

## Research Papers 2002-2009

Title	Conference, Collaborators	Year
Redox regulation by model water for electrolyzed-reduced water	The 8th Annual Meeting of the Japanese society for functional water Ayumi Hosokawa et.al.	2009
Analysis of nano particle on biological availability and toxicity	The 8th Annual Meeting of the Japanese society for functional water Keishi Kadooka et.al.	2009
Survival benefit of electrolyzed-reduced water on nematode	The 8th Annual Meeting of the Japanese society for functional water H. Yan et.al.	2009
Analysis of inducible mechanism of cancer cell death by atomic hydrogen	The 8th Annual Meeting of the Japanese society for functional water Katsuhiko Shigiyama et.al.	2009
Examination of anti-diabetic effect of model water for electrolyzed-reduced water	The 8th Annual Meeting of the Japanese society for functional water Takuro Nakamura et.al.	2009
Suppressive effect of Electrolyzed Water with high dissolved Hydrogen (H <sub>2</sub> ) on Cardiorenal syndrome of Dahl Salt sensitive rat	Renal Week 2009, American Society of Nephrology Wan-Jun Zhu et.al.	2009
Induction of apoptosis of cancer cells by atomic hydrogen produced by catalyst activity of platinum nanoparticles	The 68th Annual Meeting of the Japanese Cancer Association Sanetaka Shirahata et.al.	2009
Use experience of electrolysis hemodialysis using electrolyzed-reduced water	The joint meeting of the 76th Annual Meeting of theHokkaido Dialysis Therapy and the 36th Scientific Meeting of the Tohoku renal failure Susumu Uemura et.al.	2009
Clinical evaluation of hemodialysis using electrolyzed-reduced water	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Koichi Ishibashiri et.al.	2009
Case report of a patient accepted reduction of itch by dialysate using electrolyzed-reduced water	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Ryoichi Nakazawa et.al.	2009
Examination of hemodialysis system using electrolyzed water	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Hiroshi Nemoto et.al.	2009
Use experience of electrolysis hemodialysis using water at cathod side of electrolysis	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Susumu Uemura et.al.	2009
Effect of Electrolyzed-reduced water on skin temperature of lower limb on hemodialysis patients	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Akiko Kobayashi et.al.	2009
Evaluation of water from hemodialysis system by using electrolyzed-reduced water	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Minako Yataka et.al.	2009
Exploratory investigation about long-term clinical effect of electrolysis hemodialysis	The 54th Annual Meeting of the Japanese Society for Dialysis Therapy (Japan Kidney Week 2009) Masaaki Nakayama et.al.	2009
Examination of intake of electrolyzed water on suppressive effect of kidney injury in cronic kidney disease (CKD) model rat	The 52nd Annual Meeting of Japanese Society of Nephrology Wan-Jun Zhu et.al.	2009
Fundamental investigation for suppressive effect of intake of electrolyzed water on cardiorenal organ dysfunction	The 8th Scientific Meeting of the Japanese Society of Anti-Aging Medicine Wan-Jun Zhu et.al.	2009
Biological effect of Electrolyzed Water in Hemodialysis	Nephron Clinical Practice 2009;112:c9-c15 Masaaki Nakayama et.al.	2009
Induction mechanism of cell death of cancer cells by atomic hydrogen	Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2009 Katsuhiko Shigiyama et.al.	2009
Anti-diabetes effects of electrolyzed reduced water and its model water	Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2009 Takuro Nakamura et.al.	2009
Redox regulation by electrolyzed reduced water and its model water	Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2009 Ayumi Hosokawa et.al.	2009

Next-generation hemodialysis system for palliating lassitude after hemodialysis	The 6th Japan Congress Support of Home Dialysis Masaaki Nakayama et.al.	2009
Electrolyzed water at cathode side (EW) suppressed renal injury in chronic kidney disease rats	The 9th Scientific Meeting of renal failure pathosis therapy Wan-Jun Zhu et.al.	2008
Collaboration for clinical effect of electrolysis hemodialysis	The 9th Scientific Meeting of renal failure pathosis therapy Masaaki Nakayama et.al.	2008
Electrolyzed water at cathode side (EW) suppressed renal injury in chronic kidney disease rats	Renal Week 2008, American Society of Nephrology Wan-Jun Zhu et.al.	2008
Growth suppression of HL60 and L6 cells by atomic hydrogen	The 21st Annual and International Meeting of Japanese Association for Animal Cell Technology K. Nakanishi et.al.	2008
Suppressive effects of hydrogen and atomic hydrogen on type 2 diabetes	The 21st Annual and International Meeting of Japanese Association for Animal Cell Technology K. Haramaki et.al.	2008
