

Martyna Elas

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,314
citations

394421

19
h-index

361022

35
g-index

57
all docs

57
docs citations

57
times ranked

1665
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Quantitative tumor oxymetric images from 4D electron paramagnetic resonance imaging (EPRI): Methodology and comparison with blood oxygen level-dependent (BOLD) MRI. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 682-691. | 3.0 | 187 |
| 2 | Electron Paramagnetic Resonance Oxygen Images Correlate Spatially and Quantitatively with Oxylite Oxygen Measurements. <i>Clinical Cancer Research</i> , 2006, 12, 4209-4217. | 7.0 | 117 |
| 3 | Tetrahydrobiopterin Scavenges Superoxide in Dopaminergic Neurons. <i>Journal of Biological Chemistry</i> , 2001, 276, 34402-34407. | 3.4 | 86 |
| 4 | Electron Paramagnetic Resonance Oxygen Image Hypoxic Fraction Plus Radiation Dose Strongly Correlates With Tumor Cure in FSa Fibrosarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 542-549. | 0.8 | 80 |
| 5 | The role of strong hypoxia in tumors after treatment in the outcome of bacteriochlorin-based photodynamic therapy. <i>Free Radical Biology and Medicine</i> , 2014, 73, 239-251. | 2.9 | 69 |
| 6 | EPR Oxygen Images Predict Tumor Control by a 50% Tumor Control Radiation Dose. <i>Cancer Research</i> , 2013, 73, 5328-5335. | 0.9 | 55 |
| 7 | Verteporfin, photofrin II, and merocyanine 540 as PDT photosensitizers against melanoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 549-555. | 2.1 | 54 |
| 8 | NO-dependent phototoxicity of Roussin's black salt against cancer cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2004, 10, 42-50. | 2.7 | 50 |
| 9 | Detection of mitochondrial dysfunction by EPR technique in mouse model of dilated cardiomyopathy. <i>Free Radical Biology and Medicine</i> , 2008, 45, 321-328. | 2.9 | 40 |
| 10 | Effects of Photodynamic Therapy with Redaporfin on Tumor Oxygenation and Blood Flow in a Lung Cancer Mouse Model. <i>Scientific Reports</i> , 2019, 9, 12655. | 3.3 | 39 |
| 11 | Lifespan of etoposide-treated human neutrophils is affected by antioxidant ability of quercetin. <i>Toxicology in Vitro</i> , 2007, 21, 1020-1030. | 2.4 | 33 |
| 12 | Redox-Active Quinone Chelators: Properties, Mechanisms of Action, Cell Delivery, and Cell Toxicity. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1394-1403. | 5.4 | 31 |
| 13 | Transplantable Melanomas in Hamsters and Gerbils as Models for Human Melanoma. Sensitization in Melanoma Radiotherapy—From Animal Models to Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1048. | 4.1 | 30 |
| 14 | Effect of methanol intoxication on free-radical induced protein oxidation. , 2000, 20, 239-243. | | 28 |
| 15 | Oxidative Stress Imaging in Live Animals with Techniques Based on Electron Paramagnetic Resonance. <i>Radiation Research</i> , 2012, 177, 514-523. | 1.5 | 28 |
| 16 | Where It Matters at Really Matters: In Situ In Vivo Vascular Endothelial Growth Factor Spatially Correlates with Electron Paramagnetic Resonance pO ₂ Images in Tumors of Living Mice. <i>Molecular Imaging and Biology</i> , 2011, 13, 1107-1113. | 2.6 | 24 |
| 17 | Zinc-pheophorbide a—Highly efficient low-cost photosensitizer against human adenocarcinoma in cellular and animal models. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 266-277. | 2.6 | 22 |
| 18 | Fenofibrate Augments the Sensitivity of Drug-Resistant Prostate Cancer Cells to Docetaxel. <i>Cancers</i> , 2019, 11, 77. | 3.7 | 22 |

