

Fumihiko Yoshino

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,459
citations

279487

23
h-index

329751

37
g-index

58
all docs

58
docs citations

58
times ranked

2019
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Crocetin reduces the oxidative stress induced reactive oxygen species in the stroke-prone spontaneously hypertensive rats (SHRSPs) brain. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 49, 182-187. | 0.6 | 102 |
| 2 | Electrostatic control of protein adsorption on UV-photofunctionalized titanium. <i>Acta Biomaterialia</i> , 2010, 6, 4175-4180. | 4.1 | 95 |
| 3 | Sialic acid is an essential moiety of mucin as a hydroxyl radical scavenger. <i>FEBS Letters</i> , 2007, 581, 2473-2477. | 1.3 | 83 |
| 4 | N-acetyl cysteine (NAC)-mediated detoxification and functionalization of poly(methyl methacrylate) bone cement. <i>Biomaterials</i> , 2009, 30, 3378-3389. | 5.7 | 76 |
| 5 | Characterization by Electron Spin Resonance Spectroscopy of Reactive Oxygen Species Generated by Titanium Dioxide and Hydrogen Peroxide. <i>Journal of Dental Research</i> , 2005, 84, 178-182. | 2.5 | 65 |
| 6 | Assessment of Oxidative Stress in the Spontaneously Hypertensive Rat Brain Using Electron Spin Resonance (ESR) Imaging and in Vivo L-Band ESR. <i>Hypertension Research</i> , 2004, 27, 485-492. | 1.5 | 59 |
| 7 | Direct Assessments of the Antioxidant Effects of Propofol Medium Chain Triglyceride/Long Chain Triglyceride on the Brain of Stroke-prone Spontaneously Hypertensive Rats Using Electron Spin Resonance Spectroscopy. <i>Anesthesiology</i> , 2008, 109, 426-435. | 1.3 | 58 |
| 8 | Antimicrobial effect of blue light using <i>Porphyromonas gingivalis</i> pigment. <i>Scientific Reports</i> , 2017, 7, 5225. | 1.6 | 58 |
| 9 | Molecular effects of fermented papaya preparation on oxidative damage, MAP Kinase activation and modulation of the benzo[a]pyrene mediated genotoxicity. <i>BioFactors</i> , 2006, 26, 147-159. | 2.6 | 55 |
| 10 | Alteration of the Redox State with Reactive Oxygen Species for 5-Fluorouracil-Induced Oral Mucositis in Hamsters. <i>PLoS ONE</i> , 2013, 8, e82834. | 1.1 | 50 |
| 11 | Bactericidal effect of hydroxyl radicals generated from a low concentration hydrogen peroxide with ultrasound in endodontic treatment. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 54, 161-165. | 0.6 | 49 |
| 12 | Gingival vascular functions are altered in type 2 diabetes mellitus model and/or periodontitis model. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2012, 51, 108-113. | 0.6 | 46 |
| 13 | Reactive oxygen species production in mitochondria of human gingival fibroblast induced by blue light irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 129, 1-5. | 1.7 | 45 |
| 14 | Antimicrobial photodynamic therapy suppresses dental plaque formation in healthy adults: a randomized controlled clinical trial. <i>BMC Oral Health</i> , 2014, 14, 152. | 0.8 | 39 |
| 15 | Effects of blue-light irradiation during dental treatment. <i>Japanese Dental Science Review</i> , 2018, 54, 160-168. | 2.0 | 39 |
| 16 | Evidence of reactive oxygen species generation in synovial fluid from patients with temporomandibular disease by electron spin resonance spectroscopy. <i>Redox Report</i> , 2004, 9, 331-336. | 1.4 | 37 |
| 17 | Blue light irradiation-induced oxidative stress in vivo via ROS generation in rat gingival tissue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 151, 48-53. | 1.7 | 37 |
| 18 | Vascular effects of singlet oxygen (1O_2) generated by photo-excitation on adrenergic neurotransmission in isolated rabbit mesenteric vein. <i>Redox Report</i> , 2002, 7, 266-270. | 1.4 | 33 |