Suppressive effect of electrolyzed reduced water on lipid peroxidation and lipid absorption	The 21st Annual and International Meeting of Japanese Association for Animal Cell Technology M. Abe et.al.	2008
Elongation of lifespan of nematode by electrolyzed reduced water	The 21st Annual and International Meeting of Japanese Association for Animal Cell Technology H. Yan et.al.	2008
Inducible effect of cancer cell death by electrolyzed -reduced water and it's model water	The annual meeting of West Japan of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2008 K. Kadekaru et.al.	2008
Antidiabetic effect of electrolyzed -reduced water and it's model water	The annual meeting of West Japan of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2008 K. Haramaki et.al.	2008
Examination of hemodialysis system using electrolyzed water	The 36th Scientific Meeting of the Tohoku renal failure Hiroshi Nemoto et.al.	2008
Investigation of biocompatibility about Hemodialysis solution (HD) by Electrolyzed water (EW)	The 53th Annual Meeting of the Japanese Society for Dialysis Therapy Masaaki Nakayama et.al.	2008
Protective effect of electrolyzed cathodic water on diabetic nephropathy	The 8th Scientific Meeting of the Japanese Society of Anti-Aging Medicine Takefumi Mori et.al.	2008
Potential of intake of electrolyzed water (Alkaline ion water) in countermeasure for chronic kidney disease	The 8th Scientific Meeting of the Japanese Society of Anti-Aging Medicine Masaaki Nakayama et.al.	2008
Intake of electrolyzed cathodic water reduce excretion of urine protein of streptozotocin-induced diabetes Dahl S rat.	The 51st Annual Meeting of Japanese Society of Nephrology Yusuke Osaki et.al.	2008
Investigation of participation of methylglyoxal on Cardiorenal syndrome	Vascular Medicine 2008 vol.4 no.4 345-351 Masaaki Nakayama et.al.	2008
Kinetic analysis of superoxide anion radical-scavenging and hydroxyl radical-scavenging activities of platinum nanoparticles.	Langmuir, June, Web on line Takeki Hamasaki et.al.	2008
Examination of electrolyzed-reduced water on survival benefit of nematode	Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2008 H. Yan et.al.	2008
Suppressive effect of Electrolyzed-reduced Water on Lipid peroxidation and absorption	Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2008 Masumi Abe et.al.	2008
Inhibitory Effect of Electrolyzed Reduced Water on Tumor Angiogenesis	Biological & Pharmaceutical Bulletin 31(1),19-26, January Jun YE et.al.	2008
Antioxidative effect of electrolyzed-reduced water supplemented with platinum nanoparticle and effects on parkinson model animal	The 4th meeting of the Japanese Society for Functional Water (Hakodate) Akitami Sato et al	2005
Diabetes prevention through redox regulation by reduced water	The 4th meeting of the Japanese Society for Functional Water (Hakodate) Sanetaka Shirahata et al	2005

Redox regulation and diabetes prevention by reduced water	Japanese Association for Animal Cell Technology (Tokyo) , The joint meeting of west Japan and Hokkaido of Japan Society for Bioscience, Biotechnology, and Agrochemistry (Fukuoka) Kiichiro Teruya et al	2005
Redox regulation by reduced waters as active hydrogen donors and intracellular ROS scavengers for prevention of diabetes	The 19th European Society for Animal Cell Technology Meeting (Harrogate, UK) S. Shirahata et al	2005
Induction of caspase-3-dependent apoptosis by electrolyzed reduced water/platinum nanoparticles in cancer cells	The 19th European Society for Animal Cell Technology Meeting (Harrogate, UK) T. Hamasaki et al	2005
Analysis of superoxide anion and hydroxyl radical scavenging activities by platinum nanoparticle	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sapporo) Takeki Hamasaki et al	2005
Suppressive effect of reduced water with reactive oxygen species scavenging activity on type 1 diabetes mellitus	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sapporo) Yuping Li et al	2005
Electrolyzed reduced water supplemented with platinum nanoparticles suppresses promotion of two-stage cell transformation	Cytotechnology R. Nishikawa et al	2005
Analysis of hydroxyl radical scavenging activity by platinum nanoparticle	The 3rd meeting of the Japanese Society for Functional Water (Tokyo) Takeki Hamasaki et al	2004
Medical application of reduced water as reactive oxygen species scavenger and active hydrogen donor	The 17th Annual Meeting of the Japanese Association for Animal Cell Technology(Nagoya) S. Shirahata	2004
Platinum nanoparticles in electrolyzed reduced water induces apoptosis in cancer cells	The 17th Annual Meeting of the Japanese Association for Animal Cell Technology(Nagoya) T. Hamasaki et al	2004
Suppression of two-stage cell transformation by electrolyzed reduced water/platinum nanocolloids	The 17th Annual Meeting of the Japanese Association for Animal Cell Technology(Nagoya) R. Nishikawa et al	2004
