Keizo Takeshita

List of Publications by Year
in descending order

30 papers	908 citations	516710 16 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1009 citing authors

#	Article	IF	Citations
1	Noninvasive detection of hydroxyl radical generation in lung by diesel exhaust particles. Free Radical Biology and Medicine, 2001, 30, 516-525.	2.9	129
2	Mechanisms related to reduction of radical in mouse lung using an L-band ESR spectrometer. Free Radical Biology and Medicine, 1999, 26, 951-960.	2.9	78
3	Kinetic study on ESR signal decay of nitroxyl radicals, potent redox probes for in vivo ESR spectroscopy, caused by reactive oxygen species. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 156-164.	2.4	74
4	In Vivo Oxygen Radical Generation in the Skin of the Protoporphyria Model Mouse with Visible Light Exposure: An L-Band ESR Study. Journal of Investigative Dermatology, 2004, 122, 1463-1470.	0.7	68
5	In vivo monitoring of hydroxyl radical generation caused by x-ray irradiation of rats using the spin trapping/epr technique. Free Radical Biology and Medicine, 2004, 36, 1134-1143.	2.9	60
6	Recent Progress in In Vivo ESR Spectroscopy. Journal of Radiation Research, 2004, 45, 373-384.	1.6	52
7	Assessment of ESR-CT imaging by comparison with autoradiography for the distribution of a blood-brain-barrier permeable spin probe, MC-PROXYL, to rodent brain. Magnetic Resonance Imaging, 2003, 21, 765-772.	1.8	51
8	Reaction ofpara-hydroxybenzoic acid esters with singlet oxygen in the presence of glutathione produces glutathione conjugates of hydroquinone, potent inducers of oxidative stress. Free Radical Research, 2006, 40, 233-240.	3.3	46
9	In vivo generation of free radicals in the skin of live mice under ultraviolet light, measured by L-band EPR spectroscopy. Free Radical Biology and Medicine, 2006, 40, 876-885.	2.9	46
10	Singlet Oxygenâ€“mediated Hydroxyl Radical Production in the Presence of Phenols: Whether DMPOâ€“Â·OH Formation Really Indicates Production of Â·OH?Â¶. Photochemistry and Photobiology, 2003, 77, 165.	2.5	45
11	Relaxation rates for spirocyclohexyl nitroxyl radicals are suitable for interspin distance measurements at temperatures up to about 125 K. Chemical Communications, 2009, , 454-456.	4.1	34
12	In vivo ESR measurements of free radical reactions in living mice. Toxicology Letters, 1995, 82-83, 561-565.	0.8	31
13	Heterogeneity of Regional Redox Status and Relation of the Redox Status to Oxygenation in a Tumor Model, Evaluated Using Electron Paramagnetic Resonance Imaging. Cancer Research, 2010, 70, 4133-4140.	0.9	30
14	Enzymatic reduction-resistant nitroxyl spin probes with spirocyclohexyl rings. Free Radical Research, 2007, 41, 1069-1077.	3.3	27
15	Hydroxyl Radical Generation Caused by the Reaction of Singlet Oxygen with a Spin Trap, DMPO, Increases Significantly in the Presence of Biological Reductants. Free Radical Research, 2004, 38, 385-392.	3.3	25
16	Singlet Oxygen-Dependent Hydroxyl Radical Formation during Uroporphyrin-Mediated Photosensitization in the Presence of NADPH. Antioxidants and Redox Signaling, 2000, 2, 355-362.	5.4	19
17	Comparison of stable nitroxide, 3-substituted 2,2,5,5-tetramethylpyrrolidine-N-oxyls, with respect to protection from radiation, prevention of DNA damage, and distribution in mice. Free Radical Biology and Medicine, 2006, 40, 1170-1178.	2.9	15
18	Pharmacokinetic study of acyl-protected hydroxylamine probe, 1-acetoxy-3-carbamoyl-2,2,5,5-tetramethylpyrrolidine, for in vivo measurements of reactive oxygen species. Free Radical Biology and Medicine, 2004, 36, 517-525.	2.9	11

#	Article	IF	Citations
19	Nitroxyl Radicals Remarkably Enhanced the Superoxide Anion Radical-Induced Chemiluminescence of Cypridina Luciferin Analogues. Analytical Chemistry, 2013, 85, 6833-6839.	6.5	11
20	An evaluation of novel biological activity in a crude extract from Hemerocallis fulva L. var. sempervirens M. Hotta. Natural Product Research, 2014, 28, 2211-2213.	1.8	11
21	Scandium Ion-accelerated Scavenging Reaction of Cumylperoxyl Radical by a Cyclic Nitroxyl Radical via Electron Transfer. Chemistry Letters, 2007, 36, 378-379.	1.3	9
22	Redox evaluation in sepsis model mice by the in vivo ESR technique using acyl-protected hydroxylamine. Free Radical Biology and Medicine, 2014, 68, 72-79.	2.9	9
23	Irradiation of Phenolic Compounds with Ultraviolet Light Causes Release of Hydrated Electrons. Applied Magnetic Resonance, 2018, 49, 881-892.	1.2	6
24	Pharmacokinetics of lipophilically different 3-substituted 2,2,5,5-tetramethylpyrrolidine- N -oxyl radicals frequently used as redox probes in in vivo magnetic resonance studies. Free Radical Biology and Medicine, 2016, 97, 263-273.	2.9	4
25	Radical reactions induced by ketoprofen in phospholipid membranes under ultraviolet light irradiation. Journal of Photochemistry and Photobiology B: Biology, 2021, 214, 112090.	3.8	4
26	Effect of Cholesterol on Distribution of Stable, Hydrophobic Perchlorotriphenylmethyl Triethylester Radical Incorporated in Lecithin Liposomal Membranes. Chemical and Pharmaceutical Bulletin, 2011, 59, 624-628.	1.3	3
27	Simple Method for Quantification of Gadolinium Magnetic Resonance Imaging Contrast Agents Using ESR Spectroscopy. Chemical and Pharmaceutical Bulletin, 2012, 60, 31-36.	1.3	3
28	Application of a Compact Magnetic Resonance Imaging System with 1.5â€‰T Permanent Magnets to Visualize Release from and the Disintegration of Capsule Formulations <i>in Vitro</i> and <i>in Vivo</i>. Biological and Pharmaceutical Bulletin, 2017, 40, 1268-1274.	1.4	3
29	In vivo ESR imaging of redox status in mice after X-ray irradiation, measured by acyl-protected hydroxylamine probe, ACP. Free Radical Biology and Medicine, 2020, 160, 596-603.	2.9	2
30	Differences in pharmacokinetic behaviors of two lipophilic 3â€substituted 2,2,5,5â€tetramethylpyrrolidineâ€• N â€oxyl radicals, in vivo probes to assess the redox status in the brain using magnetic resonance techniques. Magnetic Resonance in Medicine, 2021, 85, 560-569.	3.0	2