

Aki Hirayama

List of Publications by Year in descending order

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73
papers

2,470
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218662

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Live-Imaging Analysis of Target Vessels and Nitric Oxide Production Associated with Gosha-Jinki-Gan and Keishi-Bukuryo-Gan: Two Herbal Preparations with Clinically Proven Blood Flow-Improving Effects but with Different Traditional Clinical Indicative Patterns. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	1
2	Novel neuroprotection using antioxidant nanoparticles in a mouse model of head trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 677-685.	2.1	12
3	Clinical significance of redox effects of Kampo formulae, a traditional Japanese herbal medicine: comprehensive estimation of multiple antioxidative activities. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 62, 39-48.	1.4	14
4	Dose-dependent decrease in anti-oxidant capacity of whole blood after irradiation: A novel potential marker for biodosimetry. <i>Scientific Reports</i> , 2018, 8, 7425.	3.3	21
5	Over Antioxidation, in Addition to Oxidative Stress, Contributes to the Pathogenesis of Autism Spectrum Disorders in Children. <i>Free Radical Biology and Medicine</i> , 2017, 112, 132.	2.9	1
6	Neurovascular Unit Protection From Cerebral Ischemiaâ€Reperfusion Injury by Radical-Containing Nanoparticles in Mice. <i>Stroke</i> , 2017, 48, 2238-2247.	2.0	61
7	Effect of Keishibukuryogan, a Japanese Traditional Kampo Prescription, on Improvement of Microcirculation and Oketsu and Induction of Endothelial Nitric Oxide: A Live Imaging Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-7.	1.2	19
8	Metabolic analysis of radioresistant medulloblastoma stem-like clones and potential therapeutic targets. <i>PLoS ONE</i> , 2017, 12, e0176162.	2.5	17
9	Cancer cell-specific mitochondrial reactive oxygen species promote non-heme iron uptake and enhance the proliferation of gastric epithelial cancer cell. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2017, 61, 183-188.	1.4	5
10	Reactive oxygen species induced by non-steroidal anti-inflammatory drugs enhance the effects of photodynamic therapy in gastric cancer cells. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 180-185.	1.4	17
11	Kangen-karyu raises surface body temperature through oxidative stress modification. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 167-173.	1.4	9
12	Design and use of silica-containing redox nanoparticles, siRNPs, for high-performance peritoneal dialysis. <i>Biomaterials Science</i> , 2014, 2, 522.	5.4	13
13	Redox-active injectable gel using thermo-responsive nanoscale polyion complex flower micelle for noninvasive treatment of local inflammation. <i>Journal of Controlled Release</i> , 2013, 172, 914-920.	9.9	45
14	Therapeutic efficacy of the Qing Dai in patients with intractable ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2013, 19, 2718.	3.3	60
15	Bisphosphonate-induced gastrointestinal mucosal injury is mediated by mitochondrial superoxide production and lipid peroxidation. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2012, 51, 196-203.	1.4	31
16	PPAR β Activator Pioglitazone Prevents Age-Related Atrial Fibrillation Susceptibility by Improving Antioxidant Capacity and Reducing Apoptosis in a Rat Model. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 209-217.	1.7	69
17	Rebamipide attenuates nonsteroidal anti-inflammatory drugs (NSAID) induced lipid peroxidation by the manganese superoxide dismutase (MnSOD) overexpression in gastrointestinal epithelial cells. <i>Journal of Physiology and Pharmacology</i> , 2012, 63, 137-42.	1.1	10
18	Lansoprazole inhibits mitochondrial superoxide production and cellular lipid peroxidation induced by indomethacin in RGM1 cells. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 49, 25-30.	1.4	20