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|----|--|-----|-----------|
| 19 | ESR Detection of ROS Generated by TiO ₂ Coated with Fluoridated Apatite. <i>Journal of Dental Research</i> , 2010, 89, 848-853. | 2.5 | 28 |
| 20 | Biting reduces acute stress-induced oxidative stress in the rat hypothalamus. <i>Redox Report</i> , 2005, 10, 19-24. | 1.4 | 26 |
| 21 | Dental resin curing blue light induced oxidative stress with reactive oxygen species production. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 114, 73-78. | 1.7 | 26 |
| 22 | Reactive oxygen species (ROS) reduce the expression of BRAK/CXCL14 in human head and neck squamous cell carcinoma cells. <i>Free Radical Research</i> , 2010, 44, 913-924. | 1.5 | 25 |
| 23 | ESR investigation of ROS generated by H ₂ O ₂ bleaching with TiO ₂ coated HAp. <i>Dental Materials Journal</i> , 2012, 31, 458-464. | 0.8 | 24 |
| 24 | Measurement of Oxidative Stress in the Rodent Brain Using Computerized Electron Spin Resonance Tomography. <i>Magnetic Resonance in Medical Sciences</i> , 2003, 2, 79-84. | 1.1 | 22 |
| 25 | Reactive oxygen species generation in gingival fibroblasts of Down syndrome patients detected by electron spin resonance spectroscopy. <i>Redox Report</i> , 2006, 11, 71-77. | 1.4 | 21 |
| 26 | Direct assessment by electron spin resonance spectroscopy of the antioxidant effects of French maritime pine bark extract in the maxillofacial region of hairless mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 49, 79-86. | 0.6 | 20 |
| 27 | Inhibition of superoxide generation from fMLP-stimulated leukocytes by high concentrations of nitric oxide or peroxynitrite: characterization by electron spin resonance spectroscopy. <i>Redox Report</i> , 2002, 7, 271-275. | 1.4 | 19 |
| 28 | Nitric oxide levels in rat hypothalamus are increased by restraint stress and decreased by biting. <i>Redox Report</i> , 2008, 13, 31-39. | 1.4 | 18 |
| 29 | Antimicrobial effect of titanium dioxide after ultraviolet irradiation against periodontal pathogen. <i>Dental Materials Journal</i> , 2016, 35, 511-516. | 0.8 | 18 |
| 30 | Soft-food diet induces oxidative stress in the rat brain. <i>Neuroscience Letters</i> , 2012, 508, 42-46. | 1.0 | 14 |
| 31 | Assessments of salivary antioxidant activity using electron spin resonance spectroscopy. <i>Archives of Oral Biology</i> , 2012, 57, 654-662. | 0.8 | 14 |
| 32 | <i>Porphyromonas gingivalis</i> infection modifies oral microcirculation and aortic vascular function in the stroke-prone spontaneously hypertensive rat (SHRSP). <i>Microbial Pathogenesis</i> , 2016, 92, 36-42. | 1.3 | 14 |
| 33 | Passive ultrasonic irrigation in the presence of a low concentration of hydrogen peroxide enhances hydroxyl radical generation and bactericidal effect against <i>Enterococcus faecalis</i> . <i>Journal of Oral Science</i> , 2014, 56, 35-39. | 0.7 | 13 |
| 34 | Relationship among salivary antioxidant activity, cytokines, and periodontitis: the Nagasaki Island study. <i>Journal of Clinical Periodontology</i> , 2015, 42, 711-718. | 2.3 | 13 |
| 35 | Fasudil, a Rho kinase inhibitor, suppresses tumor growth by inducing CXCL14/BRAK in head and neck squamous cell carcinoma. <i>Biomedical Research</i> , 2014, 35, 381-388. | 0.3 | 12 |
| 36 | Direct Assessments of the Antioxidant Effects of the Novel Collagen Peptide on Reactive Oxygen Species Using Electron Spin Resonance Spectroscopy. <i>Journal of Pharmacological Sciences</i> , 2011, 116, 97-106. | 1.1 | 11 |