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|----|---|-----|-----------|
| 19 | Nitroxide conjugate of a thermally responsive elastin-like polypeptide for noninvasive thermometry. <i>Medical Physics</i> , 2004, 31, 2755-2762. | 3.0 | 20 |
| 20 | Proteomic Analysis of Proton Beam Irradiated Human Melanoma Cells. <i>PLoS ONE</i> , 2014, 9, e84621. | 2.5 | 19 |
| 21 | Vitamin D receptors (VDR), hydroxylases CYP27B1 and CYP24A1 and retinoid-related orphan receptors (ROR) level in human uveal tract and ocular melanoma with different melanization levels. <i>Scientific Reports</i> , 2019, 9, 9142. | 3.3 | 19 |
| 22 | Intracisternal Sodium Nitroprusside Fails to Prevent Vasospasm in Nonhuman Primates. <i>Neurosurgery</i> , 2002, 51, 761-770. | 1.1 | 17 |
| 23 | 5-Carboxy-5-methyl-1-pyrroline N-oxide: a spin trap for the hydroxyl radical. <i>Perkin Transactions II RSC</i> , 2001, , 875-880. | 1.1 | 14 |
| 24 | Oral administration is as effective as intraperitoneal administration of amifostine in decreasing nitroxide EPR signal decay in vivo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1637, 151-155. | 3.8 | 14 |
| 25 | Reduction of Image Artifacts in Mice by Bladder Flushing with a Novel Double-Lumen Urethral Catheter. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00020. | 1.4 | 14 |
| 26 | In vivo spin trapping of nitric oxide from animal tumors. <i>Nitric Oxide - Biology and Chemistry</i> , 2007, 16, 202-208. | 2.7 | 14 |
| 27 | Increased elasticity of melanoma cells after low-LET proton beam due to actin cytoskeleton rearrangements. <i>Scientific Reports</i> , 2019, 9, 7008. | 3.3 | 14 |
| 28 | Experimental ruthenium plaque therapy of amelanotic and melanotic melanomas in the hamster eye. <i>Melanoma Research</i> , 2000, 10, 26-35. | 1.2 | 13 |
| 29 | Calcitriol and Calcidiol Can Sensitize Melanoma Cells to Low-LET Proton Beam Irradiation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2236. | 4.1 | 13 |
| 30 | Proton beam irradiation inhibits the migration of melanoma cells. <i>PLoS ONE</i> , 2017, 12, e0186002. | 2.5 | 13 |
| 31 | Angiomorphology of the pigmented bomirski melanoma growing in hamster eye. <i>Annals of Anatomy</i> , 2001, 183, 559-565. | 1.9 | 12 |
| 32 | CD44+ cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. <i>Stem Cells</i> , 2020, 38, 1544-1556. | 3.2 | 11 |
| 33 | Correlation Between Hypoxia Proteins and EPR-Detected Hypoxia in Tumors. <i>Advances in Experimental Medicine and Biology</i> , 2017, 977, 319-325. | 1.6 | 9 |
| 34 | Reduction of image artifacts in mice by bladder flushing with a novel double-lumen urethral catheter. <i>Molecular Imaging</i> , 2006, 5, 175-9. | 1.4 | 9 |
| 35 | Intracisternal sodium nitroprusside fails to prevent vasospasm in nonhuman primates. <i>Neurosurgery</i> , 2002, 51, 761-8; discussion 768-70. | 1.1 | 9 |
| 36 | Merging Preclinical EPR Tomography with other Imaging Techniques. <i>Cell Biochemistry and Biophysics</i> , 2019, 77, 187-196. | 1.8 | 7 |

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|----|--|-----|-----------|
| 37 | Metastasis inhibition after proton beam, $\hat{1}^2$ - and $\hat{1}^3$ -irradiation of melanoma growing in the hamster eye.. Acta Biochimica Polonica, 2013, 60, . | 0.5 | 7 |
| 38 | Data processing of 3D and 4D in-vivo electron paramagnetic resonance imaging co-registered with ultrasound. 3D printing as a registration tool. Computers and Electrical Engineering, 2019, 74, 130-137. | 4.8 | 6 |
| 39 | X-band and S-band EPR detection of nitric oxide in murine endotoxaemia using spin trapping by ferro-di(N-(dithiocarboxy)sarcosine).. Acta Biochimica Polonica, 2003, 50, 799-806. | 0.5 | 6 |
| 40 | Amelanotic Uveal Melanomas Evaluated by Indirect Ophthalmoscopy Reveal Better Long-Term Prognosis Than Pigmented Primary Tumours”A Single Centre Experience. Cancers, 2022, 14, 2753. | 3.7 | 6 |
| 41 | Nitric oxide complexes in the interaction between primary and secondary tumor of L5178Y lymphoma. Nitric Oxide - Biology and Chemistry, 2004, 11, 279-289. | 2.7 | 5 |
| 42 | Acute hepatologic and nephrologic effects of calcitriol in Syrian golden hamster (Mesocricetus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 | 0.5 | 5 |
| 43 | Visualization and Quantitative 3D Analysis of Intraocular Melanoma and Its Vascularization in a Hamster Eye. International Journal of Molecular Sciences, 2018, 19, 332. | 4.1 | 5 |
| 44 | Radiation Oxygen Biology with Pulse Electron Paramagnetic Resonance Imaging in Animal Tumors. Advances in Experimental Medicine and Biology, 2013, 789, 399-404. | 1.6 | 5 |
| 45 | Silver Nanoparticles Inhibit Metastasis of 4T1 Tumor in Mice after Intragastric but Not Intravenous Administration. Materials, 2022, 15, 3837. | 2.9 | 5 |
| 46 | CD44 cells determine fenofibrate-induced microevolution of drug-resistance in prostate cancer cell populations. Stem Cells, 2020, , . | 3.2 | 4 |
| 47 | Transient Vasodilation in Mouse 4T1 Tumors after Intragastric and Intravenous Administration of Gold Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 2361. | 4.1 | 3 |
| 48 | Metastasis inhibition after proton beam, $\hat{1}^2$ - and $\hat{1}^3$ -irradiation of melanoma growing in the hamster eye. Acta Biochimica Polonica, 2013, 60, 307-11. | 0.5 | 3 |
| 49 | Protective Effects of N-Acetylcysteine and Vitamin E Derivative U83836E on Proteins Modifications Induced by Methanol Intoxication. Toxicology Mechanisms and Methods, 2005, 15, 263-270. | 2.7 | 2 |
| 50 | Imaging of hypoxia in small animals with $\langle \sup \rangle 18 \langle /sup \rangle F$ fluoromisonidasole. Nukleonika, 2016, 61, 219-223. | 0.8 | 2 |
| 51 | The effects of peritumoral therapeutic vaccination with IL-2-secreting cells on growth of MC38 colon tumours in mice, local NO production and sentinel lymph node cells activation. Advances in Experimental Medicine and Biology, 2001, 495, 385-388. | 1.6 | 2 |
| 52 | EPR Signals Detectable in Human Tumors. , 1998, , 353-370. | | 0 |
| 53 | Electron Paramagnetic Resonance Imaging-Solo and Orchestra. , 2019, , 1-42. | | 0 |
| 54 | Nuclear Pseudoinclusions and Intranuclear Grooves Have an Important Impact on the Long-term Survival of Patients With Uveal Melanoma. Anticancer Research, 2021, 41, 517-526. | 1.1 | 0 |