

# John D Simon

## List of Publications by Year in descending order

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186  
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40979

93  
g-index

188  
all docs

188  
docs citations

188  
times ranked

7468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-resolved studies of solvation in polar media. <i>Accounts of Chemical Research</i> , 1988, 21, 128-134.	15.6	367
2	Melanins and melanogenesis: methods, standards, protocols. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 616-633.	3.3	365
3	Melanins and melanogenesis: from pigment cells to human health and technological applications. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 520-544.	3.3	347
4	Current challenges in understanding melanogenesis: bridging chemistry, biological control, morphology, and function. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 563-579.	3.3	316
5	Current Understanding of the Binding Sites, Capacity, Affinity, and Biological Significance of Metals in Melanin. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7938-7947.	2.6	281
6	The Red and the Black. <i>Accounts of Chemical Research</i> , 2010, 43, 1452-1460.	15.6	236
7	New melanic pigments in the human brain that accumulate in aging and block environmental toxic metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17567-17572.	7.1	213
8	Interaction of Ochratoxin A with Human Serum Albumin. Preferential Binding of the Dianion and pH Effects. <i>Journal of Physical Chemistry B</i> , 2002, 106, 452-459.	2.6	211
9	Dynamics of chemical processes in polar solvents. <i>Nature</i> , 1994, 370, 263-269.	27.8	198
10	Role of Ocular Melanin in Ophthalmic Physiology and Pathology. <i>Photochemistry and Photobiology</i> , 2008, 84, 639-644.	2.5	196
11	Ultrastructural Organization of Eumelanin from <i>Sepia officinalis</i> Measured by Atomic Force Microscopy. <i>Biochemistry</i> , 2001, 40, 13353-13360.	2.5	193
12	Isolation and Biophysical Studies of Natural Eumelanins: Applications of Imaging Technologies and Ultrafast Spectroscopy. <i>Pigment Cell &amp; Melanoma Research</i> , 2003, 16, 606-618.	3.6	167
13	Direct chemical evidence for eumelanin pigment from the Jurassic period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10218-10223.	7.1	166
14	Subpicosecond 1MLCT $\rightarrow$ 5T2 intersystem crossing of low-spin polypyridyl ferrous complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 298-307.	13.7	165
15	Neuronal pigmented autophagic vacuoles: lipofuscin, neuromelanin, and ceroid as macroautophagic responses during aging and disease. <i>Journal of Neurochemistry</i> , 2008, 106, 24-36.	3.9	164
16	Comparison of Structural and Chemical Properties of Black and Red Human Hair Melanosomes. <i>Photochemistry and Photobiology</i> , 2005, 81, 135.	2.5	160
17	The surface oxidation potential of human neuromelanin reveals a spherical architecture with a pheomelanin core and a eumelanin surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14785-14789.	7.1	151
18	Ion-Exchange and Adsorption of Fe(III) by <i>Sepia</i> Melanin. <i>Pigment Cell &amp; Melanoma Research</i> , 2004, 17, 262-269.	3.6	147

