

Grzegorz M Szewczyk

List of Publications by Year in descending order

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35
papers

1,298
citations

394421

19
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

2115
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromelanin can protect against iron-mediated oxidative damage in system modeling iron overload of brain aging and Parkinson's disease. <i>Journal of Neurochemistry</i> , 2008, 106, 1866-1875.	3.9	174
2	Photocatalytic Generation of Oxygen Radicals by the Water-Soluble Bacteriochlorophyll Derivative WST11, Noncovalently Bound to Serum Albumin. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8027-8037.	2.5	119
3	Potassium Iodide Potentiates Broad-Spectrum Antimicrobial Photodynamic Inactivation Using Photofrin. <i>ACS Infectious Diseases</i> , 2017, 3, 320-328.	3.8	105
4	Potassium Iodide Potentiates Antimicrobial Photodynamic Inactivation Mediated by Rose Bengal in <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	100
5	Antimicrobial photodynamic therapy with fulleropyrrolidine: photoinactivation mechanism of <i>Staphylococcus aureus</i> , in vitro and in vivo studies. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4031-4043.	3.6	88
6	Imidazoacridinone-dependent lysosomal photodestruction: a pharmacological Trojan horse approach to eradicate multidrug-resistant cancers. <i>Cell Death and Disease</i> , 2012, 3, e293-e293.	6.3	77
7	Effects of Photodegradation on the Physical and Antioxidant Properties of Melanosomes Isolated from Retinal Pigment Epithelium. <i>Photochemistry and Photobiology</i> , 2006, 82, 1024.	2.5	76
8	New insight into singlet oxygen generation at surface modified nanocrystalline TiO ₂ – the effect of near-infrared irradiation. <i>Dalton Transactions</i> , 2013, 42, 9468.	3.3	60
9	Aerobic photoreactivity of synthetic eumelanins and pheomelanins: generation of singlet oxygen and superoxide anion. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 669-678.	3.3	49
10	Zinc-induced Structural Effects Enhance Oxygen Consumption and Superoxide Generation in Synthetic Pheomelanins on UVA/Visible Light Irradiation. <i>Photochemistry and Photobiology</i> , 2010, 86, 757-764.	2.5	41
11	Photoactivation of lysosomally sequestered sunitinib after angiostatic treatment causes vascular occlusion and enhances tumor growth inhibition. <i>Cell Death and Disease</i> , 2015, 6, e1641-e1641.	6.3	40
12	Photodynamic Inactivation of <i>Candida albicans</i> with Imidazoacridinones: Influence of Irradiance, Photosensitizer Uptake and Reactive Oxygen Species Generation. <i>PLoS ONE</i> , 2015, 10, e0129301.	2.5	38
13	Roles of reactive oxygen species in UVA-induced oxidation of 5,6-dihydroxyindole-2-carboxylic acid-melanin as studied by differential spectrophotometric method. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 340-351.	3.3	38
14	Photobleaching of Melanosomes from Retinal Pigment Epithelium: II. Effects on the Response of Living Cells to Photic Stress. <i>Photochemistry and Photobiology</i> , 2007, 83, 925-930.	2.5	25
15	Synthesis, structural, spectroscopic, computational and cytotoxic studies of BODIPY dyes. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 548-555.	7.8	24
16	Synthesis, spectroscopic properties and interaction with a liposomal membrane of a novel iodinated magnesium phthalocyanine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 286, 55-63.	3.9	22
17	Lipofuscin-mediated photic stress inhibits phagocytic activity of ARPE-19 cells; effect of donors' age and antioxidants. <i>Free Radical Research</i> , 2017, 51, 799-811.	3.3	21
18	Changes in production of reactive oxygen species in illuminated thylakoids isolated during development and senescence of barley. <i>Journal of Plant Physiology</i> , 2015, 184, 49-56.	3.5	20

#	ARTICLE	IF	CITATIONS
19	Developing [60]Fullerene Nanomaterials for Better Photodynamic Treatment of Non-Melanoma Skin Cancers. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5930-5940.	5.2	20
20	Sublethal Photodynamic Damage to ARPE-19 Cells Transiently Inhibits Their Phagocytic Activity. <i>Photochemistry and Photobiology</i> , 2010, 86, 772-780.	2.5	17
21	The effect of aging and antioxidants on photoreactivity and phototoxicity of human melanosomes: An in vitro study. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 670-682.	3.3	17
22	Inhibition of phagocytic activity of ARPE-19 cells by free radical mediated oxidative stress. <i>Free Radical Research</i> , 2016, 50, 887-897.	3.3	16
23	Photobleaching of pheomelanin increases its phototoxic potential: Physicochemical studies of synthetic pheomelanin subjected to aerobic photolysis. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 359-372.	3.3	16
24	Photoaging of retinal pigment epithelial melanosomes: The effect of photobleaching on morphology and reactivity of the pigment granules. <i>Free Radical Biology and Medicine</i> , 2016, 97, 320-329.	2.9	15
25	A [60]fullerene nanoconjugate with gemcitabine: synthesis, biophysical properties and biological evaluation for treating pancreatic cancer. <i>Cancer Nanotechnology</i> , 2020, 11, .	3.7	14
26	Amphiphilic tetracationic porphyrins are exceptionally active antimicrobial photosensitizers: In vitro and in vivo studies with the free base and Pd-chelate. <i>Journal of Biophotonics</i> , 2019, 12, e201800318.	2.3	13
27	Sodium nitrite potentiates antimicrobial photodynamic inactivation: possible involvement of peroxyxynitrate. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 505-515.	2.9	10
28	The Effect of Antioxidants on Photoreactivity and Phototoxic Potential of RPE Melanolipofuscin Granules from Human Donors of Different Age. <i>Antioxidants</i> , 2020, 9, 1044.	5.1	9
29	Removal of RPE lipofuscin results in rescue from retinal degeneration in a mouse model of advanced Stargardt disease: Role of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2022, 182, 132-149.	2.9	8
30	Gallium Mesoporphyrin IX-Mediated Photodestruction: A Pharmacological Trojan Horse Strategy To Eliminate Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>Molecular Pharmaceutics</i> , 2022, 19, 1434-1448.	4.6	8
31	Photoreactivity of Bis-retinoid A2E Complexed with a Model Protein in Selected Model Systems. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 415-427.	1.8	7
32	Farnesol potentiates photodynamic inactivation of <i>Staphylococcus aureus</i> with the use of red light-activated porphyrin TMPyP. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 206, 111863.	3.8	7
33	Arduino-based light source used to demonstrate mixing of colors and as a simple system for luminescence observations. <i>Physics Education</i> , 2019, 54, 023005.	0.5	3
34	Melanin and Oxidative Reactions. , 2008, , 147-158.		1
35	Potassium iodide potentiates antimicrobial photodynamic inactivation mediated by Rose Bengal: in vitro and in vivo studies. , 2018, , .		0