

Takahiro Kataoka

List of Publications by Year in descending order

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papers

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54
times ranked

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#	ARTICLE	IF	CITATIONS
1	Suppression of Dextran Sulfate Sodium-Induced Colitis in Mice by Radon Inhalation. Mediators of Inflammation, 2012, 2012, 1-11.	3.0	62
2	Study of antioxidative effects and anti-inflammatory effects in mice due to low-dose X-irradiation or radon inhalation. Journal of Radiation Research, 2013, 54, 587-596.	1.6	56
3	Physiologically Based Pharmacokinetic Modeling of Inhaled Radon to Calculate Absorbed Doses in Mice, Rats, and Humans. Journal of Nuclear Science and Technology, 2010, 47, 731-738.	1.3	48
4	Protective Effects of Radon Inhalation on Carrageenan-Induced Inflammatory Paw Edema in Mice. Inflammation, 2012, 35, 713-722.	3.8	37
5	Inhibitory Effects of Prior Low-dose X-irradiation on Cold-induced Brain Injury in Mouse. Inflammation, 2012, 35, 89-97.	3.8	31
6	Study of the Response of Superoxide Dismutase in Mouse Organs to Radon Using a New Large-scale Facility for Exposing Small Animals to Radon. Journal of Radiation Research, 2011, 52, 775-781.	1.6	30
7	Radon Inhalation Protects Mice from Carbon-Tetrachloride-Induced Hepatic and Renal Damage. Inflammation, 2011, 34, 559-567.	3.8	29
8	Inhibitory Effects of Prior Low-dose X-ray Irradiation on Carbon Tetrachloride-induced Hepatopathy in Acatalasemic Mice. Journal of Radiation Research, 2004, 45, 89-95.	1.6	28
9	Inhibitory Effects of Prior Low-dose X-irradiation on Ischemia-reperfusion Injury in Mouse Paw. Journal of Radiation Research, 2007, 48, 505-513.	1.6	26
10	Antinociceptive Effects of Radon Inhalation on Formalin-Induced Inflammatory Pain in Mice. Inflammation, 2013, 36, 355-363.	3.8	24
11	Comparative study on the inhibitory effects of antioxidant vitamins and radon on carbon tetrachloride-induced hepatopathy. Journal of Radiation Research, 2012, 53, 830-839.	1.6	21
12	Basic Study on Activation of Antioxidation Function in Some Organs of Mice by Radon Inhalation Using New Radon Exposure Device. Radioisotopes, 2008, 57, 241-251.	0.2	16
13	Radon Inhalation Protects Against Transient Global Cerebral Ischemic Injury in Gerbils. Inflammation, 2014, 37, 1675-1682.	3.8	16
14	Difference in the action mechanism of radon inhalation and radon hot spring water drinking in suppression of hyperuricemia in mice. Journal of Radiation Research, 2016, 57, 250-257.	1.6	16
15	Comparative Study on the Inhibitory Effects of α -Tocopherol and Radon on Carbon Tetrachloride-Induced Renal Damage. Renal Failure, 2012, 34, 1181-1187.	2.1	15
16	Protective effects of hot spring water drinking and radon inhalation on ethanol-induced gastric mucosal injury in mice. Journal of Radiation Research, 2017, 58, 614-625.	1.6	15
17	Radon inhalation induces manganese-superoxide dismutase in mouse brain via nuclear factor- κ B activation. Journal of Radiation Research, 2017, 58, 887-893.	1.6	15
18	Inhibitory Effects of Pretreatment with Radon on Acute Alcohol-Induced Hepatopathy in Mice. Mediators of Inflammation, 2012, 2012, 1-10.	3.0	13