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19	The importance of vibrational motion and solvent diffusional motion in excited state intramolecular electron transfer reactions. <i>Journal of Chemical Physics</i> , 1988, 89, 908-919.	3.0	116
20	Comparison of the Structural and Physical Properties of Human Hair Eumelanin Following Enzymatic or Acid/Base Extraction. <i>Pigment Cell &amp; Melanoma Research</i> , 2003, 16, 355-365.	3.6	112
21	Quantification of the Binding Constant of Copper(II) to the Amyloid-Beta Peptide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8160-8164.	2.6	107
22	Spectroscopic and Dynamic Studies of the Epidermal Chromophores trans-Urocanic Acid and Eumelanin. <i>Accounts of Chemical Research</i> , 2000, 33, 307-313.	15.6	102
23	Insights into Melanosomes and Melanin from Some Interesting Spatial and Temporal Properties. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13201-13217.	2.6	100
24	A2E: A Component of Ocular Lipofuscin. <i>Photochemistry and Photobiology</i> , 2004, 79, 127.	2.5	98
25	The Effect of Preparation Procedures on the Morphology of Melanin from the Ink Sac of <i>Sepia officinalis</i> . <i>Pigment Cell &amp; Melanoma Research</i> , 2003, 16, 72-80.	3.6	96
26	Spectroscopic and morphological studies of human retinal lipofuscin granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3179-3184.	7.1	95
27	Photoinduced Valence Tautomerism in Cobalt Complexes Containing Semiquinone Anion as Ligand: Dynamics of the High-Spin[CoII(3,5-dtbsq)2] to Low-Spin[CoIII(3,5-dtbsq)(3,5-dtbcac)] Interconversion. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1481-1483.	4.4	92
28	Explanation for the Disparity among Absorption and Action Spectra of Eumelanin. <i>Journal of Physical Chemistry B</i> , 1999, 103, 11428-11432.	2.6	92
29	Metal-ion interactions and the structural organization of <i>Sepia eumelanin</i> . <i>Pigment Cell &amp; Melanoma Research</i> , 2005, 18, 42-48.	3.6	92
30	Intramolecular electron transfer and solvation. <i>Journal of Chemical Physics</i> , 1987, 87, 7016-7023.	3.0	90
31	Ultrafast Nonradiative Relaxation Dynamics of Eumelanin. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2864-2866.	2.6	82
32	Quantification of Ca <sup>2+</sup> -binding to melanin supports the hypothesis that melanosomes serve a functional role in regulating calcium homeostasis. <i>Pigment Cell &amp; Melanoma Research</i> , 2007, 20, 134-139.	3.6	82
33	Molecular aspects of nonequilibrium solvation: a simulation of dipole relaxation. <i>The Journal of Physical Chemistry</i> , 1988, 92, 3391-3394.	2.9	79
34	Comparisons of the Structural and Chemical Properties of Melanosomes Isolated from Retinal Pigment Epithelium, Iris and Choroid of Newborn and Mature Bovine Eyes. <i>Photochemistry and Photobiology</i> , 2005, 81, 510.	2.5	79
35	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
36	Excited-state photoreactions of chlorine dioxide in water. <i>Journal of the American Chemical Society</i> , 1992, 114, 4856-4860.	13.7	76

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37	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
38	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
39	A Hierarchical Self-Assembly of Eumelanin. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7871-7873.	2.6	75
40	Building Blocks of Eumelanin: Relative Stability and Excitation Energies of Tautomers of 5,6-Dihydroxyindole and 5,6-Indolequinone. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7162-7171.	2.6	75
41	Solvation dynamics in ethanol. <i>The Journal of Physical Chemistry</i> , 1987, 91, 2693-2696.	2.9	73
42	Non-Markovian optical dephasing dynamics in room temperature liquids investigated by femtosecond transient absorption spectroscopy: Theory and experiment. <i>Journal of Chemical Physics</i> , 1994, 100, 7855-7866.	3.0	73
43	Interaction of Ochratoxin A with Human Serum Albumin. A Common Binding Site of Ochratoxin A and Warfarin in Subdomain IIA. <i>Journal of Physical Chemistry B</i> , 2002, 106, 460-465.	2.6	73
44	Sub-picosecond $\Delta S = 2$ intersystem crossing in low-spin ferrous complexes. <i>Journal of the American Chemical Society</i> , 1992, 114, 6919-6920.	13.7	72
45	Aggregation of eumelanin mitigates photogeneration of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2002, 32, 720-730.	2.9	72
46	Probing the Building Blocks of Eumelanins Using Scanning Electron Microscopy. <i>Pigment Cell &amp; Melanoma Research</i> , 2000, 13, 179-184.	3.6	68
47	Binding of Metal Ions to Melanin and Their Effects on the Aerobic Reactivity. <i>Photochemistry and Photobiology</i> , 2004, 80, 477.	2.5	68
48	Comparison of the Aerobic Photoreactivity of A2E with its Precursor Retinal. <i>Photochemistry and Photobiology</i> , 2003, 77, 253.	2.5	67
49	Oxidation Potentials of Human Eumelanosomes and Pheomelanosomes. <i>Photochemistry and Photobiology</i> , 2005, 81, 145.	2.5	67
50	Probing Intermolecular Dynamics in Liquids by Femtosecond Optical Kerr Effect Spectroscopy: Effects of Molecular Symmetry. <i>The Journal of Physical Chemistry</i> , 1994, 98, 12600-12608.	2.9	65
51	Wavelength-dependent Photoacoustic Calorimetry Study of Melanin. <i>Photochemistry and Photobiology</i> , 1998, 68, 296-298.	2.5	65
52	Quantification of the Binding Properties of Cu <sup>2+</sup> to the Amyloid Beta Peptide: Coordination Spheres for Human and Rat Peptides and Implication on Cu <sup>2+</sup> -Induced Aggregation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11261-11271.	2.6	65
53	Spectroscopy and rotational dynamics of oxazine 725 in alcohols: A test of dielectric friction theories. <i>Journal of Chemical Physics</i> , 1990, 92, 2891-2896.	3.0	64
54	Protein conformational relaxation following photodissociation of carbon monoxide from carbonmonoxymyoglobin: picosecond circular dichroism and absorption studies. <i>Biochemistry</i> , 1991, 30, 3682-3692.	2.5	64

