

Juan Carlos Stockert

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,696
citations

471477

17
h-index

345203

36
g-index

39
all docs

39
docs citations

39
times ranked

2950
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | MTT assay for cell viability: Intracellular localization of the formazan product is in lipid droplets. <i>Acta Histochemica</i> , 2012, 114, 785-796. | 1.8 | 463 |
| 2 | Tetrazolium salts and formazan products in Cell Biology: Viability assessment, fluorescence imaging, and labeling perspectives. <i>Acta Histochemica</i> , 2018, 120, 159-167. | 1.8 | 391 |
| 3 | Fluorescent cationic probes for nuclei of living cells: why are they selective? A quantitative structure-activity relations analysis. <i>Histochemistry and Cell Biology</i> , 2006, 126, 165-175. | 1.7 | 113 |
| 4 | Photoactivation of ROS Production In Situ Transiently Activates Cell Proliferation in Mouse Skin and in the Hair Follicle Stem Cell Niche Promoting Hair Growth and Wound Healing. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2611-2622. | 0.7 | 66 |
| 5 | Acridine-orange differential fluorescence of fast- and slow-reassociating chromosomal DNA after in situ DNA denaturation and reassociation. <i>Chromosoma</i> , 1972, 37, 117-30. | 2.2 | 61 |
| 6 | Protoporphyrin IX-dependent photodynamic production of endogenous ROS stimulates cell proliferation. <i>European Journal of Cell Biology</i> , 2012, 91, 216-223. | 3.6 | 52 |
| 7 | Do folate-receptor targeted liposomal photosensitizers enhance photodynamic therapy selectivity?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1063-1071. | 2.6 | 49 |
| 8 | Uptake and localisation of small-molecule fluorescent probes in living cells: a critical appraisal of QSAR models and a case study concerning probes for DNA and RNA. <i>Histochemistry and Cell Biology</i> , 2013, 139, 623-637. | 1.7 | 45 |
| 9 | Photodamage Induced by Zinc(II)-phthalocyanine to Microtubules, Actin, β -Actinin and Keratin of HeLa Cells. <i>Photochemistry and Photobiology</i> , 2001, 73, 283-289. | 2.5 | 40 |
| 10 | Photodynamic Synergistic Effect of Pheophorbide a and Doxorubicin in Combined Treatment against Tumoral Cells. <i>Cancers</i> , 2017, 9, 18. | 3.7 | 39 |
| 11 | Differential photodynamic response of cultured cells to methylene blue and toluidine blue: role of dark redox processes. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 371-376. | 2.9 | 38 |
| 12 | Fixation and permanent mounting of fluorescent probes after vital labelling of cultured cells. <i>Acta Histochemica</i> , 2001, 103, 117-126. | 1.8 | 31 |
| 13 | Fluorescence Microscopy in Life Sciences. , 2017, , . | | 31 |
| 14 | Metachromatic staining of human sperm nuclei after reduction of disulphide bonds. <i>Acta Histochemica</i> , 1993, 94, 141-149. | 1.8 | 28 |
| 15 | Poly(D,L-lactide-co-glycolide) nanoparticles as delivery agents for photodynamic therapy: enhancing singlet oxygen release and phototoxicity by surface PEG coating. <i>Nanotechnology</i> , 2015, 26, 365104. | 2.6 | 24 |
| 16 | Efficient induction of apoptosis in HeLa cells by a novel cationic porphycene photosensitizer. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 401-414. | 5.5 | 23 |
| 17 | Photosensitization Ability of a Water Soluble Zinc(II)tetramethyltetrapyridinoporphyrazinium Salt in Aqueous Solution and Biomimetic Reverse Micelles Medium. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15701-15707. | 2.6 | 19 |
| 18 | DNA-binding fluorochromes: correlation between C-banding of mouse metaphase chromosomes and hydrogen bonding to adenine-thymine base pairs. <i>Acta Histochemica</i> , 2005, 106, 413-420. | 1.8 | 17 |

