

Alessandra Napolitano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7423711/publications.pdf>

Version: 2024-02-01

255
papers

11,901
citations

31902

53
h-index

38300

95
g-index

268
all docs

268
docs citations

268
times ranked

10444
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Structural Diversity in Eumelanins: Unexplored Bio-Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3914-3921.	7.2	517
2	Polydopamine and Eumelanin: From Structure-Property Relationships to a Unified Tailoring Strategy. <i>Accounts of Chemical Research</i> , 2014, 47, 3541-3550.	7.6	514
3	Building-Block Diversity in Polydopamine Underpins a Multifunctional Eumelanin-Type Platform Tunable Through a Quinone Control Point. <i>Advanced Functional Materials</i> , 2013, 23, 1331-1340.	7.8	482
4	Advanced oxidation of the pharmaceutical drug diclofenac with UV/H ₂ O ₂ and ozone. <i>Water Research</i> , 2004, 38, 414-422.	5.3	382
5	Melanins and melanogenesis: methods, standards, protocols. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 616-633.	1.5	365
6	Melanins and melanogenesis: from pigment cells to human health and technological applications. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 520-544.	1.5	347
7	Kinetic and chemical assessment of the UV/H ₂ O ₂ treatment of antiepileptic drug carbamazepine. <i>Chemosphere</i> , 2004, 54, 497-505.	4.2	306
8	Atypical Structural and Electronic Features of a Melanin Polymer That Lead to Superior Free-Radical Scavenging Properties. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12684-12687.	7.2	284
9	Nitro-fatty Acid Formation and Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 15515-15519.	1.6	239
10	Tris Buffer Modulates Polydopamine Growth, Aggregation, and Paramagnetic Properties. <i>Langmuir</i> , 2014, 30, 9811-9818.	1.6	218
11	Bioactive Phenolic Compounds From Agri-Food Wastes: An Update on Green and Sustainable Extraction Methodologies. <i>Frontiers in Nutrition</i> , 2020, 7, 60.	1.6	208
12	Disentangling Eumelanin "Black Chromophore" Visible Absorption Changes As Signatures of Oxidation State- and Aggregation-Dependent Dynamic Interactions in a Model Water-Soluble 5,6-Dihydroxyindole Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 15270-15275.	6.6	129
13	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11196-11205.	7.2	121
14	Advanced Oxidation Chemistry of Paracetamol. UV/H ₂ O ₂ -Induced Hydroxylation/Degradation Pathways and N-Aided Inventory of Nitrogenous Breakdown Products. <i>Journal of Organic Chemistry</i> , 2002, 67, 6143-6151.	1.7	119
15	Iron-Mediated Generation of the Neurotoxin 6-Hydroxydopamine Quinone by Reaction of Fatty Acid Hydroperoxides with Dopamine: A Possible Contributory Mechanism for Neuronal Degeneration in Parkinson's Disease. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 2211-2216.	2.9	118
16	Oxidation Chemistry of Catecholamines and Neuronal Degeneration: An Update. <i>Current Medicinal Chemistry</i> , 2011, 18, 1832-1845.	1.2	118
17	An integrated approach to the structure of Sepia melanin. Evidence for a high proportion of degraded 5,6-dihydroxyindole-2-carboxylic acid units in the pigment backbone. <i>Tetrahedron</i> , 1997, 53, 8281-8286.	1.0	117
18	Pheomelanin-induced oxidative stress: bright and dark chemistry bridging red hair phenotype and melanoma. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 721-733.	1.5	116

