

Elizabeth R Gaillard

List of Publications by Year in descending order

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41
papers

1,113
citations

471509

17
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	PHOTOPHYSICAL STUDIES ON HUMAN RETINAL LIPOFUSCIN. <i>Photochemistry and Photobiology</i> , 1995, 61, 448-453.	2.5	206
2	Photoinduced Electron Transfer Bond Fragmentations. <i>Accounts of Chemical Research</i> , 1996, 29, 292-297.	15.6	110
3	The Optical Properties of the Anterior Segment of the Eye: Implications for Cortical Cataract. <i>Experimental Eye Research</i> , 1999, 68, 785-795.	2.6	94
4	Oxidation of A2E Results in the Formation of Highly Reactive Aldehydes and Ketones. <i>Photochemistry and Photobiology</i> , 2006, 82, 1251.	2.5	63
5	Environmental Effects on the Photochemistry of A2-E, a Component of Human Retinal Lipofuscin. <i>Photochemistry and Photobiology</i> , 2001, 74, 483.	2.5	53
6	Time-Resolved Autofluorescence Imaging of Human Donor Retina Tissue from Donors with Significant Extramacular Drusen. , 2012, 53, 3376.		52
7	Physical properties of the lipid bilayer membrane made of calf lens lipids: EPR spin labeling studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1454-1465.	2.6	50
8	The Photochemistry of the Retinoids as Studied by Steady-State and Pulsed Methods. <i>Photochemistry and Photobiology</i> , 1996, 63, 680-685.	2.5	47
9	Bruch's membrane aging decreases phagocytosis of outer segments by retinal pigment epithelium. <i>Molecular Vision</i> , 2007, 13, 2310-9.	1.1	44
10	Characterization of lipid domains in reconstituted porcine lens membranes using EPR spin-labeling approaches. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1079-1090.	2.6	41
11	Transmission Spectra of Light to the Mammalian Retina. <i>Photochemistry and Photobiology</i> , 2000, 71, 225.	2.5	35
12	Rational design of liposomes for sustained release drug delivery of bevacizumab to treat ocular angiogenesis. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 275-282.	3.0	32
13	Nitrite-Modified Extracellular Matrix Proteins Deleteriously Affect Retinal Pigment Epithelial Cell Function and Viability: A Comparison Study with Nonenzymatic Glycation Mechanisms. <i>Current Eye Research</i> , 2005, 30, 691-702.	1.5	26
14	Hard-sphere-like dynamics in highly concentrated alpha-crystallin suspensions. <i>Physical Review E</i> , 2018, 97, 020601.	2.1	24
15	MALDI-ToF protein profiling as a potential rapid diagnostic platform for COVID-19. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2021, 21, 31-41.	2.4	20
16	Non-enzymatic glycation of Î±-crystallin as an in vitro model for aging, diabetes and degenerative diseases. <i>Amino Acids</i> , 2015, 47, 2601-2608.	2.7	18
17	Tyrosine nitration site specificity identified by LC/MS in nitrite-modified collagen type IV. <i>Experimental and Molecular Medicine</i> , 2007, 39, 74-83.	7.7	17
18	Early Diagnosis of Diabetes through the Eye. <i>Photochemistry and Photobiology</i> , 2015, 91, 1497-1504.	2.5	17