Suppression of Invasion of Cancer Cells and Angiogenesis by Electrolyzed Reduced Water	2004 World Congress on In Vitro Biology(USA) Y. Jun et al	2004
Suppression of Two-stage Cell Transformation by Electrolyzed Reduced Water/Platinum Nanocolloids	2004 World Congress on In Vitro Biology(USA) R. Nishikawa et al	2004
Mechanism for suppressive effect of reduced water with reactive oxygen species scavenging activity on diabetes	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Yuping Li et al	2004
Suppression of apoptosis by reduced water in nerve cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Tenyou Ishikawa et al	2004
Effect of reduction of platinum nanocolloids and electrolyzed-reduced water on nerve cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Taichi Kashiwagi et al	2004
Induction of cancer cell-specific apoptosis by electrolyzed-reduced water/platinum nanoparticles	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Shinsuke Aramaki et al	2004
Reaction kinetics analysis of reactive oxygen species scavenging activity of platinum nanocolloids	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Takeki Hamasaki et al	2004
Reduced water functions as active hydrogen donors and ROS scavengers	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Sanetaka Shirahata et al	2004
Suppression of carcinogenesis mutation formation at promotion stage by electrolyzed-reduced water /platinum nanocolloid	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Hiroshima) Ryuhei Nishikawa et al	2004
Characteristic analysis of reduced waters as active hydrogen donors and reactive oxygen species scavenger	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Sanetaka Shirahata et al	2003
Characteristic analysis of platinum nanocolloids as active hydrogen donors and reactive oxygen species scavenger	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Takeki Hamasaki et al	2003

Suppressive effect of reduced water against alloxan induced type 1 diabetes mellitus	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Yuping Li et al	2003
Effects of Electrolyzed-Reduced Water on the Matrix Metalloproteinase-2 Activities and In Vitro Invasion of Human Fibrosarcoma HT1080 Cells	The 2nd meeting of the Japanese Society for Functional Water (Gifu) J. Ye et al	2003
Induction of apoptosis by platinum nanocolloids/electrolyzed reduced water in cancer cells	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Shinsuke Aramaki et al	2003
Electrolyzed-reduced water protects nerve cells from glutamic acid toxicity	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Taichi Kashiwagi et al	2003
Suppression of apoptosis by reduced water in nerve cells	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Tenyou Ishikawa et al	2003
Suppression of two-stage carcinogenic focus formation by electrolyzed-reduced water/ platinum nanocolloids	The 2nd meeting of the Japanese Society for Functional Water (Gifu) Ryuhei Nishikawa et al	2003
Function analysis of platinum nanocolloids as active hydrogen donors and reactive oxygen species scavenger	The joint meeting of West Japan and Cyugoku · Sikoku of Japan Society for Bioscience, Biotechnology, and Agrochemistry ,West Japan of Japanese Society of Nutrition and Food Science,West Japan of The Japanese Society for Food Science and Technology (Kagoshima) Toshifumi Imada et al	2003
Suppressive effect of electrolyzed-reduced water/platinum nanocolloids on proliferation of cancer cells	The joint meeting of West Japan and Cyugoku · Sikoku of Japan Society for Bioscience, Biotechnology, and Agrochemistry ,West Japan of Japanese Society of Nutrition and Food Science,West Japan of The Japanese Society for Food Science and Technology (Kagoshima) Shinsuke Aramaki et al	2003
Suppression of carcinogenic focus formation by electrolyzed-reduced water/platinum nanocolloids	Japanese Association for Animal Cell Technology (Osaka) Ryuhei Nishikawa et al	2003
Suppressive effect of electrolyzed-reduced water against nerve cell death induced by oxidative stress	Japanese Association for Animal Cell Technology (Osaka) Taichi Kashiwagi et al	2003
Scavenging of reactive oxygen species and suppressive effect on cell growth by hydrogen-platinum nano colloids	Japanese Association for Animal Cell Technology (Osaka) Takeki Hamasaki et al	2003
Suppressive effect of reduced water on pancreatic $\beta$ -cells damage caused by oxidative stress	Japanese Society of Nutrition and Food Science (Fukuoka) Yuping Li et al	2003
Suppressive effect of reduced water on the apoptotic cell death triggered by oxidative stress in pancreatic $\beta$ HIT-T15 cells	18th ESACT Meetings(Spain) S. Shirahata et al	2003
