

Anna M Pawlak

List of Publications by Year in descending order

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37
papers

1,455
citations

430874

18
h-index

345221

36
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37
all docs

37
docs citations

37
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized fullerenes mediate photodynamic killing of cancer cells: Type I versus Type II photochemical mechanism. <i>Free Radical Biology and Medicine</i> , 2007, 43, 711-719.	2.9	225
2	The Microenvironment Effect on the Generation of Reactive Oxygen Species by Pd ^{II} Bacteriopheophorbide. <i>Journal of the American Chemical Society</i> , 2005, 127, 6487-6497.	13.7	182
3	Interactions of plasmalogens and their diacyl analogs with singlet oxygen in selected model systems. <i>Free Radical Biology and Medicine</i> , 2011, 50, 892-898.	2.9	125
4	Tocochromanols, plastoquinol, and other biological prenyllipids as singlet oxygen quenchers—determination of singlet oxygen quenching rate constants and oxidation products. <i>Free Radical Biology and Medicine</i> , 2008, 45, 920-928.	2.9	106
5	Age-Related Changes in the Photoreactivity of Retinal Lipofuscin Granules: Role of Chloroform-Insoluble Components. <i>Investigative Ophthalmology and Visual Science</i> , 2004, 45, 1052-1060.	3.3	78
6	Photoionization Thresholds of Melanins Obtained from Free Electron Laser—Photoelectron Emission Microscopy, Femtosecond Transient Absorption Spectroscopy and Electron Paramagnetic Resonance Measurements of Oxygen Photoconsumption. <i>Photochemistry and Photobiology</i> , 2006, 82, 733-737.	2.5	76
7	Comparison of the Aerobic Photoreactivity of A2E with its Precursor Retinal A ₁ . <i>Photochemistry and Photobiology</i> , 2003, 77, 253.	2.5	67
8	Verteoporfin, 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
9	Multiplex analysis of age-related protein and lipid modifications in human Bruch's membrane. <i>FASEB Journal</i> , 2010, 24, 4816-4824.	0.5	54
10	Action spectra for the photoconsumption of oxygen by human ocular lipofuscin and lipofuscin extracts. <i>Archives of Biochemistry and Biophysics</i> , 2002, 403, 59-62.	3.0	43
11	Primary Photophysical Properties of A2E in Solution. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11507-11512.	2.6	39
12	The effect of UV and visible light radiation on natural humic acid. <i>Geoderma</i> , 2005, 126, 291-299.	5.1	37
13	Atomic Force Microscopy and Near-Field Scanning Optical Microscopy Measurements of Single Human Retinal Lipofuscin Granules. <i>Journal of Physical Chemistry B</i> , 2000, 104, 12098-12101.	2.6	34
14	Different Molecular Constituents in Pheomelanin are Responsible for Emission, Transient Absorption and Oxygen Photoconsumption. <i>Photochemistry and Photobiology</i> , 2008, 84, 437-443.	2.5	28
15	Sclera as a Surrogate Marker for Determining AGE-Modifications in Bruch's Membrane Using a Raman Spectroscopy—Based Index of Aging. , 2011, 52, 1593.		26
16	Raman spectroscopy of advanced glycation end products (AGEs), possible markers for progressive retinal dysfunction. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1635-1642.	2.5	25
17	Interaction of plasmemylcholine with free radicals in selected model systems. <i>Free Radical Biology and Medicine</i> , 2017, 106, 368-378.	2.9	25
18	<i>Advanced Glycation as a Basis for Understanding Retinal Aging and Noninvasive Risk Prediction</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1126, 59-65.	3.8	24

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19	Comparison of the Aerobic Photoreactivity of A2E with its Precursor Retinal. <i>Photochemistry and Photobiology</i> , 2007, 77, 253-258.	2.5	20
20	Probing the Spatial Dependence of the Emission Spectrum of Single Human Retinal Lipofuscin Granules Using Near-field Scanning Optical Microscopy. <i>Photochemistry and Photobiology</i> , 2001, 74, 364.	2.5	18
21	Redox Active Transition Metal ions Make Melanin Susceptible to Chemical Degradation Induced by Organic Peroxide. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 319-333.	1.8	17
22	Immobilization and detection of platelet-derived extracellular vesicles on functionalized silicon substrate: cytometric and spectrometric approach. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1109-1119.	3.7	17
23	Spectroscopic properties and reactivity of free radical forms of A2E. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1037-1046.	2.9	16
24	Preliminary Studies of Antimicrobial Activity of New Synthesized Hybrids of 2-Thiohydantoin and 2-Quinolone Derivatives Activated with Blue Light. <i>Molecules</i> , 2022, 27, 1069.	3.8	16
25	<i>In vitro</i> phototoxicity of rhodopsin photobleaching products in the retinal pigment epithelium (RPE). <i>Free Radical Research</i> , 2019, 53, 456-471.	3.3	15
26	Analysis of photoreactivity and phototoxicity of riboflavin's analogue 3MeTARF. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 205, 111820.	3.8	15
27	Peroxidation of lipids in liposomal membranes of different composition photosensitized by chlorpromazine. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 241-247.	2.9	14
28	EPR Studies on the Properties of Model Photoreceptor Membranes Made of Natural and Synthetic Lipids. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 433-442.	1.8	11
29	Products of Docosahexaenoate Oxidation as Contributors to Photosensitising Properties of Retinal Lipofuscin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3525.	4.1	11
30	Simultaneous molecular imaging based on electron paramagnetic resonance of ¹⁴ N- and ¹⁵ N-labelled nitroxyl radicals. <i>Chemical Communications</i> , 2011, 47, 3245.	4.1	10
31	Mapping the distribution of emissive molecules in human ocular lipofuscin granules with near-field scanning optical microscopy. <i>Journal of Microscopy</i> , 2001, 202, 386-390.	1.8	8
32	Probing the Spatial Dependence of the Emission Spectrum of Single Human Retinal Lipofuscin Granules Using Near-field Scanning Optical Microscopy. <i>Photochemistry and Photobiology</i> , 2007, 74, 364-368.	2.5	6
33	Oxidation-Induced Increase In Photoreactivity of Bovine Retinal Lipid Extract. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 443-454.	1.8	5
34	Oxidized Lipids Decrease Phagocytic Activity of ARPE-19 Cells In Vitro. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1800476.	1.5	3
35	Tauroursodeoxycholic Acid (TUDCA) Lipid Interactions and Antioxidant Properties of TUDCA Studied in Model of Photoreceptor Membranes. <i>Membranes</i> , 2021, 11, 327.	3.0	3
36	Multiplex analysis of age-related protein and lipid modifications in human Bruch's membrane. <i>FASEB Journal</i> , 2010, 24, 4816-4824.	0.5	1

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37	Comparison of photodynamic efficiency of cholesterol, selected cholesterol esters, metabolites and oxidation products on lipid peroxidation processes. <i>Acta Biochimica Polonica</i> , 2021, 68, 527-533.	0.5	1