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55	Sodium(+) ion and lithium(+) ion effects on the photoreduction of benzophenone: a picosecond absorption study. <i>Journal of the American Chemical Society</i> , 1983, 105, 4875-4882.	13.7	63
56	Importance of molecular size on the dynamics of solvent relaxation. <i>The Journal of Physical Chemistry</i> , 1989, 93, 753-758.	2.9	63
57	Radiative Relaxation of Sepia Eumelanin is Affected by Aggregation. <i>Photochemistry and Photobiology</i> , 2001, 74, 31.	2.5	60
58	Interaction of ochratoxin A with human serum albumin. Binding sites localized by competitive interactions with the native protein and its recombinant fragments. <i>Chemico-Biological Interactions</i> , 2002, 141, 275-293.	4.0	60
59	Solvent dynamics and twisted intramolecular charge transfer in bis(4-aminophenyl) sulfone. <i>The Journal of Physical Chemistry</i> , 1986, 90, 6475-6479.	2.9	58
60	Solution photophysics of 1- and 3-aminofluorenone: the role of inter- and intramolecular hydrogen bonding in radiationless deactivation. <i>The Journal of Physical Chemistry</i> , 1991, 95, 8466-8473.	2.9	58
61	Characterization of the Fe(III)-binding Site in Sepia Eumelanin by Resonance Raman Confocal Microspectroscopy. <i>Photochemistry and Photobiology</i> , 2004, 80, 84.	2.5	55
62	Picosecond time-resolved circular dichroism spectroscopy: experimental details and applications. <i>Review of Scientific Instruments</i> , 1989, 60, 2614-2627.	1.3	54
63	Optical heterodyne detection of impulsive stimulated Raman scattering in liquids. <i>The Journal of Physical Chemistry</i> , 1995, 99, 7857-7859.	2.9	54
64	Insight into the Binding of Divalent Cations to Sepia Eumelanin from IR Absorption Spectroscopy. <i>Photochemistry and Photobiology</i> , 2006, 82, 1265.	2.5	54
65	Dynamic solvent effects on intramolecular electron-transfer reactions: fluctuation time scales and population decays. <i>The Journal of Physical Chemistry</i> , 1988, 92, 2395-2397.	2.9	53
66	Structure and dynamics of molecular liquids investigated by optical-heterodyne detected Raman-induced Kerr effect spectroscopy (OHD-RIKES). <i>Chemical Physics Letters</i> , 1995, 240, 72-78.	2.6	53
67	A Spectroscopic Study of the Epidermal Ultraviolet Chromophore trans-Urocanic Acid. <i>Journal of the American Chemical Society</i> , 1997, 119, 2715-2721.	13.7	53
68	Comparison of the Ultrafast Absorption Dynamics of Eumelanin and Pheomelanin. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11240-11244.	2.6	51
69	Picosecond photochemistry of Cr(CO) <sub>6</sub> : Solvation and dynamics of the primary intermediate. <i>Chemical Physics Letters</i> , 1983, 98, 53-56.	2.6	50
70	High-performance liquid chromatography estimation of cross-linking of dihydroxyindole moiety in eumelanin. <i>Analytical Biochemistry</i> , 2013, 434, 221-225.	2.4	50
71	Ultrafast Dynamics of Chlorine Dioxide Photochemistry in Water Studied by Femtosecond Transient Absorption Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 6406-6411.	2.9	48
72	Using optical coherence to measure the ultrafast electronic dephasing of large molecules in room-temperature liquids. <i>Chemical Physics Letters</i> , 1993, 212, 367-373.	2.6	47