#	ARTICLE	IF	CITATIONS
19	Characterization of Melanins in Human Irides and Cultured Uveal Melanocytes From Eyes of Different Colors. <i>Experimental Eye Research</i> , 1998, 67, 293-299.	1.2	107
20	Natural and Bioinspired Phenolic Compounds as Tyrosinase Inhibitors for the Treatment of Skin Hyperpigmentation: Recent Advances. <i>Cosmetics</i> , 2019, 6, 57.	1.5	107
21	Peroxidase as an alternative to tyrosinase in the oxidative polymerization of 5,6-dihydroxyindoles to melanin(s). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991, 1073, 423-430.	1.1	106
22	Phaeomelanin versus eumelanin as a chemical indicator of ultraviolet sensitivity in fair-skinned subjects at high risk for melanoma: a pilot study. <i>Melanoma Research</i> , 1998, 8, 53-58.	0.6	104
23	Short-Lived Quinonoid Species from 5,6-Dihydroxyindole Dimers en Route to Eumelanin Polymers:Â Integrated Chemical, Pulse Radiolytic, and Quantum Mechanical Investigation. <i>Journal of the American Chemical Society</i> , 2006, 128, 15490-15498.	6.6	104
24	â€œFifty Shadesâ€ of Black and Red or How Carboxyl Groups Fine Tune Eumelanin and Pheomelanin Properties. <i>International Journal of Molecular Sciences</i> , 2016, 17, 746.	1.8	99
25	Red human hair pheomelanin is a potent proâ€oxidant mediating <scp>UV</scp>â€independent contributory mechanisms of melanomagenesis. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 244-252.	1.5	97
26	Structural Basis of Polydopamine Film Formation: Probing 5,6-Dihydroxyindole-Based Eumelanin Type Units and the Porphyrin Issue. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7670-7680.	4.0	96
27	5,6-Dihydroxyindoles and Indole-5,6-diones. <i>Advances in Heterocyclic Chemistry</i> , 2005, 89, 1-63.	0.9	95
28	The Chemistry of Polydopamine Film Formation: The Amine-Quinone Interplay. <i>Biomimetics</i> , 2018, 3, 26.	1.5	94
29	Generation of the Neurotoxin 6-Hydroxydopamine by Peroxidase/H2O2 Oxidation of Dopamine. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 917-922.	2.9	92
30	5,6-Dihydroxyindole Tetramers with â€Anomalousâ€ Interunit Bonding Patterns by Oxidative Coupling of 5,5â€~6,6â€-Tetrahydroxy-2,7â€-biindolyl:â€ Emerging Complexities on the Way toward an Improved Model of 1.7 Eumelanin Buildup. <i>Journal of Organic Chemistry</i> , 2007, 72, 9225-9230.		89
31	Dopaquinone redox exchange with dihydroxyindole and dihydroxyindole carboxylic acid. <i>Pigment Cell & Melanoma Research</i> , 2006, 19, 443-450.	4.0	86
32	The First 5,6-Dihydroxyindole Tetramer by Oxidation of 5,5â€~6,6â€-Tetrahydroxy- 2,4â€-biindolyl and an Unexpected Issue of Positional Reactivity en Route to Eumelanin-Related Polymers. <i>Organic Letters</i> , 2007, 9, 1411-1414.	2.4	80
33	Secondary Targets of Nitrite-Derived Reactive Nitrogen Species: Nitrosation/Nitration Pathways, Antioxidant Defense Mechanisms and Toxicological Implications. <i>Chemical Research in Toxicology</i> , 2011, 24, 2071-2092.	1.7	80
34	Natural Phenol Polymers: Recent Advances in Food and Health Applications. <i>Antioxidants</i> , 2017, 6, 30.	2.2	75
35	Role of Solvent, pH, and Molecular Size in Excited-State Deactivation of Key Eumelanin Building Blocks: Implications for Melanin Pigment Photostability. <i>Journal of the American Chemical Society</i> , 2008, 130, 17038-17043.	6.6	74
36	Red Hair Benzothiazines and Benzothiazoles: Mutation-Inspired Chemistry in the Quest for Functionality. <i>Accounts of Chemical Research</i> , 2013, 46, 519-528.	7.6	74

