.1	84
405	How radiotherapy was historically used to treat pneumonia: could it be useful today?. <i>Yale Journal of Biology and Medicine</i> , 2013 , 86, 555-70	2.4	83
404	Inflammasomes, hormesis, and antioxidants in neuroinflammation: Role of NRLP3 in Alzheimer disease. <i>Journal of Neuroscience Research</i> , 2017 , 95, 1360-1372	4.4	82
403	Soil ingestion estimates for children residing on a superfund site. <i>Ecotoxicology and Environmental Safety</i> , 1997 , 36, 258-68	7	80
402	Stress responses, vitagenes and hormesis as critical determinants in aging and longevity: Mitochondria as a "chi". <i>Immunity and Ageing</i> , 2013 , 10, 15	9.7	79
401	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. <i>Immunity and Ageing</i> , 2015 , 12, 20	9.7	79
400	Hormesis: Path and Progression to Significance. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	78
399	Hormesis: principles and applications. <i>Homeopathy</i> , 2015 , 104, 69-82	1.4	76
398	On the origins of the linear no-threshold (LNT) dogma by means of untruths, artful dodges and blind faith. <i>Environmental Research</i> , 2015 , 142, 432-42	7.9	76
397	Hormesis: why it is important to biogerontologists. <i>Biogerontology</i> , 2012 , 13, 215-35	4.5	76
396	Nanoparticle Exposure and Hormetic Dose-Responses: An Update. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	75
395	Chemical hormesis: its historical foundations as a biological hypothesis. <i>Toxicologic Pathology</i> , 1999 , 27, 195-216	2.1	72
394	Exposure to nanoparticles and hormesis. <i>Dose-Response</i> , 2010 , 8, 501-17	2.3	70

393	The two faces of nanomaterials: A quantification of hormesis in algae and plants. <i>Environment International</i> , 2019 , 131, 105044	12.9	67
392	Origin of the linearity no threshold (LNT) dose-response concept. <i>Archives of Toxicology</i> , 2013 , 87, 1621-33	10.2	67
391	Vitagenes, cellular stress response, and acetylcarnitine: relevance to hormesis. <i>BioFactors</i> , 2009 , 35, 146-60	10.2	67
390	A global environmental health perspective and optimisation of stress. <i>Science of the Total Environment</i> , 2020 , 704, 135263	10.2	67
389	Estimating the range of the maximum hormetic stimulatory response. <i>Environmental Research</i> , 2019 , 170, 337-343	7.9	65
388	Predicting the effect of ozone on vegetation via linear non-threshold (LNT), threshold and hormetic dose-response models. <i>Science of the Total Environment</i> , 2019 , 649, 61-74	10.2	64
387	Cellular stress responses, mitostress and carnitine insufficiencies as critical determinants in aging and neurodegenerative disorders: role of hormesis and vitagenes. <i>Neurochemical Research</i> , 2010 , 35, 1880-915	4.6	63
386	Hormesis: a highly generalizable and reproducible phenomenon with important implications for risk assessment. <i>Risk Analysis</i> , 1999 , 19, 261-81	3.9	62
385	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. <i>Journal of Neuroscience Research</i> , 2016 , 94, 1588-1603	4.4	62
384	Hormetic approaches to the treatment of Parkinson's disease: Perspectives and possibilities. <i>Journal of Neuroscience Research</i> , 2018 , 96, 1641-1662	4.4	60
383	Hormesis: Highly Generalizable and Beyond Laboratory. <i>Trends in Plant Science</i> , 2020 , 25, 1076-1086	13.1	59
382	Uncertainty factors and interindividual variation. <i>Regulatory Toxicology and Pharmacology</i> , 1985 , 5, 190-6	5.4	59
381	Radiotherapy treatment of human inflammatory diseases and conditions: Optimal dose. <i>Human and Experimental Toxicology</i> , 2019 , 38, 888-898	3.4	58
380	Environmental hormesis and its fundamental biological basis: Rewriting the history of toxicology. <i>Environmental Research</i> , 2018 , 165, 274-278	7.9	57
379	Alzheimer's disease drugs: an application of the hormetic dose-response model. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 419-51	5.7	57
378	Healthspan Enhancement by Olive Polyphenols in Wild Type and Parkinson's Models. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	56
377	Hormesis: The dose response for the 21st century: The future has arrived. <i>Toxicology</i> , 2019 , 425, 152249	4.4	56