Physiological functions of platinum nanocolloides as scavengers against reactive oxygen species	18th ESACT Meetings(Spain) T. Hamasaki et al	2003
The inhibition of VEGF expression in human fibrosarcoma HT 1080 cells by electrolyzed-reduced water	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) June Ye et al	2003
Effectiveness of platinum nanocolloid in eliminating active oxygen	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Takeki Hamasaki et al	2003
Suppressive effect of electrolyzed-reduced water on glutamic acid induced nerve cytotoxicity	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Taichi Kashiwagi et al	2003
Suppressive effect of reduced water on the apoptotic cell death triggered by oxidative stress in pancreatic $\beta$ -cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Yuping Li et al	2003
Analysis of mechanisim for differentiation induced by electrolyzed- reduced water in K562 human leukemia cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Takaaki Komatsu et al	2003
The inhibition of VEGF expression in human fibrosarcoma	Japan Society for Bioscience, Biotechnology, and	2003

HT1080 cells by electrolyzed-reduced water	Agrochemistry (Tokyo) June Ye et al	
Effectiveness of platinum nanocolloid in eliminating active oxygen	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Tokyo) Takeki Hamasaki et al	2003
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Analysis of electrolyzed reduced water as a differentiation inducing mechanism for K562 human leukemia cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Tokyo) Takaaki Komatsu et al	2003
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Suppression of carcinogenic focus formation by electrolyzed-reduced water/platinum nanocolloids	Japanese Association for Animal Cell Technology (Osaka) Ryuhei Nishikawa et al	2003
Suppressive effect of electrolyzed-reduced water against nerve cell death induced by oxidative stress	Japanese Association for Animal Cell Technology (Osaka) Taichi Kashiwagi et al	2003
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Effectiveness of platinum nanocolloid in eliminating active oxygen	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Takeki Hamasaki et al	2003
Suppressive effect of electrolyzed-reduced water on glutamic acid induced nerve cytotoxicity	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Taichi Kashiwagi et al	2003
Suppressive effect of reduced water on the apoptotic cell death triggered by oxidative stress in pancreatic $\beta$ -cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Yuping Li et al	2003
Analysis of mechanism for differentiation induced by electrolyzed-reduced water in K562 human leukemia cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Kanagawa) Takaaki Komatsu et al	2003
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Title	Summary	Conference, Collaborators	Year
Inhibiting effect of functional water on formation of fatty acid peroxides	Electrolyzed reduced water was found to inhibit formation of fatty acid peroxides, and antiarteriosclerotic effects are anticipated.	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sendai) Yoko Sugihara et al	2002
Protective effect of reduced water against alloxan induced damage to pancreatic $\beta$ -cells	Reduced water was found to inhibit damage to pancreatic $\beta$ -cells caused by alloxan, which triggers type-1 diabetes, and to promote insulin secretion.	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sendai) Makoto Kaminishi et al	2002
Suppressive effect of electrolyzed reduced water on nerve cell death caused by oxidative stress	Electrolyzed reduced water was found to suppress nerve cell death caused by oxidative stress.	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sendai) Taichi Kashiwagi et al	2002
Suppressive effect of electrolyzed reduced water on multiplication of human leukemia cells	Electrolyzed reduced water was found to inhibit multiplication of human leukemia cells and to induce differentiation into normal cells.	Japan Society for Bioscience, Biotechnology, and Agrochemistry (Sendai) Takaaki Komatsu et al	2002
Suppression of lipid peroxidation by electrolyzed reduced water	Electrolyzed reduced water was found to inhibit peroxidation of linoleic acid and cellular membranes.	15th meeting of JAACT, Tokyo Takeki Hamasaki et al	2002
Electrolyzed reduced water induces differentiation in K562 human leukemia cells.	Electrolyzed reduced water was found to induce megakaryocytic differentiation in human leukemia cells.	15th meeting of JAACT, Tokyo Takaaki Komatsu et al	2002
Suppression of glutamate-induced neural death of PC12 cells by electrolyzed reduced water	Electrolyzed reduced water was found to inhibit glutamate-induced death of PC12 nerve cells.	15th meeting of JAACT, Tokyo Taichi Kashiwagi et al	2002