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19	Newly Synthesized Radical-Containing Nanoparticles Enhance Neuroprotection After Cerebral Ischemia-Reperfusion Injury. <i>Neurosurgery</i> , 2011, 68, 1418-1426.	1.1	68
20	The ROS scavenging and renal protective effects of pH-responsive nitroxide radical-containing nanoparticles. <i>Biomaterials</i> , 2011, 32, 8021-8028.	11.4	136
21	Gastric acid induces mitochondrial superoxide production and lipid peroxidation in gastric epithelial cells. <i>Journal of Gastroenterology</i> , 2011, 46, 1167-1176.	5.1	23
22	Analysis of T-cell receptor usage in myeloperoxidase ⁺ antineutrophil cytoplasmic antibody-associated renal vasculitis. <i>Clinical and Experimental Nephrology</i> , 2010, 14, 36-42.	1.6	5
23	Spherical Carbon Adsorbent (AST-120) Protects Deterioration of Renal Function in Chronic Kidney Disease Rats through Inhibition of Reactive Oxygen Species Production from Mitochondria and Reduction of Serum Lipid Peroxidation. <i>Nephron Experimental Nephrology</i> , 2010, 115, e101-e111.	2.2	32
24	Redox regulation in radiation-induced cytochrome c release from mitochondria of human lung carcinoma A549 cells. <i>Cancer Letters</i> , 2009, 277, 64-71.	7.2	91
25	pH-Sensitive Radical-Containing-Nanoparticle (RNP) for the L-Band-EPR Imaging of Low pH Circumstances. <i>Bioconjugate Chemistry</i> , 2009, 20, 1792-1798.	3.6	83
26	Hyperglycemia induces oxidative and nitrosative stress and increases renal functional impairment in Nrf2 ^{-/-} mice. <i>Genes To Cells</i> , 2008, 13, 1159-1170.	1.2	175
27	Effect of CV159 ⁺ Ca ²⁺ /Calmodulin Blockade on Redox Status Hepatic Ischemia ⁻ Reperfusion Injury in Mice Evaluated by a Newly Developed In Vivo EPR Imaging Technique. <i>Journal of Surgical Research</i> , 2008, 147, 41-49.	1.6	11
28	Nitric oxide protection against adriamycin-induced tubulointerstitial injury. <i>Free Radical Research</i> , 2008, 42, 154-161.	3.3	5
29	In Vivo Imaging of Renal Redox Status during Azelnidipine Treatment. <i>Hypertension Research</i> , 2008, 31, 1643-1650.	2.7	12
30	Hepatocyte-Specific Deletion of Heme Oxygenase-1 Disrupts Redox Homeostasis in Basal and Oxidative Environments. <i>Tohoku Journal of Experimental Medicine</i> , 2008, 216, 331-339.	1.2	30
31	In vivo detection of intrinsic reactive oxygen species using acyl-protected hydroxylamine in puromycin nephrosis. <i>Free Radical Research</i> , 2007, 41, 823-828.	3.3	8
32	Elimination of Lipid Peroxide during Hemodialysis. <i>Nephron Clinical Practice</i> , 2007, 106, c162-c168.	2.3	2
33	Proanthocyanidin promotes free radical-scavenging activity in muscle tissues and plasma. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 1097-1104.	1.9	8
34	L-Arginine Administration Reverses Anemia Associated with Renal Disease. <i>International Journal of Hematology</i> , 2007, 86, 126-129.	1.6	6
35	Tissue Prx I in the protection against Fe-NTA and the reduction of nitroxyl radicals. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 226-231.	2.1	24
36	Effect of spontaneous exercise on antioxidant capacity in rat muscles determined by electron spin resonance. <i>Acta Physiologica</i> , 2006, 186, 119-125.	3.8	14

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37	Electron Paramagnetic Resonance Imaging of Oxidative Stress in Renal Disease. <i>Nephron Clinical Practice</i> , 2006, 103, c71-c76.	2.3	17
38	Erythropoietin-resistant anaemia in a predialysis patient with Klinefelter syndrome. Case Report. <i>Nephrology</i> , 2005, 10, 147-150.	1.6	5
39	In vivo imaging of oxidative stress in ischemia-reperfusion renal injury using electron paramagnetic resonance. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F597-F603.	2.7	50
40	Light-Shielded Hemodialysis Prevents Hypotension and Lipid Peroxidation by Inhibiting Nitric Oxide Production. <i>Clinical Chemistry</i> , 2005, 51, 2397-2398.	3.2	8
41	Evaluation of adriamycin nephropathy by an in vivo electron paramagnetic resonance. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 326-331.	2.1	18
42	Normalizing renal reducing ability prevents adriamycin-induced proteinuria. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 48-51.	2.1	9
43	Does fluvastatin really have an antioxidant effect in humans?. <i>Kidney International</i> , 2005, 68, 1373-1374.	5.2	0
44	Nrf2 deficiency improves autoimmune nephritis caused by the fas mutation lpr. <i>Kidney International</i> , 2004, 65, 1703-1713.	5.2	28
45	Treatment with the purine synthesis inhibitor mizoribine for ANCA-associated renal vasculitis. <i>American Journal of Kidney Diseases</i> , 2004, 44, 57-63.	1.9	37
46	Nutcracker syndrome associated with severe anemia and mild proteinuria. <i>Clinical Nephrology</i> , 2004, 62, 62-65.	0.7	26
47	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 2003, 244, 63-67.	3.1	5
48	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 2003, 244, 3-9.	3.1	4
49	Association of ecNOS gene polymorphisms with end stage renal diseases. <i>Molecular and Cellular Biochemistry</i> , 2003, 244, 113-118.	3.1	48
50	Importance of renal mitochondria in the reduction of TEMPOL, a nitroxide radical. <i>Molecular and Cellular Biochemistry</i> , 2003, 244, 119-124.	3.1	26
51	The antioxidant EPC-K1 ameliorates brain injury by inhibiting lipid peroxidation in a rat model of transient focal cerebral ischaemia. <i>Acta Neurochirurgica</i> , 2003, 145, 489-493.	1.7	22
52	EPR imaging of reducing activity in Nrf2 transcriptional factor-deficient mice. <i>Free Radical Biology and Medicine</i> , 2003, 34, 1236-1242.	2.9	81
53	Oxidative stress during leukocyte absorption apheresis. <i>Journal of Clinical Apheresis</i> , 2003, 18, 61-66.	1.3	12
54	Glomerular crescents predominantly express cadherinâ€‘catenin complex in pauciâ€‘immuneâ€‘type crescentic glomerulonephritis. <i>Histopathology</i> , 2003, 43, 173-179.	2.9	15