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|----|--|-----|-----------|
| 37 | Reactive Oxygen Species Scavenging Activity of Jixueteng Evaluated by Electron Spin Resonance (ESR) and Photon Emission. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901. | 0.2 | 11 |
| 38 | Bactericidal effect of hydroxyl radicals generated by the sonolysis and photolysis of hydrogen peroxide for endodontic applications. <i>Microbial Pathogenesis</i> , 2017, 103, 65-70. | 1.3 | 11 |
| 39 | Singlet oxygen generated by a new nonthermal atmospheric pressure air plasma device exerts a bactericidal effect on oral pathogens. <i>Journal of Oral Science</i> , 2019, 61, 521-525. | 0.7 | 11 |
| 40 | Real-time monitoring of nitric oxide in ischemic myocardium using an NO-selective electrode calibrated by electron spin resonance. <i>Life Sciences</i> , 2003, 74, 75-85. | 2.0 | 10 |
| 41 | Assessment of the effect of fermented papaya preparation on oxidative damage in spontaneously hypertensive rat brain using electron spin resonance (ESR) imaging and L-band ESR spectroscopy. <i>Journal of Functional Foods</i> , 2009, 1, 375-380. | 1.6 | 8 |
| 42 | Antimicrobial photodynamic therapy using a plaque disclosing solution on <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 252-257. | 1.3 | 8 |
| 43 | Effects of Mandibular Retrusive Deviation on Prefrontal Cortex Activation: A Functional Near-Infrared Spectroscopy Study. <i>BioMed Research International</i> , 2015, 2015, 1-6. | 0.9 | 7 |
| 44 | ±-Glucosyl hesperidin suppressed the exacerbation of 5-fluorouracil-induced oral mucositis in the hamster cheek pouch. <i>Journal of Functional Foods</i> , 2016, 21, 223-231. | 1.6 | 6 |
| 45 | Effect of physical stimulation (gingival massage) on age-related changes in gingival microcirculation. <i>PLoS ONE</i> , 2020, 15, e0233288. | 1.1 | 6 |
| 46 | Protective effects of (6R)-5,6,7,8-tetrahydro-L-biopterin on local ischemia/reperfusion-induced suppression of reactive hyperemia in rat gingiva. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 69-75. | 0.6 | 4 |
| 47 | Impact on <i>Porphyromonas gingivalis</i> of antimicrobial photodynamic therapy with blue light and Rose Bengal in plaque-disclosing solution. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 36, 102576. | 1.3 | 4 |
| 48 | Direct assessment of the antioxidant properties of midazolam by electron spin resonance spectroscopy. <i>Journal of Anesthesia</i> , 2011, 25, 765-769. | 0.7 | 3 |
| 49 | Medical-grade collagen peptide in injectables provides antioxidant protection. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 219-226. | 1.1 | 2 |
| 50 | Ameliorating Effects of <i>Jixueteng</i> in a Mouse Model of <i>Porphyromonas gingivalis</i> -Induced Periodontitis: Analysis Based on Gingival Microcirculatory System. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801301. | 0.2 | 1 |
| 51 | Assessment of Oxidative Stress in the Brain of Spontaneously Hypertensive Rat and Stroke-Prone Spontaneously Hypertensive Rat Using by Electron Spin Resonance Spectroscopy. , 2011, , 91-103. | | 1 |
| 52 | Free radical scavenging activity of phosphodiesterase III inhibitor olprinone. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2006, 13, 57-59. | 0.0 | 1 |
| 53 | A Study of the Effects of Irradiation on the Polymerization of Dual-cured Self-etching Bonding System Using Electron Spin Resonance (ESR) Spectroscopy. <i>Dental Materials Journal</i> , 2007, 26, 761-765. | 0.8 | 1 |
| 54 | Hydroxyl radical-neurotransmission interaction in vascular smooth muscle. <i>The Japanese Journal of Pharmacology</i> , 1999, 79, 219. | 1.2 | 0 |

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|----|---|-----|-----------|
| 55 | Assessment of Anti-Aging Effects of Fish Products Peptide in Middle-Aged Subjects. <i>Anti-aging Medicine</i> , 2011, 8, 48-52. | 0.7 | 0 |