

# Keizo Takeshita

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Radical reactions induced by ketoprofen in phospholipid membranes under ultraviolet light irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 214, 112090.  | 3.8 | 4         |
| 2  | Differences in pharmacokinetic behaviors of two lipophilic 3-substituted 2,2,5,5-tetramethylpyrrolidine-N-oxyl radicals, in vivo probes to assess the redox status in the brain using magnetic resonance techniques. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 560-569. | 3.0 | 2         |
| 3  | In vivo ESR imaging of redox status in mice after X-ray irradiation, measured by acyl-protected hydroxylamine probe, ACP. <i>Free Radical Biology and Medicine</i> , 2020, 160, 596-603.  | 2.9 | 2         |
| 4  | Irradiation of Phenolic Compounds with Ultraviolet Light Causes Release of Hydrated Electrons. <i>Applied Magnetic Resonance</i> , 2018, 49, 881-892.   | 1.2 | 6         |
| 5  | Application of a Compact Magnetic Resonance Imaging System with 1.5-T Permanent Magnets to Visualize Release from and the Disintegration of Capsule Formulations <i>in Vivo</i> and <i>in Vitro</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1268-1274.      | 1.4 | 3         |
| 6  | 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. <i>Free Radical Biology and Medicine</i> , 2016, 97, 263-273.                                  | 2.9 | 4         |
| 7  | An evaluation of novel biological activity in a crude extract from <i>Hemerocallis fulva</i> L. var. <i>sempervirens</i> M. Hotta. <i>Natural Product Research</i> , 2014, 28, 2211-2213.   | 1.8 | 11        |
| 8  | Redox evaluation in sepsis model mice by the in vivo ESR technique using acyl-protected hydroxylamine. <i>Free Radical Biology and Medicine</i> , 2014, 68, 72-79.  | 2.9 | 9         |
| 9  | Nitroxyl Radicals Remarkably Enhanced the Superoxide Anion Radical-Induced Chemiluminescence of <i>Cypridina</i> Luciferin Analogues. <i>Analytical Chemistry</i> , 2013, 85, 6833-6839.  | 6.5 | 11        |
| 10 | Simple Method for Quantification of Gadolinium Magnetic Resonance Imaging Contrast Agents Using ESR Spectroscopy. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 31-36.  | 1.3 | 3         |
| 11 | Effect of Cholesterol on Distribution of Stable, Hydrophobic Perchlorotriphenylmethyl Triethylester Radical Incorporated in Lecithin Liposomal Membranes. <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 624-628.  | 1.3 | 3         |
| 12 | Heterogeneity of Regional Redox Status and Relation of the Redox Status to Oxygenation in a Tumor Model, Evaluated Using Electron Paramagnetic Resonance Imaging. <i>Cancer Research</i> , 2010, 70, 4133-4140.   | 0.9 | 30        |
| 13 | Relaxation rates for spirocyclohexyl nitroxyl radicals are suitable for interspin distance measurements at temperatures up to about 125 K. <i>Chemical Communications</i> , 2009, , 454-456.  | 4.1 | 34        |
| 14 | Scandium Ion-accelerated Scavenging Reaction of Cumylperoxyl Radical by a Cyclic Nitroxyl Radical via Electron Transfer. <i>Chemistry Letters</i> , 2007, 36, 378-379.  | 1.3 | 9         |
| 15 | Enzymatic reduction-resistant nitroxyl spin probes with spirocyclohexyl rings. <i>Free Radical Research</i> , 2007, 41, 1069-1077.  | 3.3 | 27        |
| 16 | Reaction of para-hydroxybenzoic acid esters with singlet oxygen in the presence of glutathione produces glutathione conjugates of hydroquinone, potent inducers of oxidative stress. <i>Free Radical Research</i> , 2006, 40, 233-240.  | 3.3 | 46        |
| 17 | In vivo generation of free radicals in the skin of live mice under ultraviolet light, measured by L-band EPR spectroscopy. <i>Free Radical Biology and Medicine</i> , 2006, 40, 876-885.  | 2.9 | 46        |
| 18 | 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. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1170-1178.                            | 2.9 | 15        |

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|----|--|-----|-----------|
| 19 | Recent Progress in In Vivo ESR Spectroscopy. <i>Journal of Radiation Research</i> , 2004, 45, 373-384.   | 1.6 | 52        |
| 20 | In Vivo Oxygen Radical Generation in the Skin of the Protoporphyrin Model Mouse with Visible Light Exposure: An L-Band ESR Study. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1463-1470.                                      | 0.7 | 68        |
| 21 | Pharmacokinetic study of acyl-protected hydroxylamine probe, 1-acetoxy-3-carbamoyl-2,2,5,5-tetramethylpyrrolidine, for in vivo measurements of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2004, 36, 517-525.      | 2.9 | 11        |
| 22 | In vivo monitoring of hydroxyl radical generation caused by x-ray irradiation of rats using the spin trapping/epr technique. <i>Free Radical Biology and Medicine</i> , 2004, 36, 1134-1143.   | 2.9 | 60        |
| 23 | Hydroxyl Radical Generation Caused by the Reaction of Singlet Oxygen with a Spin Trap, DMPO, Increases Significantly in the Presence of Biological Reductants. <i>Free Radical Research</i> , 2004, 38, 385-392.                           | 3.3 | 25        |
| 24 | 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. <i>Magnetic Resonance Imaging</i> , 2003, 21, 765-772.                     | 1.8 | 51        |
| 25 | Singlet Oxygen-mediated Hydroxyl Radical Production in the Presence of Phenols: Whether DMPO-mediated $\cdot\text{OH}$ Formation Really Indicates Production of $\cdot\text{OH}$ ? <i>Photochemistry and Photobiology</i> , 2003, 77, 165. | 2.5 | 45        |
| 26 | Kinetic study on ESR signal decay of nitroxyl radicals, potent redox probes for in vivo ESR spectroscopy, caused by reactive oxygen species. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 156-164.                | 2.4 | 74        |
| 27 | Noninvasive detection of hydroxyl radical generation in lung by diesel exhaust particles. <i>Free Radical Biology and Medicine</i> , 2001, 30, 516-525.  | 2.9 | 129       |
| 28 | Singlet Oxygen-Dependent Hydroxyl Radical Formation during Uroporphyrin-Mediated Photosensitization in the Presence of NADPH. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 355-362.  | 5.4 | 19        |
| 29 | Mechanisms related to reduction of radical in mouse lung using an L-band ESR spectrometer. <i>Free Radical Biology and Medicine</i> , 1999, 26, 951-960.   | 2.9 | 78        |
| 30 | In vivo ESR measurements of free radical reactions in living mice. <i>Toxicology Letters</i> , 1995, 82-83, 561-565.   | 0.8 | 31        |