Protective action of reduced water against alloxan-induced cytotoxicity in pancreatic $\beta$ -cell	Reduced water was found to provide protection against alloxan-induced cytotoxicity in pancreatic $\beta$ -cells.	15th meeting of JAACT, Tokyo Yuping Li et al	2002
Protective mechanism of reduced water against alloxan-induced pancreatic $\beta$ -cell damage: Scavenging effect against reactive oxygen species	By eliminating active oxygen, reduced water was found to provide protection against pancreatic $\beta$ -cell damage due to alloxan toxicity.	Cytotechnology, 40, 139–149 Yuping Li et al	2002
Phenotypic changes in tumor cells induced by electrolyzed reduced water	Electrolyzed reduced water was found to inhibit the formation of malignant phenotype colonies by tumor cells	Japan Society for Bioscience, Biotechnology, and Agrochemistry, Joint Conference of Kansai, West Japan, Chugoku, and Shikoku Chapters Hirofumi Nogami et al	2001
Antidiabetic effectiveness of electrolyzed reduced water and natural reduced water	Both electrolyzed reduced water and natural reduced water were found to promote sugar uptake into muscle tissue and to improve glucose tolerance disorders in model mice with type-2 diabetes.	Japan Society for Bioscience, Biotechnology, and Agrochemistry, Joint Conference of Kansai, West Japan, Chugoku, and Shikoku Chapters Makoto Kaminishi et al	2001
"Phenotypic changes in tumor cells induced by electrolyzed reduced water"	Electrolyzed reduced water was found to inhibit metastasis and infiltration of cancer cells.	Japanese Association for Animal Cell Technology (Kyoto) Hirofumi Nogami et al	2001
Suppressive effect of electrolyzed-reduced water on the growth of cancer cells and microorganisms	Electrolyzed reduced water was found to inhibit the proliferation of cancer cells and microorganisms.	17th ESACT Meeting (Sweden) S. Shirahata et al	2001
Anti-oxidative water improves diabetes	Provides a comprehensive explanation of the effectiveness of anti-oxidative water in improving diabetes.	17th ESACT Meeting (Sweden) S. Shirahata et al	2001
Study of cancer-inhibiting effects of electrolyzed reduced water	Using electrolyzed reduced water to suppress the secretion of proteolytic enzymes by cancer cells was found to inhibit metastasis and infiltration of cancer cells.	Japan Society for Bioscience, Biotechnology, and Agrochemistry Taichi Hara et al	2000
Inhibition of cancerous characteristics by reduced water	Electrolyzed reduced water was found to inhibit characteristics associated with metastasis and infiltration of cancer cells.	Japanese Tissue Culture Association (Okayama) Kiichiro Teruya et al	2000



Study of cancer-inhibiting effects of electrolyzed reduced water	Electrolyzed reduced water was found to inhibit metastasis and infiltration of cancer cells.	Japan Society for Bioscience, Biotechnology, and Agrochemistry Taichi Hara et al	1999
Effects of electrolyzed reduced water on sugar uptake signal pathways	Electrolyzed reduced water was found to inhibit the growth of cancer cells and to induce phenotypical changes.	Japan Society for Bioscience, Biotechnology, and Agrochemistry Masaaki Oda et al	1999
Electrolyzed and natural reduced water exhibit insulin-like activity on glucose uptake into muscle cells and adipocytes	Electrolyzed reduced water was found to promote glucose uptake into muscle cells and adipocytes in a manner similar to insulin.	The 16th meeting of the European Society for Animal Cell Technology S. Shirahata et al	1999
Effects of electrolyzed reduced water in eliminating active oxygen and protecting against oxidative damage to DNA	Electrolyzed reduced water was found to eliminate superoxide radicals produced in a test tube. It also suppressed DNA damage caused by active oxygen.	Japan Society for Bioscience, Biotechnology, and Agrochemistry Masaaki Oda et al	1998
Effects of electrolyzed reduced water in inhibiting proliferation of cancer cells	Electrolyzed reduced water was found to inhibit proliferation of cancer cells and to induce phenotypical changes.	Japan Society for Bioscience, Biotechnology, and Agrochemistry Eri Murakami et al	1998
Telomere shortening in cancer cells by reduced water.	Electrolyzed reduced water was found to induce telomere shortening and deterioration in cancer cells.	The joint international meeting of the Japanese Association for Animal Cell Technology (JAAC) and the European Society for Animal Cell Technology (ESACT) S. Shirahata et al	1998
Electrolyzed-reduced water scavenges active oxygen species and protects DNA from oxidative damage.	Electrolyzed reduced water was found to eliminate superoxide radicals produced in a test tube. It also suppressed DNA damage caused by active oxygen.	Biochemical and Biophysical Research Communications, 234, 269-274 S. Shirahata et al	1997