Junko Takahashi

List of Publications by Year
in descending order

30 papers	854 citations	687363 13 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1504 citing authors

#	Article	IF	Citations
1	Generation of reactive oxygen species induced by gold nanoparticles under x-ray and UV Irradiations. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 604-614.	3.3	291
2	Response of Saccharomyces cerevisiae to a monoterpene: evaluation of antifungal potential by DNA microarray analysis. Journal of Antimicrobial Chemotherapy, 2004, 54, 46-55.	3.0	95
3	Effects of the Pesticide Thiuram:Â Genome-wide Screening of Indicator Genes by Yeast DNA Microarray. Environmental Science & Technology, 2002, 36, 3908-3915.	10.0	55
4	Analysis of Potential Radiosensitizing Materials for X-Ray-Induced Photodynamic Therapy. Nanobiotechnology, 2007, 3, 116-126.	1.2	51
5	Characterization of reactive oxygen species generated by protoporphyrin IX under X-ray irradiation. Radiation Physics and Chemistry, 2009, 78, 889-898.	2.8	47
6	5-Aminolevulinic acid enhances cancer radiotherapy in a mouse tumor model. SpringerPlus, 2013, 2, 602.	1.2	38
7	Flexible manipulation of microfluids using optically regulated adsorption/desorption of hydrophobic materials. Biosensors and Bioelectronics, 2007, 22, 1968-1973.	10.1	35
8	Verification of radiodynamic therapy by medical linear accelerator using a mouse melanoma tumor model. Scientific Reports, 2018, 8, 2728.	3.3	31
9	Self-assembled nanodiamond supraparticles for anticancer chemotherapy. Nanoscale, 2018, 10, 8969-8978.	5.6	24
10	Immunostimulatory Effects of Radiotherapy for Local and Systemic Control of Melanoma: A Review. International Journal of Molecular Sciences, 2020, 21, 9324.	4.1	22
11	Combined treatment with X-ray irradiation and 5-aminolevulinic acid elicits better transcriptomic response of cell cycle-related factors than X-ray irradiation alone. International Journal of Radiation Biology, 2016, 92, 774-789.	1.8	20
12	Assessment of harmfulness and biological effect of carbon fiber dust generated during new carbon fiber recycling method. Journal of Hazardous Materials, 2019, 378, 120777.	12.4	17
13	Oligonucleotide Microarray Analysis of Dietary-Induced Hyperlipidemia Gene Expression Profiles in Miniature Pigs. PLoS ONE, 2012, 7, e37581.	2.5	16
14	Verification of 5-Aminolevurinic Radiodynamic Therapy Using a Murine Melanoma Brain Metastasis Model. International Journal of Molecular Sciences, 2019, 20, 5155.	4.1	12
15	The Truth of Toxicity Caused by Yttrium Oxide Nanoparticles to Yeast Cells. Journal of Nanoscience and Nanotechnology, 2019, 19, 5418-5425.	0.9	12
16	Detection and monitoring of insect traces in bioaerosols. PeerJ, 2021, 9, e10862.	2.0	12
17	Transcriptome Analysis of Porphyrin-Accumulated and X-Ray-Irradiated Cell Cultures under Limited Proliferation and Non-Lethal Conditions. Microarrays (Basel, Switzerland), 2015, 4, 25-40.	1.4	11
18	DNA Strand Break Properties of Protoporphyrin IX by X-ray Irradiation against Melanoma. International Journal of Molecular Sciences, 2020, 21, 2302.	4.1	11

#	Article	IF	Citations
19	Oxidative stress caused by TiO2 nanoparticles under UV irradiation is due to UV irradiation not through nanoparticles. Chemico-Biological Interactions, 2018, 294, 144-150.	4.0	10
20	Relationship between flavonoid structure and reactive oxygen species generation upon ultraviolet and X-ray irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112044.	3.9	10
21	Luteolin as reactive oxygen generator by X-ray and UV irradiation. Radiation Physics and Chemistry, 2018, 146, 11-18.	2.8	6
22	In Vivo Study of the Efficacy and Safety of 5-Aminolevulinic Radiodynamic Therapy for Glioblastoma Fractionated Radiotherapy. International Journal of Molecular Sciences, 2021, 22, 9762.	4.1	6
23	Oligonucleotide Microarray Analysis of Age-Related Gene Expression Profiles in Miniature Pigs. PLoS ONE, 2011, 6, e19761.	2.5	6
24	Evaluation of the physiology of miniature pig fed Shochu distillery waste using mRNA expression profiling. Journal of Material Cycles and Waste Management, 2018, 20, 237-244.	3.0	4
25	Evaluation of the effect of high pressure carbon dioxide-pasteurized food on animal health. High Pressure Research, 2019, 39, 357-366.	1.2	4
26	Screening of X-ray responsive substances for the next generation of radiosensitizers. Scientific Reports, 2019, 9, 18163.	3.3	4
27	RNA Quality Control Using External Standard RNA. Polish Journal of Microbiology, 2018, 67, 347-353.	1.7	2
28	Gene expression profiling can predict the fate of HeLa cells exposed to X-ray irradiation with or without protoporphyrin accumulation. Genomics Data, 2015, 5, 192-194.	1.3	1
29	THE ROLE OF TRANSCRIPTOMICS: PHYSIOLOGICAL EQUIVALENCE BASED ON GENE EXPRESSION PROFILES. Reviews in Agricultural Science, 2017, 5, 21-35.	2.7	1
30	Evaluation for Integrity of Extracted RNA by Reference Material of RNA. Journal of Medical Diagnostic Methods, 2013, 02, .	0.0	0