#	ARTICLE	IF	CITATIONS
37	Oxidative degradation of melanins to pyrrole acids: A model study. <i>Tetrahedron</i> , 1995, 51, 5913-5920.	1.0	73
38	Nitrite- and Peroxide-Dependent Oxidation Pathways of Dopamine: 6-Nitrodopamine and 6-Hydroxydopamine Formation as Potential Contributory Mechanisms of Oxidative Stress- and Nitric Oxide-Induced Neurotoxicity in Neuronal Degeneration. <i>Chemical Research in Toxicology</i> , 1999, 12, 1213-1222.	1.7	71
39	Reverse Engineering Applied to Red Human Hair Pheomelanin Reveals Redox-Buffering as a Pro-Oxidant Mechanism. <i>Scientific Reports</i> , 2015, 5, 18447.	1.6	67
40	Comparative Analysis of Melanins and Melanosomes Produced by Various Coat Color Mutants. <i>Pigment Cell & Melanoma Research</i> , 1995, 8, 153-163.	4.0	65
41	A reappraisal of traditional apple cultivars from Southern Italy as a rich source of phenols with superior antioxidant activity. <i>Food Chemistry</i> , 2013, 140, 672-679.	4.2	64
42	Ovothiol Isolated from Sea Urchin Oocytes Induces Autophagy in the Hep-G2 Cell Line. <i>Marine Drugs</i> , 2014, 12, 4069-4085.	2.2	63
43	Eumelanin broadband absorption develops from aggregation-modulated chromophore interactions under structural and redox control. <i>Scientific Reports</i> , 2017, 7, 41532.	1.6	63
44	New intermediates in the oxidative polymerisation of 5,6-dihydroxyindole to melanin promoted by the peroxidase/H ₂ O ₂ system. <i>Tetrahedron</i> , 1990, 46, 5789-5796.	1.0	61
45	Identification of Partially Degraded Oligomers of 5,6-Dihydroxyindole-2-carboxylic Acid in Sepia Melanin by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 368-372.	0.7	61
46	Isolation and characterization of mammalian eumelanins from hair and irides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1475, 295-306.	1.1	61
47	New Reaction Pathways of Dopamine under Oxidative Stress Conditions: A Nonenzymatic Iron-Assisted Conversion to Norepinephrine and the Neurotoxins 6-Hydroxydopamine and 6,7-Dihydroxytetrahydroisoquinoline. <i>Chemical Research in Toxicology</i> , 1999, 12, 1090-1097.	1.7	60
48	Structural Analysis of Synthetic Melanins from 5,6-Dihydroxyindole by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 468-472.	0.7	59
49	Diffusible melanin-related metabolites are potent inhibitors of lipid peroxidation. <i>Lipids and Lipid Metabolism</i> , 1997, 1346, 61-68.	2.6	59
50	A reinvestigation of the structure of melanochrome. <i>Tetrahedron Letters</i> , 1985, 26, 2805-2808.	0.7	58
51	Oxidative polymerisation of 5,6-dihydroxyindole-2-carboxylic acid to melanin: A new insight. <i>Tetrahedron</i> , 1996, 52, 7913-7920.	1.0	58
52	Fermented pomegranate wastes as sustainable source of ellagic acid: Antioxidant properties, anti-inflammatory action, and controlled release under simulated digestion conditions. <i>Food Chemistry</i> , 2018, 246, 129-136.	4.2	58
53	5,6-Dihydroxyindole Chemistry: Unexplored Opportunities Beyond Eumelanin. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5501-5516.	1.2	56
54	Acid-Promoted Reactions of Ethyl Linoleate with Nitrite Ions: Formation and Structural Characterization of Isomeric Nitroalkene, Nitrohydroxy, and Novel 3-Nitro-1,5-hexadiene and 1,5-Dinitro-1,3-pentadiene Products. <i>Journal of Organic Chemistry</i> , 2000, 65, 4853-4860.	1.7	55