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55	Nrf2 regulates the sensitivity of death receptor signals by affecting intracellular glutathione levels. <i>Oncogene</i> , 2003, 22, 9275-9281.	5.9	105
56	Antioxidant capacity in rat skeletal muscle tissues determined by electron spin resonance. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 215-220.	1.6	23
57	Reduced Serum Hydroxyl Radical Scavenging Activity in Erythropoietin Therapy Resistant Renal Anemia. <i>Free Radical Research</i> , 2002, 36, 1155-1161.	3.3	20
58	Identification by an EPR technique of decreased mitochondrial reducing activity in puromycin aminonucleoside-induced nephrosis. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1082-1088.	2.9	16
59	In vivo temporal EPR imaging for estimating the kinetics of a nitroxide radical in the renal parenchyma and pelvis in rats. <i>Magnetic Resonance Imaging</i> , 2002, 20, 77-82.	1.8	21
60	Heterogeneity of Prognosis in Adult IgA Nephropathy, Especially with Mild Proteinuria or Mild Histological Features.. <i>Internal Medicine</i> , 2001, 40, 697-702.	0.7	24
61	Effect of different dialyzers on defensins during hemodialysis. <i>Clinical and Experimental Nephrology</i> , 2001, 5, 163-167.	1.6	1
62	Nrf2-deficient female mice develop lupus-like autoimmune nephritis11See Editorial by Byrd and Thomas, p. 1606.. <i>Kidney International</i> , 2001, 60, 1343-1353.	5.2	313
63	Uremic concentrations of guanidino compounds inhibit neutrophil superoxide production. <i>Kidney International</i> , 2001, 59, S89-S92.	5.2	5
64	Hemodialysis Does Not Influence the Peroxidative State Already Present in Uremia. <i>Nephron</i> , 2000, 86, 436-440.	1.8	25
65	Formation of guanidinosuccinic acid, a stable nitrix oxide mimic, from argininosuccinic acid and nitric oxide-derived free radicals. <i>Free Radical Research</i> , 1999, 31, 59-65.	3.3	35
66	S-Nitrosothiols Are Stored by Platelets and Released during Platelet-Neutrophil Interactions. <i>Nitric Oxide - Biology and Chemistry</i> , 1999, 3, 95-104.	2.7	36
67	Biosynthesis of Methylguanidine in the Hepatic Peroxisomes and the Effect of the Induction of Peroxisomal Enzymes by Clofibrate. <i>Nephron</i> , 1998, 78, 82-87.	1.8	6
68	Thiobarbituric acid reactive substances are increased in the subcutaneous fat tissue of patients with end-stage renal disease. <i>Nephrology Dialysis Transplantation</i> , 1997, 12, 713-717.	0.7	34
69	A Novel Nonenzymatic Pathway for the Generation of Nitric Oxide by the Reaction of Hydrogen Peroxide and D- or L-Arginine. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 150-153.	2.1	164
70	NO Is Not Exclusively Generated by the Reaction of L-Arginine and NOS and Is Poorly Identified by the Griess Reaction or Clark-Type Electrodes. <i>Nephron</i> , 1997, 77, 489-489.	0.6	0
71	Favorable effect of hemodialysis on decreased serum antioxidant activity in hemodialysis patients demonstrated by electron spin resonance.. <i>Journal of the American Society of Nephrology: JASN</i> , 1997, 8, 1157-1163.	6.1	41
72	A case of superantigen-related glomerulonephritis after methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infection. <i>Clinical Nephrology</i> , 1997, 48, 311-6.	0.7	28

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73	Increased Lipid Peroxidation by Rat Liver Microsomes in Experimental Renal Failure. <i>Nephron</i> , 1996, 74, 204-208.	0.6	4