376	Adverse and hormetic effects in rats exposed for 12 months to low dose mixture of 13 chemicals: RLRS part III. <i>Toxicology Letters</i> , 2019 , 310, 70-91	4.4	55

375	Curcumin, Hormesis and the Nervous System. <i>Nutrients</i> , 2019 , 11,	6.7	55
374	Hormetic dose responses induced by lanthanum in plants. <i>Environmental Pollution</i> , 2019 , 244, 332-341	9.3	55
373	Hormesis as a mechanistic approach to understanding herbal treatments in traditional Chinese medicine. <i>Pharmacology & Therapeutics</i> , 2018 , 184, 42-50	13.9	55
372	Low dose radiation therapy as a potential life saving treatment for COVID-19-induced acute respiratory distress syndrome (ARDS). <i>Radiotherapy and Oncology</i> , 2020 , 147, 212-216	5.3	54
371	The linear No-Threshold (LNT) dose response model: A comprehensive assessment of its historical and scientific foundations. <i>Chemico-Biological Interactions</i> , 2019 , 301, 6-25	5	54
370	The rare earth element (REE) lanthanum (La) induces hormesis in plants. <i>Environmental Pollution</i> , 2018 , 238, 1044-1047	9.3	52
369	Estimating risk of low radiation doses - a critical review of the BEIR VII report and its use of the linear no-threshold (LNT) hypothesis. <i>Radiation Research</i> , 2014 , 182, 463-74	3.1	52
368	Biphasic effects of THC in memory and cognition. <i>European Journal of Clinical Investigation</i> , 2018 , 48, e12920	4.6	51
367	The hormetic dose-response mechanism: Nrf2 activation. <i>Pharmacological Research</i> , 2021 , 167, 105526	10.2	51
366	Human and veterinary antibiotics induce hormesis in plants: Scientific and regulatory issues and an environmental perspective. <i>Environment International</i> , 2018 , 120, 489-495	12.9	49
365	Ethanol and hormesis. <i>Critical Reviews in Toxicology</i> , 2003 , 33, 407-24	5.7	49
364	How the US National Academy of Sciences misled the world community on cancer risk assessment: new findings challenge historical foundations of the linear dose response. <i>Archives of Toxicology</i> , 2013 , 87, 2063-81	5.8	47
363	Does the root to shoot ratio show a hormetic response to stress? An ecological and environmental perspective. <i>Journal of Forestry Research</i> , 2019 , 30, 1569-1580	2	47
362	Hormesis in high-throughput screening of antibacterial compounds in E coli. <i>Human and Experimental Toxicology</i> , 2010 , 29, 667-77	3.4	46
361	U-shaped dose response in behavioral pharmacology: historical foundations. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 591-8	5.7	45
360	The threshold vs LNT showdown: Dose rate findings exposed flaws in the LNT model part 1. The Russell-Muller debate. <i>Environmental Research</i> , 2017 , 154, 435-451	7.9	44
359	Hormesis and stage specific toxicity induced by cadmium in an insect model, the queen blowfly, <i>Phormia regina</i> Meig. <i>Environmental Pollution</i> , 2003 , 124, 257-62	9.3	44
358	HORMESIS: A Fundamental Concept with Widespread Biological and Biomedical Applications. <i>Gerontology</i> , 2016 , 62, 530-5	5.5	44

357	The threshold vs LNT showdown: Dose rate findings exposed flaws in the LNT model part 2. How a mistake led BEIR I to adopt LNT. <i>Environmental Research</i> , 2017 , 154, 452-458	7.9	43
356	Osteoporosis and alzheimer pathology: Role of cellular stress response and hormetic redox signaling in aging and bone remodeling. <i>Frontiers in Pharmacology</i> , 2014 , 5, 120	5.6	43
355	Modulation of the epileptic seizure threshold: implications of biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 543-56	5.7	43
354	Pharmacological enhancement of neuronal survival. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 349-89	5.7	43
353	Nitric oxide: biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 489-501	5.7	43
352	Dopamine: biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 563-83	5.7	43
351	A general classification of U-shaped dose-response relationships in toxicology and their mechanistic foundations. <i>Human and Experimental Toxicology</i> , 1998 , 17, 353-64	3.4	43