#	ARTICLE	IF	CITATIONS
55	Mechanism of Selective Incorporation of the Melanoma Seeker 2-Thiouracil into Growing Melanin. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 5192-5201.	2.9	52
56	5,6-Dihydroxyindoles in the Fenton Reaction: A Model Study of the Role of Melanin Precursors in Oxidative Stress and Hyperpigmentary Processes. <i>Chemical Research in Toxicology</i> , 1999, 12, 985-992.	1.7	52
57	Microanalysis of Melanins in Mammalian Hair by Alkaline Hydrogen Peroxide Degradation: Identification of a New Structural Marker of Pheomelanins. <i>Journal of Investigative Dermatology</i> , 2000, 114, 1141-1147.	0.3	52
58	The Late Stages of Melanogenesis: Exploring the Chemical Facets and the Application Opportunities. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1753.	1.8	52
59	Zinc-Catalyzed Oxidation of 5-S-Cysteinyl-dopa to 2,2-Bi(2H-1,4-benzothiazine): Tracking the Biosynthetic Pathway of Trichochromes, the Characteristic Pigments of Red Hair. <i>Journal of Organic Chemistry</i> , 2001, 66, 6958-6966.	1.7	51
60	An expedient one-pot entry to catecholestrogens and other catechol compounds via IBX-mediated phenolic oxygenation. <i>Tetrahedron Letters</i> , 2005, 46, 3541-3544.	0.7	51
61	Uncovering the Structure of Human Red Hair Pheomelanin: Benzothiazolylthiazinodihydroisoquinolines As Key Building Blocks. <i>Journal of Natural Products</i> , 2011, 74, 675-682.	1.5	51
62	Engineering polydopamine films with tailored behaviour for next-generation eumelanin-related hybrid devices. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1018-1028.	2.7	50
63	A Superior All-Natural Antioxidant Biomaterial from Spent Coffee Grounds for Polymer Stabilization, Cell Protection, and Food Lipid Preservation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1169-1179.	3.2	50
64	Oxidative Polymerization of the Pheomelanin Precursor 5-Hydroxy-1,4-benzothiazinylalanine: A New Hint to the Pigment Structure. <i>Journal of Organic Chemistry</i> , 1996, 61, 598-604.	1.7	49
65	The "Benzothiazine" Chromophore of Pheomelanins: A Reassessment. <i>Photochemistry and Photobiology</i> , 2008, 84, 593-599.	1.3	49
66	A biosynthetic approach to the structure of eumelanins. The isolation of oligomers from 5,6-dihydroxy-1-methylindole. <i>Tetrahedron</i> , 1986, 42, 2083-2088.	1.0	48
67	New pyrrole acids by oxidative degradation of eumelanins with hydrogen peroxide. Further hints to the mechanism of pigment breakdown. <i>Tetrahedron</i> , 1996, 52, 8775-8780.	1.0	48
68	An Antioxidant Bioinspired Phenolic Polymer for Efficient Stabilization of Polyethylene. <i>Biomacromolecules</i> , 2014, 15, 302-310.	2.6	48
69	Recent Advances in Research on Polyphenols: Effects on Microbiota, Metabolism, and Health. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100670.	1.5	48
70	The Eumelanin Intermediate 5,6-Dihydroxyindole-2-Carboxylic Acid Is a Messenger in the Cross-Talk among Epidermal Cells. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1196-1205.	0.3	47
71	Resveratrol-based benzoselenophenes with an enhanced antioxidant and chain breaking capacity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5757-5764.	1.5	46
72	Oxidative conjugation of chlorogenic acid with glutathione. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4797-4805.	1.4	45

#	ARTICLE	IF	CITATIONS
73	Ultrafast Excited State Dynamics of 5,6-Dihydroxyindole, A Key Eumelanin Building Block: Nonradiative Decay Mechanism. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12575-12580.	1.2	45
74	Lack of Visible Chromophore Development in the Pulse Radiolysis Oxidation of 5,6-Dihydroxyindole-2-carboxylic Acid Oligomers: DFT Investigation and Implications for Eumelanin Absorption Properties. <i>Journal of Organic Chemistry</i> , 2009, 74, 3727-3734.	1.7	44
75	Shedding light on ovoid thiol biosynthesis in marine metazoans. <i>Scientific Reports</i> , 2016, 6, 21506.	1.6	44
76	Latanoprost Stimulates Eumelanogenesis in Iridial Melanocytes of Cynomolgus Monkeys. <i>Pigment Cell & Melanoma Research</i> , 2000, 13, 147-150.	4.0	42
77	Metal ions as potential regulatory factors in the biosynthesis of red hair pigments: a new benzothiazole intermediate in the iron or copper assisted oxidation of 5-S-cysteinyl-dopa. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1571, 157-166.	1.1	42
78	Acid-Induced Structural Modifications of Unsaturated Fatty Acids and Phenolic Olive Oil Constituents by Nitrite Ions: A Chemical Assessment. <i>Chemical Research in Toxicology</i> , 2004, 17, 1329-1337.	1.7	42
79	A Reactive ortho-Quinone Generated by Tyrosinase-Catalyzed Oxidation of the Skin Depigmenting Agent Monobenzone: Self-Coupling and Thiol-Conjugation Reactions and Possible Implications for Melanocyte Toxicity. <i>Chemical Research in Toxicology</i> , 2009, 22, 1398-1405.	1.7	42
80	A new oxidation pathway of the neurotoxin 6-aminodopamine. Isolation and characterisation of a dimer with a tetrahydro[3,4a]iminoethanophenoxazine ring system.. <i>Tetrahedron</i> , 1992, 48, 8515-8522.	1.0	41
81	Oxidative chemistry of the natural antioxidant hydroxytyrosol: hydrogen peroxide-dependent hydroxylation and hydroxyquinone/o-quinone coupling pathways. <i>Tetrahedron</i> , 2006, 62, 1273-1278.	1.0	41
82	Mild and efficient iodination of aromatic and heterocyclic compounds with the NaClO ₂ /NaI/HCl system. <i>Tetrahedron</i> , 2008, 64, 234-239.	1.0	41
83	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.	1.3	41
84	Multifunctional Thin Films and Coatings from Caffeic Acid and a Cross-Linking Diamine. <i>Langmuir</i> , 2017, 33, 2096-2102.	1.6	41
85	An easy-to-run method for routine analysis of eumelanin and pheomelanin in pigmented tissues. <i>Pigment Cell & Melanoma Research</i> , 2007, 20, 128-133.	4.0	40
86	The haptentation theory of vitiligo and melanoma rejection: a close-up. <i>Experimental Dermatology</i> , 2011, 20, 92-96.	1.4	40
87	Glyoxal formation by Fenton-induced degradation of carbohydrates and related compounds. <i>Carbohydrate Research</i> , 2006, 341, 1828-1833.	1.1	39
88	Structural Effects on the Electronic Absorption Properties of 5,6-Dihydroxyindole Oligomers: The Potential of an Integrated Experimental and DFT Approach to Model Eumelanin Optical Properties. <i>Photochemistry and Photobiology</i> , 2008, 84, 600-607.	1.3	39
89	Isomeric cysteinyl-dopas provide a (photo)degradable bulk component and a robust structural element in red human hair pheomelanin. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 319-327.	1.5	39
90	Redox Is a Global Biodevice Information Processing Modality. <i>Proceedings of the IEEE</i> , 2019, 107, 1402-1424.	16.4	37