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|----|---|-----|-----------|
| 19 | A mechanism for the fluorogenic reaction of amino groups with fluorescamine and MDPF. <i>Acta Histochemica</i> , 2008, 110, 333-340. | 1.8 | 17 |
| 20 | Photothermal effect by 808-nm laser irradiation of melanin: a proof-of-concept study of photothermal therapy using B16-F10 melanotic melanoma growing in BALB/c mice. <i>Biomedical Optics Express</i> , 2019, 10, 2932. | 2.9 | 15 |
| 21 | Monomerizing effect of caffeine, o-phenanthroline, and tannin on cationic dyes: A model system to analyze spectral characteristics of the intercalative binding to nucleic acids. <i>Acta Histochemica</i> , 1989, 87, 33-42. | 1.8 | 14 |
| 22 | A New Fluorescence Reaction in DNA Cytochemistry: Microscopic and Spectroscopic Studies on the Aromatic Diamidino Compound M&B 938. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 97-105. | 2.5 | 13 |
| 23 | Preclinical photodynamic therapy research in Spain 3: Localization of photosensitizers and mechanisms of cell death in vitro. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 544-551. | 0.8 | 13 |
| 24 | Photodynamic toxicity and its prevention by antioxidative agents in <i>Bufo arenarum</i> embryos. <i>Toxicology</i> , 2003, 192, 211-218. | 4.2 | 12 |
| 25 | Fluorescent cytochemistry of acid phosphatase and demonstration of fluid-phase endocytosis using an azo dye method. <i>Histochemistry and Cell Biology</i> , 1997, 108, 481-487. | 1.7 | 10 |
| 26 | Identifying Different Types of Chromatin Using Giemsa Staining. <i>Methods in Molecular Biology</i> , 2014, 1094, 25-38. | 0.9 | 9 |
| 27 | Biomedical overview of melanin. 1. Updating melanin biology and chemistry, physico-chemical properties, melanoma tumors, and photothermal therapy. <i>Biocell</i> , 2021, 45, 849-862. | 0.7 | 9 |
| 28 | Monastral fast blue Cytochemical properties of a reaction product from Alcian blue stained chromatin. <i>Acta Histochemica</i> , 1982, 70, 130-134. | 1.8 | 7 |
| 29 | Reactive dyes for living cells: Applications, artefacts, and some comparisons with textile dyeing. <i>Coloration Technology</i> , 0, , . | 1.5 | 7 |
| 30 | In vitro human cell responses to a low-dose photodynamic treatment vs. mild H ₂ O ₂ exposure. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 143, 12-19. | 3.8 | 6 |
| 31 | Establishing the subcellular localization of photodynamically-induced ROS using 3,3'-diaminobenzidine: A methodological proposal, with a proof-of-concept demonstration. <i>Methods</i> , 2016, 109, 175-179. | 3.8 | 6 |
| 32 | Fluorescent redox-dependent labeling of lipid droplets in cultured cells by reduced phenazine methosulfate. <i>Heliyon</i> , 2020, 6, e04182. | 3.2 | 6 |
| 33 | Induction of metachromasia in cationic dyes and fluorochromes using a clay mineral: A potentially valuable model for histochemical studies. <i>Acta Histochemica</i> , 2011, 113, 668-670. | 1.8 | 5 |
| 34 | Lipid Peroxidation Assay Using BODIPY-Phenylbutadiene Probes: A Methodological Overview. <i>Methods in Molecular Biology</i> , 2021, 2202, 199-214. | 0.9 | 5 |
| 35 | Regression of the murine LM3 tumor by repeated photodynamic therapy with meso-tetrakis-(4-N,N,N-trimethylanilinium)porphine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 560-566. | 0.8 | 4 |
| 36 | 3-Hydroxykynurenic acid: Physicochemical properties and fluorescence labeling. <i>Dyes and Pigments</i> , 2019, 162, 552-561. | 3.7 | 4 |

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|----|--|-----|-----------|
| 37 | Biomedical overview of melanin. 2. Updating molecular modeling, synthesis mechanism, and supramolecular properties regarding melanoma therapy. <i>Biocell</i> , 2022, 46, 1391-1415. | 0.7 | 2 |
| 38 | Melanin-Binding Colorants: Updating Molecular Modeling, Staining and Labeling Mechanisms, and Biomedical Perspectives. <i>Colorants</i> , 2022, 1, 91-120. | 1.5 | 2 |
| 39 | Predictive Binding Geometry of Ligands to DNA Minor Groove: Isohelicity and Hydrogen-Bonding Pattern. <i>Methods in Molecular Biology</i> , 2014, 1094, 1-12. | 0.9 | 0 |