350	Effects of low doses of dietary lead on red blood cell production in male and female mice. <i>Toxicology Letters</i> , 2003 , 137, 193-9	4.4	42
349	Improving the scientific foundations for estimating health risks from the Fukushima incident. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19447-8	11.5	41
348	Hormesis and high-risk groups. <i>Regulatory Toxicology and Pharmacology</i> , 2002 , 35, 414-28	3.4	41
347	Enhancing and Extending Biological Performance and Resilience. <i>Dose-Response</i> , 2018 , 16, 155932581878450140	3.4	40
346	Adaptive preconditioning in neurological diseases - therapeutic insights from proteostatic perturbations. <i>Brain Research</i> , 2016 , 1648, 603-616	3.7	39
345	Hormetic dose-responses in nanotechnology studies. <i>Science of the Total Environment</i> , 2014 , 487, 361-74	10.2	39
344	Can the concept of hormesis Be generalized to carcinogenesis?. <i>Regulatory Toxicology and Pharmacology</i> , 1998 , 28, 230-41	3.4	39
343	Flaws in the LNT single-hit model for cancer risk: An historical assessment. <i>Environmental Research</i> , 2017 , 158, 773-788	7.9	38
342	Dose response biology: the case of resveratrol. <i>Human and Experimental Toxicology</i> , 2010 , 29, 1034-7	3.4	38
341	Drug therapies for stroke and traumatic brain injury often display U-shaped dose responses: occurrence, mechanisms, and clinical implications. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 557-77	5.7	38
340	Daily soil ingestion estimates for children at a Superfund site. <i>Risk Analysis</i> , 2000 , 20, 627-35	3.9	38

- 339 Cancer immunotherapy: how low-level ionizing radiation can play a key role. *Cancer Immunology, Immunotherapy*, **2017**, 66, 819-832 7.4 37
- 338 Hormesis and Ginkgo biloba (GB): Numerous biological effects of GB are mediated via hormesis. *Ageing Research Reviews*, **2020**, 64, 101019 12 37
- 337 Enhancing and regulating neurite outgrowth. *Critical Reviews in Toxicology*, **2008**, 38, 391-418 5.7 37
- 336 Hormesis within a mechanistic context. *Homeopathy*, **2015**, 104, 90-6 1.4 36
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- 334 Below background levels of blood lead impact cytokine levels in male and female mice. *Toxicology and Applied Pharmacology*, **2006**, 210, 94-9 4.6 36
- 333 The effects of gamma rays on longevity. *Biogerontology*, **2000**, 1, 309-19 4.5 36
- 332 Reduction of arthritic symptoms by low dose radiation therapy (LD-RT) is associated with an anti-inflammatory phenotype. *International Journal of Radiation Biology*, **2013**, 89, 278-86 2.9 35
- 331 Hormesis as a Biological Hypothesis. *Environmental Health Perspectives*, **1998**, 106, 357 8.4 35
- 330 Stress biology and hormesis: the Yerkes-Dodson law in psychology--a special case of the hormesis dose response. *Critical Reviews in Toxicology*, **2008**, 38, 453-62 5.7 35
- 329 Hormesis can enhance agricultural sustainability in a changing world. *Global Food Security*, **2019**, 20, 1508-155 34
- 328 Muller's Nobel lecture on dose-response for ionizing radiation: ideology or science?. *Archives of Toxicology*, **2011**, 85, 1495-8 5.8 34
- 327 Homeopathy: clarifying its relationship to hormesis. *Human and Experimental Toxicology*, **2010**, 29, 531-63.4 34
- 326 Hormesis: how it could affect the risk assessment process. *Human and Experimental Toxicology*, **2005**, 24, 265-70 3.4 34
- 325 What proportion of household dust is derived from outdoor soil?. *Journal of Soil Contamination*, **1992**, 1, 253-263 34
- 324 Elevated sodium levels in the public drinking water as a contributor to elevated blood pressure levels in the community. *Archives of Environmental Health*, **1979**, 34, 197-203 34
- 323 Historical use of x-rays: treatment of inner ear infections and prevention of deafness. *Human and Experimental Toxicology*, **2014**, 33, 542-53 3.4 33
- 322 A method to evaluate hormesis in nanoparticle dose-responses. *Dose-Response*, **2012**, 10, 344-54 2.3 33

321	Androgens: biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 517-22	5-7	33
320	The Emergence of the Dose-Response Concept in Biology and Medicine. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6-3	33