#	ARTICLE	IF	CITATIONS
91	Chemical, Pulse Radiolysis and Density Functional Studies of a New, Labile 5,6-Indolequinone and Its Semiquinone. <i>Journal of Organic Chemistry</i> , 2007, 72, 1595-1603.	1.7	36
92	Reverse Engineering To Characterize Redox Properties: Revealing Melanin's Redox Activity through Mediated Electrochemical Probing. <i>Chemistry of Materials</i> , 2018, 30, 5814-5826.	3.2	36
93	A New Insight in the Biosynthesis of Pheomelanins: Characterization of a Labile 1,4-Benzothiazine Intermediate. <i>Journal of Organic Chemistry</i> , 1999, 64, 3009-3011.	1.7	35
94	Black Sesame Pigment: DPPH Assay-Guided Purification, Antioxidant/Antinitrosating Properties, and Identification of a Degradative Structural Marker. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8895-8901.	2.4	35
95	5-S-Lipoylhydroxytyrosol, a Multidense Antioxidant Featuring a Solvent-Tunable Peroxyl Radical-Scavenging 3-Thio-1,2-dihydroxybenzene Motif. <i>Journal of Organic Chemistry</i> , 2013, 78, 9857-9864.	1.7	34
96	Free Radical Coupling of <i>o</i> -Semiquinones Uncovered. <i>Journal of the American Chemical Society</i> , 2013, 135, 12142-12149.	6.6	34
97	New Insights into the Acid-Promoted Reaction of Caffeic Acid and Its Esters with Nitrite: Decarboxylation Drives Chain Nitrosation Pathways toward Novel Oxime Derivatives and Oxidation/Fragmentation Products Thereof. <i>Journal of Organic Chemistry</i> , 2002, 67, 803-810.	1.7	33
98	1,4-Benzothiazines as Key Intermediates in the Biosynthesis of Red Hair Pigment Pheomelanins. <i>Pigment Cell & Melanoma Research</i> , 2003, 16, 532-539.	4.0	33
99	Oxidation Chemistry of Norepinephrine: Partitioning of the <i>o</i> -Quinone between Competing Cyclization and Chain Breakdown Pathways and Their Roles in Melanin Formation. <i>Chemical Research in Toxicology</i> , 2007, 20, 1549-1555.	1.7	33
100	UV Dissipation Mechanisms in the Eumelanin Building Block DHICA. <i>ChemPhysChem</i> , 2010, 11, 2424-2431.	1.0	33
101	High Antioxidant Action and Prebiotic Activity of Hydrolyzed Spent Coffee Grounds (HSCG) in a Simulated Digestion-Fermentation Model: Toward the Development of a Novel Food Supplement. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6452-6459.	2.4	33
102	A profile of the oxidation chemistry of 5-hydroxyindole under biomimetic conditions. <i>Tetrahedron</i> , 1988, 44, 7265-7270.	1.0	31
103	Characterisation of 1,4-benzothiazine intermediates in the oxidative conversion of 5-S-cysteinyldopa to pheomelanins. <i>Tetrahedron Letters</i> , 1994, 35, 6365-6368.	0.7	31
104	5-S-Cysteinyldopa, a diffusible product of melanocyte activity, is an efficient inhibitor of hydroxylation/oxidation reactions induced by the Fenton system. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996, 1291, 75-82.	1.1	31
105	Transient quinonimines and 1,4-benzothiazines of pheomelanogenesis: new pulse radiolytic and spectrophotometric evidence. <i>Free Radical Biology and Medicine</i> , 1999, 27, 521-528.	1.3	31
106	Oxidative chemistry of hydroxytyrosol: isolation and characterisation of novel methanooxocinobenzodioxinone derivatives. <i>Tetrahedron Letters</i> , 2003, 44, 8289-8292.	0.7	31
107	Anti-Inflammatory Activity of Marine Ovoidiol A in an <i>In Vitro</i> Model of Endothelial Dysfunction Induced by Hyperglycemia. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	31
108	A Melanin-Related Phenolic Polymer with Potent Photoprotective and Antioxidant Activities for Dermo-Cosmetic Applications. <i>Antioxidants</i> , 2020, 9, 270.	2.2	31

