

Fabienne Peyrot

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,016
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1958
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Potential role of tryptophan derivatives in stress responses characterized by the generation of reactive oxygen and nitrogen species. <i>Journal of Pineal Research</i> , 2008, 45, 235-246. | 7.4 | 259 |
| 2 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162. | 9.0 | 242 |
| 3 | Glutathione Fine-Tunes the Innate Immune Response toward Antiviral Pathways in a Macrophage Cell Line Independently of Its Antioxidant Properties. <i>Frontiers in Immunology</i> , 2017, 8, 1239. | 4.8 | 76 |
| 4 | Detection of superoxide production in stimulated and unstimulated living cells using new cyclic nitron spin traps. <i>Free Radical Biology and Medicine</i> , 2014, 71, 281-290. | 2.9 | 75 |
| 5 | In vivo evaluation of different alterations of redox status by studying pharmacokinetics of nitroxides using magnetic resonance techniques. <i>Redox Biology</i> , 2016, 8, 226-242. | 9.0 | 56 |
| 6 | Use of spin traps to detect superoxide production in living cells by electron paramagnetic resonance (EPR) spectroscopy. <i>Methods</i> , 2016, 109, 31-43. | 3.8 | 42 |
| 7 | Metabolic stability of superoxide adducts derived from newly developed cyclic nitron spin traps. <i>Free Radical Biology and Medicine</i> , 2014, 67, 150-158. | 2.9 | 30 |
| 8 | Rational Design, Synthesis, and Evaluation of Nanomolar Type II Dehydroquinase Inhibitors. <i>ChemMedChem</i> , 2007, 2, 1015-1029. | 3.2 | 28 |
| 9 | Metabolic stability of superoxide and hydroxyl radical adducts of a cyclic nitron toward rat liver microsomes and cytosol: A stopped-flow ESR spectroscopy study. <i>Free Radical Biology and Medicine</i> , 2010, 49, 437-446. | 2.9 | 24 |
| 10 | N-Nitroso Products from the Reaction of Indoles with Angeli's Salt. <i>Chemical Research in Toxicology</i> , 2006, 19, 58-67. | 3.3 | 20 |
| 11 | Reactivity of Peroxynitrite with Melatonin as a Function of pH and CO ₂ Content. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 172-181. | 2.4 | 19 |
| 12 | Labile iron potentiates ascorbate-dependent reduction and mobilization of ferritin iron. <i>Free Radical Biology and Medicine</i> , 2017, 108, 94-109. | 2.9 | 18 |
| 13 | Melatonin nitrosation promoted by radical; comparison with the peroxynitrite reaction. <i>Free Radical Research</i> , 2006, 40, 910-920. | 3.3 | 17 |
| 14 | Molecular Probes for Evaluation of Oxidative Stress by In Vivo EPR Spectroscopy and Imaging: State-of-the-Art and Limitations. <i>Magnetochemistry</i> , 2019, 5, 13. | 2.4 | 17 |
| 15 | X-ray, ESR, and quantum mechanics studies unravel a spin well in the cofactorless urate oxidase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 1964-1976. | 2.6 | 16 |
| 16 | Medium-throughput ESR detection of superoxide production in undetached adherent cells using cyclic nitron spin traps. <i>Free Radical Research</i> , 2015, 49, 1122-1128. | 3.3 | 15 |
| 17 | mTOR Inhibition via Displacement of Phosphatidic Acid Induces Enhanced Cytotoxicity Specifically in Cancer Cells. <i>Cancer Research</i> , 2018, 78, 5384-5397. | 0.9 | 14 |
| 18 | First Combined in Vivo X-Ray Tomography and High-Resolution Molecular Electron Paramagnetic Resonance (EPR) Imaging of the Mouse Knee Joint Taking into Account the Disappearance Kinetics of the EPR Probe. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00042. | 1.4 | 13 |

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|----|--|-----|-----------|
| 19 | Design and Structural Analysis of Aromatic Inhibitors of Type II Dehydroquinase from <i>Mycobacterium tuberculosis</i> . <i>ChemMedChem</i> , 2015, 10, 116-133. | 3.2 | 10 |
| 20 | Electron Paramagnetic Resonance Spin Trapping (EPR-ST) Technique in Photopolymerization Processes. <i>Catalysts</i> , 2022, 12, 772. | 3.5 | 8 |
| 21 | Nitrosation of N-Terminally Blocked Tryptophan and Tryptophan-Containing Peptides by Peroxynitrite. <i>ChemBioChem</i> , 2007, 8, 217-223. | 2.6 | 6 |
| 22 | First combined in vivo X-ray tomography and high-resolution molecular electron paramagnetic resonance (EPR) imaging of the mouse knee joint taking into account the disappearance kinetics of the EPR probe. <i>Molecular Imaging</i> , 2012, 11, 220-8. | 1.4 | 5 |
| 23 | Unexpected rapid aerobic transformation of 2,2,6,6-tetraethyl-4-oxo(piperidin-1-yloxy) radical by cytochrome P450 in the presence of NADPH: Evidence against a simple reduction of the nitroxide moiety to the hydroxylamine. <i>Free Radical Biology and Medicine</i> , 2020, 156, 144-156. | 2.9 | 4 |
| 24 | New synthetic route to 2,2,6,6-tetraethylpiperidin-4-one: A key-intermediate towards tetraethyl nitroxides. <i>Tetrahedron Letters</i> , 2019, 60, 151207. | 1.4 | 1 |
| 25 | Detection of Superoxide Radical in Adherent Living Cells by Electron Paramagnetic Resonance (EPR) Spectroscopy Using Cyclic Nitrones. <i>Methods in Molecular Biology</i> , 2021, 2202, 149-163. | 0.9 | 1 |