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73	Probing skin pigmentation changes with transient absorption imaging of eumelanin and pheomelanin. <i>Journal of Biomedical Optics</i> , 2008, 13, 054036.	2.6	46
74	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. <i>Organic Geochemistry</i> , 2013, 64, 29-37.	1.8	45
75	Ultrashort light pulses. <i>Review of Scientific Instruments</i> , 1989, 60, 3597-3624.	1.3	44
76	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
77	The Impact of Plasma Protein Binding on the Renal Transport of Organic Anions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 349-355.	2.5	43
78	Picosecond circular dichroism spectroscopy: a Jones matrix analysis. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990, 7, 1673.	2.1	40
79	Solution photochemistry of chlorine dioxide: mechanisms for the generation of atomic chlorine. <i>Journal of the American Chemical Society</i> , 1993, 115, 5307-5307.	13.7	39
80	Complete Determination of Intermolecular Spectral Densities of Liquids Using Position-Sensitive Kerr Lens Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8613-8616.	2.9	39
81	Primary Photophysical Properties of A2E in Solution. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11507-11512.	2.6	39
82	Photogeneration and Quenching of Reactive Oxygen Species by Urocanic Acid. <i>Journal of the American Chemical Society</i> , 2002, 124, 3461-3468.	13.7	38
83	Molecular Aspects of the Transport and Toxicity of Ochratoxin A. <i>Accounts of Chemical Research</i> , 2004, 37, 874-881.	15.6	38
84	Near-Infrared Excited State Dynamics of Melanins: The Effects of Iron Content, Photo-Damage, Chemical Oxidation, and Aggregate Size. <i>Journal of Physical Chemistry A</i> , 2014, 118, 993-1003.	2.5	38
85	A Model for the Activated Energy Transfer within Eumelanin Aggregates. <i>Journal of Physical Chemistry B</i> , 2000, 104, 811-814.	2.6	36
86	Binding of Ochratoxin A Derivatives to Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6644-6647.	2.6	36
87	The pH-Dependent Primary Photoreactions of Ochratoxin A. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11369-11376.	2.6	35
88	Heat of formation of diphenylcyclopropenone by photoacoustic calorimetry. <i>Journal of the American Chemical Society</i> , 1984, 106, 4615-4616.	13.7	34
89	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
90	Establishing structure-function relationships for eumelanin. <i>Biopolymers</i> , 2002, 67, 302-305.	2.4	34