#	ARTICLE	IF	CITATIONS
109	Reactions of Hydro(pero)xy Derivatives of Polyunsaturated Fatty Acids/Esters with Nitrite Ions under Acidic Conditions. Unusual Nitrosative Breakdown of Methyl 13-Hydro(pero)xyoctadeca-9,11-dienoate to a Novel 4-Nitro-2-oximinoalk-3-enal Product. <i>Journal of Organic Chemistry</i> , 2002, 67, 1125-1132.	1.7	30
110	Nitrocatechols versus nitrocatecholamines as novel competitive inhibitors of neuronal nitric oxide synthase: lack of the aminoethyl side chain determines loss of tetrahydrobiopterin-antagonizing properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 13-16.	1.0	30
111	The Acid-Promoted Reaction of the Green Tea Polyphenol Epigallocatechin Gallate with Nitrite Ions. <i>Chemical Research in Toxicology</i> , 2005, 18, 722-729.	1.7	30
112	A melanin-inspired pro-oxidant system for dopa(mine) polymerization: mimicking the natural casing process. <i>Chemical Communications</i> , 2011, 47, 10308.	2.2	30
113	Artificial Biomelanin: Highly Light-Absorbing Nano-Sized Eumelanin by Biomimetic Synthesis in Chicken Egg White. <i>Biomacromolecules</i> , 2014, 15, 3811-3816.	2.6	30
114	Antioxidant Properties of Agri-Food Byproducts and Specific Boosting Effects of Hydrolytic Treatments. <i>Antioxidants</i> , 2020, 9, 438.	2.2	30
115	Ellagic Acid Recovery by Solid State Fermentation of Pomegranate Wastes by <i>Aspergillus niger</i> and <i>Saccharomyces cerevisiae</i> : A Comparison. <i>Molecules</i> , 2019, 24, 3689.	1.7	29
116	Sulphydryl compounds in melanogenesis. <i>Tetrahedron</i> , 1987, 43, 5351-5356.	1.0	28
117	Development of an integrated method of skin phenotype measurement using the melanins. <i>Melanoma Research</i> , 2001, 11, 551-557.	0.6	28
118	Plant Catechols and Their S-Glutathionyl Conjugates as Antinitrosating Agents: Expedient Synthesis and Remarkable Potency of 5-S-Glutathionylpiceatannol. <i>Chemical Research in Toxicology</i> , 2008, 21, 2407-2413.	1.7	28
119	Characterization and Fate of Hydrogen-Bonded Free-Radical Intermediates and Their Coupling Products from the Hydrogen Atom Transfer Agent 1,8-Naphthalenediol. <i>ACS Omega</i> , 2018, 3, 3918-3927.	1.6	28
120	Unexpected impact of esterification on the antioxidant activity and (photo)stability of a eumelanin from 5,6-dihydroxyindole-2-carboxylic acid. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 475-483.	1.5	27
121	A novel fluoride-sensing scaffold by a peculiar acid-promoted trimerization of 5,6-dihydroxyindole. <i>Tetrahedron</i> , 2009, 65, 2032-2036.	1.0	26
122	Is DHICA the key to dopachrome tautomerase and melanocyte functions?. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 248-249.	1.5	26
123	A water-soluble eumelanin polymer with typical polyelectrolyte behaviour by triethyleneglycol N-functionalization. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2810-2816.	2.7	26
124	Efficient Binding of Heavy Metals by Black Sesame Pigment: Toward Innovative Dietary Strategies To Prevent Bioaccumulation. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 890-897.	2.4	26
125	Disentangling structure-dependent antioxidant mechanisms in phenolic polymers by multiparametric EPR analysis. <i>Chemical Communications</i> , 2018, 54, 9426-9429.	2.2	26
126	New regulatory mechanisms in the biosynthesis of pheomelanins: rearrangement vs. redox exchange reaction routes of a transient 2H-1,4-benzothiazine-o-quinonimine intermediate. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1475, 47-54.	1.1	25