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19	The Anthocyanins, Oenin and Callistephin, Protect RPE Cells Against Oxidative Stress. <i>Photochemistry and Photobiology</i> , 2017, 93, 590-599.	2.5	17
20	Photochemically Modified β -Crystallin: A Model System for Aging in the Primate Lens. <i>Photochemistry and Photobiology</i> , 2001, 73, 685.	2.5	17
21	Measuring Gas-Phase Basicities of Amino Acids Using an Ion Trap Mass Spectrometer. A Physical Chemistry Laboratory Experiment. <i>Journal of Chemical Education</i> , 2005, 82, 1071.	2.3	15
22	Characterization of Retinal Pigment Epithelial Melanin and Degraded Synthetic Melanin Using Mass Spectrometry and <i>In Vitro</i> Biochemical Diagnostics. <i>Photochemistry and Photobiology</i> , 2019, 95, 183-191.	2.5	15
23	Transmission of Light to the Young Primate Retina: Possible Implications for the Formation of Lipofuscin. <i>Photochemistry and Photobiology</i> , 2011, 87, 18-21.	2.5	14
24	Time-Resolved Fluorescence and Transient Spectroscopy in Determining Photochemical and Photophysical Channels in Reacting Systems in Solutions and Microheterogeneous Media. <i>Photochemistry and Photobiology</i> , 1997, 65, 23-32.	2.5	12
25	Heat and Concentration Effects on the Small Heat Shock Protein, β -Crystallin. <i>Photochemistry and Photobiology</i> , 2000, 71, 470.	2.5	11
26	AGE-RELATED CHANGES IN THE HUMAN LENS AS MONITORED BY DETECTION OF PORPHYRIN EXCITED STATES. <i>Photochemistry and Photobiology</i> , 1995, 62, 339-341.	2.5	10
27	$A2E$ -Mediated Photochemical Modification to Fibronectin and its Implications to Age-Related Changes in Bruch's Membrane. <i>Photochemistry and Photobiology</i> , 2014, 90, 329-334.	2.5	10
28	Radiation damage limits to XPCS studies of protein dynamics. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	8
29	The glycation of fibronectin by glycolaldehyde and methylglyoxal as a model for aging in Bruch's membrane. <i>Amino Acids</i> , 2016, 48, 1631-1639.	2.7	8
30	Nitrite ion modifies tyrosine and lysine residues of extracellular matrix proteins. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 79, 51-56.	2.7	7
31	Measuring the viscosity of whole bovine lens using a fiber optic oxygen sensing system. <i>Molecular Vision</i> , 2014, 20, 125-31.	1.1	6
32	Dissemination of Imidacloprid Through Dairy Cattle Manure and Its Effect on the Biological Control Agent, <i>Spalangia endius</i> (Hymenoptera: Pteromalidae), and a Filth Fly Host, <i>Musca domestica</i> (Diptera: Tj ETQqO O10rgBT /O5verlock 10		
33	Structure of supported DPPC/cholesterol bilayers studied via X-ray reflectivity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19089-19099.	2.8	4
34	Transmission Spectra of Light to the Mammalian Retina. <i>Photochemistry and Photobiology</i> , 2007, 71, 225-229.	2.5	2
35	Environmental Effects on the Photochemistry of A2-E, a Component of Human Retinal Lipofuscin. <i>Photochemistry and Photobiology</i> , 2007, 74, 483-488.	2.5	2
36	Calf melanin immunomodulates RPE cell attachment to extracellular matrix protein. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1883-1893.	1.9	1

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37	Heat and Concentration Effects on the Small Heat Shock Protein, λ -Crystallin. <i>Photochemistry and Photobiology</i> , 2007, 71, 470-475.	2.5	0
38	Studies of All-trans-retinal as a Photooxidizing Agent. <i>Photochemistry and Photobiology</i> , 2007, 73, 71-76.	2.5	0
39	Photochemically Modified λ -Crystallin: A Model System for Aging in the Primate Lens. <i>Photochemistry and Photobiology</i> , 2007, 73, 685-691.	2.5	0
40	A Photochemical Study of (E,E,E)-2-[9-(2-Hydroxyethyl)imino-3,7-dimethyl-1,3,5,7-decatrien-1-yl]-1,3,3-trimethylcyclohexene, a Derivative of all-trans-retinal and Ethanolamine. <i>Photochemistry and Photobiology</i> , 2003, 78, 298-305.	2.5	0
41	A2E Nitration Study in Human Bruch's Membrane. <i>FASEB Journal</i> , 2007, 21, A235.	0.5	0