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91	Metal carbonyl bond strengths: Applications of photoacoustic calorimetry. <i>Chemical Physics Letters</i> , 1983, 100, 241-244.	2.6	33
92	Human Iridal Stroma Melanosomes of Varying Pheomelanin Contents Possess a Common Eumelanin Outer Surface. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11346-11351.	2.6	33
93	Intermolecular spectral densities of liquids: A quantitative comparison of time-domain and frequency-domain techniques. <i>Journal of Chemical Physics</i> , 1996, 104, 962-966.	3.0	31
94	Retinyl Palmitate and the Blue-Light-Induced Phototoxicity of Human Ocular Lipofuscin. <i>Archives of Biochemistry and Biophysics</i> , 2001, 393, 316-320.	3.0	31
95	Binding of Ochratoxin A to Human Serum Albumin Stabilized by a Protein-Ligand Ion Pair. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7884-7888.	2.6	31
96	Identification and quantification of dolichol and dolichoic acid in neuromelanin from substantia nigra of the human brain. <i>Journal of Lipid Research</i> , 2007, 48, 1457-1462.	4.2	31
97	Binding of Cu(II) to Human $\alpha$ -Synucleins: Comparison of Wild Type and the Point Mutations Associated with the Familial Parkinson's Disease. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9551-9561.	2.6	31
98	Electrolyte effects on the energetics and dynamics of intermolecular electron transfer reactions. <i>Journal of the American Chemical Society</i> , 1993, 115, 5657-5664.	13.7	29
99	The Origin of the Wavelength-Dependent Photoreactivity of Trans-Urocanic Acid. <i>Photochemistry and Photobiology</i> , 1998, 67, 538-540.	2.5	29
100	Subpicosecond Transient Dynamics in Gold Nanoparticles Encapsulated by a Fluorophore-Terminated Monolayer. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1765-1771.	2.6	29
101	Isotropic and anisotropic intermolecular dynamics of liquids studied by femtosecond position-sensitive Kerr lens spectroscopy. <i>Journal of Chemical Physics</i> , 1997, 106, 8639-8649.	3.0	28
102	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
103	Rotational dynamics of a solvated dipole: A molecular dynamics study of dielectric friction. <i>Journal of Chemical Physics</i> , 1987, 86, 7079-7083.	3.0	27
104	Photoinduzierte Valenztautomerie bei Cobaltkomplexen mit Semichinon-Anionen-Liganden: Dynamik der High-Spin/Low-Spin-Komplex-Umwandlung [Co <sup>II</sup> (3,5-dtsq) <sub>2</sub> ] <sup>+</sup> [Co <sup>III</sup> (3,5-dtsq)(3,5-dtbcac)]. <i>Angewandte Chemie</i> , 1995, 107, 1580-1582.	2.0	27
105	Physical and Chemical Characterization of Iris and Choroid Melanosomes Isolated from Newborn and Mature Cows. <i>Photochemistry and Photobiology</i> , 2005, 81, 517.	2.5	27
106	Binding of Warfarin Influences the Acid-Base Equilibrium of H242 in Sudlow Site I of Human Serum Albumin. <i>Photochemistry and Photobiology</i> , 2006, 82, 1365.	2.5	27
107	High energy and tunable picosecond laser pulses at 1 kHz: synchronously pumping a dye laser with a mode-locked, Q-switched and cavity dumped Nd:YAG laser system. <i>Optics Communications</i> , 1989, 69, 303-307.	2.1	26
108	Surface Elastic Properties of Human Retinal Pigment Epithelium Melanosomes. <i>Photochemistry and Photobiology</i> , 2008, 84, 671-678.	2.5	26

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109	Competing photochemical pathways of chlorine oxide (OCIO) in polar solution. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6060-6063.	2.9	25
110	Picosecond Stokes shift studies of solvent friction: Experimental measurements of time-dependent band shape and integrated intensity. <i>Chemical Physics</i> , 1991, 152, 143-152.	1.9	23
111	Primary Processes of the Electronic Excited States of trans-Urocanic Acid. <i>Journal of Physical Chemistry A</i> , 1997, 101, 969-972.	2.5	23
112	Photoionization Threshold of Eumelanosomes Determined Using UV Free Electron Laser Photoelectron Emission Microscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16334-16338.	2.6	23
113	Mechanism for the Photochemical Production of Superoxide by Quinacrine. <i>Journal of Physical Chemistry B</i> , 1999, 103, 3963-3964.	2.6	22
114	Electrolyte effects on molecular radiationless decay: The photophysics of 3-aminofluorenone in acetonitrile salt solutions. <i>Journal of Chemical Physics</i> , 1992, 97, 4792-4799.	3.0	21
115	Insights into the thermodynamics of copper association with amyloid- $\beta^2$ , $\beta^1$ -synuclein and prion proteins. <i>Metallomics</i> , 2011, 3, 262-266.	2.4	21
116	Pump-Probe Microscopic Imaging of Jurassic-Aged Eumelanin. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1924-1927.	4.6	21
117	Ultrafast Energy Transfer from Bound Tetra(4-N,N,N,N-trimethylanilinium)porphyrin to Synthetic Dopa and Cysteinyldopa Melanins. <i>Photochemistry and Photobiology</i> , 2003, 77, 1.	2.5	21
118	Structure of the Ochratoxin A Binding Site within Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16960-16964.	2.6	20
119	Comparison of Structural and Chemical Properties of Black and Red Human Hair Melanosomes. <i>Photochemistry and Photobiology</i> , 2005, 81, 135-144.	2.5	20
120	Comparison of the Aerobic Photoreactivity of A2E with its Precursor Retinal. <i>Photochemistry and Photobiology</i> , 2007, 77, 253-258.	2.5	20
121	The spectroscopy of OCIO in polar liquids. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 1293-1301.	0.1	19
122	Binding of Metal Ions to Melanin and Their Effects on the Aerobic Reactivity. <i>Photochemistry and Photobiology</i> , 2004, 80, 477-481.	2.5	19
123	Binding of Metal Ions to Melanin and Their Effects on the Aerobic Reactivity. <i>Photochemistry and Photobiology</i> , 2004, 80, 477.	2.5	19
124	Nonequilibrium and nonadiabatic effects on excited state electron transfer reactions in solution. <i>Chemical Physics Letters</i> , 1989, 158, 423-428.	2.6	18
125	Experimental Verification of the Through-Bond Mechanisms of Electron Transfer in Bridged Donor-Acceptor Complexes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2740-2743.	2.5	18
126	Ultraviolet Absorption Coefficients of Melanosomes Containing Eumelanin As Related to the Relative Content of DHI and DHICA. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2391-2395.	4.6	18