#	ARTICLE	IF	CITATIONS
127	The Chemical Basis of the Antinitrosating Action of Polyphenolic Cancer Chemopreventive Agents. <i>Current Medicinal Chemistry</i> , 2006, 13, 3133-3144.	1.2	25
128	Pecan (<i>Carya illinoensis</i>) (Wagenh.) K. Koch) Nut Shell as an Accessible Polyphenol Source for Active Packaging and Food Colorant Stabilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6700-6712.	3.2	25
129	Oxidative coupling of dopa with resorcinol and phloroglucinol: Isolation of adducts with an unusual tetrahydromethanobenzofuro[2,3-d]azocine skeleton. <i>Tetrahedron</i> , 1991, 47, 6243-6250.	1.0	24
130	Inhibitory effect of melanin precursors on arachidonic acid peroxidation. <i>Lipids and Lipid Metabolism</i> , 1993, 1168, 175-180.	2.6	24
131	The first entry to 5,6-dihydroxy-3-mercaptoindole, 5-hydroxy-3-mercaptoindole and their 2-carbomethoxy derivatives by a mild thiocyanation/reduction methodology. <i>Tetrahedron Letters</i> , 2007, 48, 3883-3886.	0.7	24
132	Efficient Synthesis of 5,6-Dihydroxyindole Dimers, Key Eumelanin Building Blocks, by a Unified o-Ethynylaniline-Based Strategy for the Construction of 2-Linked Biindolyl Scaffolds. <i>Journal of Organic Chemistry</i> , 2009, 74, 7191-7194.	1.7	24
133	Cyclic Structural Motifs in 5,6-Dihydroxyindole Polymerization Uncovered: Biomimetic Modular Buildup of a Unique Five-Membered Macrocyclic. <i>Organic Letters</i> , 2010, 12, 3250-3253.	2.4	24
134	A Robust Fungal Allomelanin Mimic: An Antioxidant and Potent π -Electron Donor with Free Radical Properties that can be Tuned by Ionic Liquids. <i>ChemPlusChem</i> , 2019, 84, 1331-1337.	1.3	24
135	Copolymerisation of 5,6-dihydroxyindole and 5,6-dihydroxyindole-2-carboxylic acid in melanogenesis: Isolation of a cross-coupling product. <i>Tetrahedron Letters</i> , 1993, 34, 885-888.	0.7	23
136	The acid-promoted reaction of ethyl linoleate with nitrite. New insights from ^{15}N -labelling and peculiar reactivity of a model skipped diene. <i>Tetrahedron</i> , 2002, 58, 5061-5067.	1.0	23
137	A new benzothiazole derivative by degradation of pheomelanins with alkaline hydrogen peroxide. <i>Tetrahedron Letters</i> , 1996, 37, 6799-6802.	0.7	22
138	Chemistry of Nitrated Lipids: Remarkable Instability of 9-Nitrolinoleic Acid in Neutral Aqueous Medium and a Novel Nitronitrate Ester Product by Concurrent Autoxidation/Nitric Oxide-Release Pathways. <i>Journal of Organic Chemistry</i> , 2008, 73, 7517-7525.	1.7	22
139	Sulphydryl compounds in melanogenesis. <i>Tetrahedron</i> , 1987, 43, 5357-5362.	1.0	21
140	^{17}O -Estradiol nitration by peroxidase/ $\text{H}_2\text{O}_2/\text{NO}_2^-$: a chemical assessment. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 2927-2936.	1.4	21
141	Oxidative Coupling of ^{17}O -Estradiol: Inventory of Oligomer Products and Configuration Assignment of Atropisomeric C4-Linked Biphenyl-Type Dimers and Trimers. <i>Journal of Organic Chemistry</i> , 2004, 69, 5652-5659.	1.7	21
142	Silver nanoparticles on hydrolyzed spent coffee grounds (HSCG) for green antibacterial devices. <i>Journal of Cleaner Production</i> , 2020, 268, 122352.	4.6	21
143	A Reassessment of the Structure of 5,6-Dihydroxyindole-2-carboxylic Acid Melanins by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 204-208.	0.7	20
144	Tyrosinase-Catalyzed Oxidation of ^{17}O -Estradiol: Structure Elucidation of the Products Formed beyond Catechol Estrogen Quinones. <i>Chemical Research in Toxicology</i> , 2005, 18, 1413-1419.	1.7	20