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19	Pressure dependence of X-rays produced by an LiTaO ₃ single crystal at low pressures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 669, 66-69.	1.6	13
20	Performance of the first Japanese large-scale facility for radon inhalation experiments with small animals. Radiation Protection Dosimetry, 2011, 146, 31-33.	0.8	12
21	Basic Study on Active Changes in Biological Function of Mouse Liver Graft in Cold Storage after Low-Dose X-Irradiation. Journal of Clinical Biochemistry and Nutrition, 2009, 45, 219-226.	1.4	12
22	Effects of post low-dose X-ray irradiation on carbon tetrachloride-induced acatalasemic mice liver damage. Physiological Chemistry and Physics and Medical NMR, 2005, 37, 109-26.	0.2	12
23	Physiologically Based Pharmacokinetic Modeling of Inhaled Radon to Calculate Absorbed Doses in Mice, Rats, and Humans. Journal of Nuclear Science and Technology, 2010, 47, 731-738.	1.3	10
24	Measurements of radon activity concentration in mouse tissues and organs. Radiation and Environmental Biophysics, 2017, 56, 161-165.	1.4	9
25	Studies on possibility for alleviation of lifestyle diseases by low-dose irradiation or radon inhalation. Radiation Protection Dosimetry, 2011, 146, 360-363.	0.8	8
26	Radon inhalation suppresses nephropathy in streptozotocin-induced type-1 diabetic mice. Journal of Nuclear Science and Technology, 2016, 53, 909-915.	1.3	8
27	Radon inhalation decreases DNA damage induced by oxidative stress in mouse organs via the activation of antioxidative functions. Journal of Radiation Research, 2021, 62, 861-867.	1.6	8
28	Combined effects of radon inhalation and antioxidant vitamin administration on acute alcohol-induced hepatopathy in mice. Journal of Nuclear Science and Technology, 2015, 52, 1512-1518.	1.3	7
29	X-Irradiation at 0.5Â Gy after the forced swim test reduces forced swimming-induced immobility in mice. Journal of Radiation Research, 2020, 61, 517-523.	1.6	7
30	Evaluation of the redox state in mouse organs following radon inhalation. Journal of Radiation Research, 2021, 62, 206-216.	1.6	7
31	Inhibitory Effects of Pre and Post Radon Inhalation on Carbon Tetrachloride-induced Oxidative Damage in Mouse Organs. Radioisotopes, 2012, 61, 231-241.	0.2	7
32	Histological changes in spleens of radio-sensitive and radio-resistant mice exposed to low-dose X-ray irradiation. Physiological Chemistry and Physics and Medical NMR, 2006, 38, 21-9.	0.2	7
33	Activation of Antioxidative Functions by Radon Inhalation Enhances the Mitigation Effects of Pregabalin on Chronic Constriction Injury-Induced Neuropathic Pain in Mice. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	6
34	Analysis of liver damage from radon, X-ray, or alcohol treatments in mice using a self-organizing map. Journal of Radiation Research, 2017, 58, 33-40.	1.6	6
35	Comparison of antioxidative effects between radon and thoron inhalation in mouse organs. Radiation and Environmental Biophysics, 2020, 59, 473-482.	1.4	6
36	Basic study on biochemical mechanism of thoron and thermal therapy. Physiological Chemistry and Physics and Medical NMR, 2006, 38, 85-92.	0.2	6

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37	Activation of Biodefense System by Low-Dose Irradiation or Radon Inhalation and Its Applicable Possibility for Treatment of Diabetes and Hepatopathy. <i>Isrn Endocrinology</i> , 2012, 2012, 1-11.	2.0	4
38	Confirmation of efficacy, elucidation of mechanism, and new search for indications of radon therapy. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2022, 70, 87-92.	1.4	4
39	Study on Antidepressant-Like Effects of Radon Inhalation on Forced Swim Induced Depression in Mice. <i>Radioisotopes</i> , 2016, 65, 493-506.	0.2	4
40	Evaluating the protective effects of radon inhalation or ascorbic acid treatment after transient global cerebral ischemic injury in gerbils. <i>Journal of Nuclear Science and Technology</i> , 2016, 53, 1681-1685.	1.3	3
41	Pressure dependence of X-rays produced by an LiTaO ₃ single crystal over a wide range of pressure. <i>Applied Radiation and Isotopes</i> , 2018, 135, 40-42.	1.5	3
42	Dosimetry of radon progeny deposited on skin in air and thermal water. <i>Journal of Radiation Research</i> , 2021, 62, 634-644.	1.6	3
43	Mechanisms of action of radon therapy on cytokine levels in normal mice and rheumatoid arthritis mouse model. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2022, 70, 154-159.	1.4	3
44	Study on Health Effects of Exposure to Radon &Recent Studies on Effects and Mechanisms of Radon Therapy. <i>Transactions of the Atomic Energy Society of Japan</i> , 2013, 12, 267-276.	0.3	1
45	Pressure dependence of X-rays produced by an LiTaO ₃ single crystal at the pressures of 1–20Pa. <i>Applied Radiation and Isotopes</i> , 2016, 116, 134-137.	1.5	1
46	A comparative study on effect of continuous radon inhalation on several-time acute alcohol-induced oxidative damages of liver and brain in mouse. <i>Radiation Safety Management</i> , 2011, 10, 1-7.	0.4	1
47	Basic Study on Enhancement of Antioxidant Function by Low-dose Irradiation in Mouse Brain and Its Combined Effect with Ascorbic Acid. <i>Radioisotopes</i> , 2020, 69, 45-53.	0.2	1
48	A simple method for estimating the potential of the pyroelectric crystal surface. <i>Applied Radiation and Isotopes</i> , 2022, 185, 110230.	1.5	1
49	Potential inhibitory effects of low-dose thoron inhalation and ascorbic acid administration on alcohol-induced hepatopathy in mice. <i>Journal of Radiation Research</i> , 0, , .	1.6	1
50	Knowledge Discovery of Suppressive Effect of Disease and Increased Anti-oxidative Function by Low-dose Radiation Using Self-organizing Map. <i>Radioisotopes</i> , 2018, 67, 43-57.	0.2	0
51	The Effects of Low-Dose-Rate ¹³⁷ Irradiation on Forced Swim Test-Induced Immobility and Oxidative Stress in Mice. <i>Acta Medica Okayama</i> , 2021, 75, 169-175.	0.2	0
52	Radon Solubility and Diffusion in the Skin Surface Layer. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7761.	2.6	0