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127	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
128	Oxidation Potentials of Human Eumelanosomes and Pheomelanosomes. <i>Photochemistry and Photobiology</i> , 2004, 81, 145-8.	2.5	18
129	On the dimensionality of the reaction coordinate of intramolecular charge-transfer reactions in protic solvents. <i>Journal of the American Chemical Society</i> , 1992, 114, 4861-4870.	13.7	17
130	Melanin structure and the potential functions of uveal melanosomes. <i>Pigment Cell &amp; Melanoma Research</i> , 2006, 19, 465-466.	3.6	17
131	Spectroscopy and Photoreactivity of Trichochromes: Molecular Components of Pheomelanins. <i>Photochemistry and Photobiology</i> , 2006, 82, 318.	2.5	17
132	A picosecond circular dichroism study of photosynthetic reaction centers from <i>Rhodospirillum rubrum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1057, 131-139.	1.0	16
133	Ultrafast Spectroscopic Study of Pheomelanin: Implications on the Mechanism of Superoxide Anion Formation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6133-6135.	2.6	16
134	Introduction to Ultrafast Laser Spectroscopic Techniques Used in the Investigation of Condensed Phase Chemical Reactivity. , 1994, , 1-36.		16
135	A unique optical arrangement for obtaining spectrally resolved confocal images. <i>Review of Scientific Instruments</i> , 1999, 70, 3351-3354.	1.3	15
136	The Ultraviolet Absorption Coefficient of Melanosomes Decreases with Increasing Pheomelanin Content. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9677-9683.	2.6	15
137	UV-Absorption Spectra of Melanosomes Containing Varying 5,6-Dihydroxyindole and 5,6-Dihydroxyindole-2-Carboxylic Acid Content. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12624-12631.	2.6	15
138	Chemical characterization of pterosaur melanin challenges color inferences in extinct animals. <i>Scientific Reports</i> , 2019, 9, 15947.	3.3	15
139	The differing embryonic origins of retinal and uveal (iris/ciliary body and choroid) melanosomes are mirrored by their phospholipid composition. <i>Pigment Cell &amp; Melanoma Research</i> , 2007, 20, 61-69.	3.6	14
140	Neuromelanins in various regions of human brain are associated with native and oxidized isoprenoid lipids. <i>Archives of Biochemistry and Biophysics</i> , 2009, 484, 94-99.	3.0	14
141	Ultrafast absorption and photothermal studies of decarboxytrichochrome C in solution Dedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 821.	2.9	13
142	Age-dependent Photoionization Thresholds of Melanosomes and Lipofuscin Isolated from Human Retinal Pigment Epithelium Cells. <i>Photochemistry and Photobiology</i> , 2006, 82, 1475-1481.	2.5	13
143	Mechanistic Studies on the Photochemical Deprotection of 3,5-Dimethoxybenzoic Acid Esters. <i>Photochemistry and Photobiology</i> , 2006, 82, 1258.	2.5	13
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