319	From Muller to mechanism: How LNT became the default model for cancer risk assessment. <i>Environmental Pollution</i> , 2018 , 241, 289-302	9-3	33
318	Agonist concentration gradients as a generalizable regulatory implementation strategy. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 471-3	5-7	32
317	Nano-pesticides: A great challenge for biodiversity? The need for a broader perspective. <i>Nano Today</i> , 2020 , 30, 100808	17-9	32
316	Muller's Nobel Prize Lecture: when ideology prevailed over science. <i>Toxicological Sciences</i> , 2012 , 126, 1-4	4-4	31
315	Hormesis, cellular stress response and neuroinflammation in schizophrenia: Early onset versus late onset state. <i>Journal of Neuroscience Research</i> , 2017 , 95, 1182-1193	4-4	30
314	Hormesis, cellular stress response, and redox homeostasis in autism spectrum disorders. <i>Journal of Neuroscience Research</i> , 2016 , 94, 1488-1498	4-4	30
313	Low dose radiation therapy (LD-RT) is effective in the treatment of arthritis: animal model findings. <i>International Journal of Radiation Biology</i> , 2013 , 89, 287-94	2-9	30
312	The role of x-rays in the treatment of gas gangrene: a historical assessment. <i>Dose-Response</i> , 2012 , 10, 626-43	2-3	30
311	Hormesis: from mainstream to therapy. <i>Journal of Cell Communication and Signaling</i> , 2014 , 8, 289-91	5-2	29
310	Elevated blood pressure and high sodium levels in the public drinking water. Preliminary results of a study of high school students. <i>Archives of Environmental Health</i> , 1977 , 32, 200-2		29
309	Pre- and post-conditioning hormesis in elderly mice, rats, and humans: its loss and restoration. <i>Biogerontology</i> , 2016 , 17, 681-702	4-5	29
308	Temperature-induced hormesis in plants. <i>Journal of Forestry Research</i> , 2019 , 30, 13-20	2	28
307	Curcumin and hormesis with particular emphasis on neural cells. <i>Food and Chemical Toxicology</i> , 2019 , 129, 399-404	4-7	28
306	Astrocytes: adaptive responses to low doses of neurotoxins. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 463-71	5-7	28
305	Chemotherapeutics and hormesis. <i>Critical Reviews in Toxicology</i> , 2003 , 33, 305-53	5-7	28
304	The marginalization of hormesis. <i>Toxicologic Pathology</i> , 1999 , 27, 187-94	2-1	28

303	LNTgate: How scientific misconduct by the U.S. NAS led to governments adopting LNT for cancer risk assessment. <i>Environmental Research</i> , 2016 , 148, 535-546	7.9	28
302	Use of X-rays to treat shoulder tendonitis/bursitis: a historical assessment. <i>Archives of Toxicology</i> , 2014 , 88, 1503-17	5.8	27
301	The historical use of radiotherapy in the treatment of sinus infections. <i>Dose-Response</i> , 2013 , 11, 469-79	2.3	27
300	X-Ray treatment of carbuncles and furuncles (boils): a historical assessment. <i>Human and Experimental Toxicology</i> , 2013 , 32, 817-27	3.4	27
299	Effects of low doses of dietary lead on puberty onset in female mice. <i>Reproductive Toxicology</i> , 2004 , 19, 35-41	3.4	27
298	Stimulation of Growth of Peppermint (<i>Mentha piperita</i>) by Phosfon, a Growth Retardant. <i>Physiologia Plantarum</i> , 1976 , 37, 163-165	4.6	27
297	Dose response biology of resveratrol in obesity. <i>Journal of Cell Communication and Signaling</i> , 2014 , 8, 385-91	5.2	26
296	The phytoprotective agent sulforaphane prevents inflammatory degenerative diseases and age-related pathologies via Nrf2-mediated hormesis. <i>Pharmacological Research</i> , 2021 , 163, 105283	10.2	26
295	Hormesis: Toxicological foundations and role in aging research. <i>Experimental Gerontology</i> , 2013 , 48, 99-103	4.3	25
294	Meta-analysis of mass-balance studies of soil ingestion in children. <i>Risk Analysis</i> , 2012 , 32, 433-47	3.9	25
293	Peptides and hormesis. <i>Critical Reviews in Toxicology</i> , 2003 , 33, 355-405	5.7	25
292	Opiates: biphasic dose responses. <i>Critical Reviews in Toxicology</i> , 2001 , 31, 585-604	5.7	25
291	Radiation Hormesis and Cancer. <i>Human and Ecological Risk Assessment (HERA)</i> , 2002 , 8, 327-353	4.9	25
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