#	ARTICLE	IF	CITATIONS
145	Paraquatâ€“Melanin Redox-Cycling: Evidence from Electrochemical Reverse Engineering. ACS Chemical Neuroscience, 2016, 7, 1057-1067.	1.7	20
146	Exhausted Woods from Tannin Extraction as an Unexplored Waste Biomass: Evaluation of the Antioxidant and Pollutant Adsorption Properties and Activating Effects of Hydrolytic Treatments. Antioxidants, 2019, 8, 84.	2.2	20
147	Redox Activities of Melanins Investigated by Electrochemical Reverse Engineering: Implications for their Roles in Oxidative Stress. Journal of Investigative Dermatology, 2020, 140, 537-543.	0.3	20
148	Development and characterization of antimicrobial and antioxidant whey protein-based films functionalized with Pecan (Carya illinoensis) nut shell extract. Food Packaging and Shelf Life, 2021, 29, 100710.	3.3	20
149	Acid-Promoted Reaction of the Stilbene Antioxidant Resveratrol with Nitrite Ions:Â Mild Phenolic Oxidation at the 4â€“Hydroxystyryl Sector Triggering Nitration, Dimerization, and Aldehyde-Forming Routes. Journal of Organic Chemistry, 2006, 71, 4246-4254.	1.7	19
150	Oxidative Conversion of 6-Nitrocatecholamines to Nitrosating Products:Â A Possible Contributory Factor in Nitric Oxide and Catecholamine Neurotoxicity Associated with Oxidative Stress and Acidosis. Chemical Research in Toxicology, 2001, 14, 1296-1305.	1.7	18
151	Towards Eumelanin@Zeolite Hybrids: Poreâ€“Sizeâ€“Controlled 5,6â€“Dihydroxyindole Polymerization. Chemistry - A European Journal, 2014, 20, 1597-1601.	1.7	18
152	â€œBlacknessâ€“ is an index of redox complexity in melanin polymers. Polymer Chemistry, 2020, 11, 5005-5010.	1.9	18
153	Human Melanocytes and Melanomas Express Novel mRNA Isoforms of the Tyrosinase-Related Protein-2/DOPAchrome Tautomerase Gene: Molecular and Functional Characterization. Journal of Investigative Dermatology, 2000, 115, 48-56.	0.3	17
154	Oxidation of the Neurotoxin 6-Nitrodopamine and Related 4-Nitrocatechols Under Biomimetic Conditions. Tetrahedron, 2000, 56, 5941-5945.	1.0	17
155	Remarkable Chichibabin-type cyclotrimerisation of 3-nitrotyrosine, tyrosine and phenylalanine to 3,5-diphenylpyridine derivatives induced by hypochlorous acid. Tetrahedron Letters, 2005, 46, 6457-6460.	0.7	17
156	Differential Reactivity of Purified Bioactive Coffee Furans, Cafestol and Kahweol, with Acidic Nitrite: Product Characterization and Factors Controlling Nitrosation Versus Ring-Opening Pathways. Chemical Research in Toxicology, 2009, 22, 1922-1928.	1.7	17
157	Photochemistry of Pheomelanin Building Blocks and Model Chromophores: Excited-State Intra- and Intermolecular Proton Transfer. Journal of Physical Chemistry Letters, 2014, 5, 2094-2100.	2.1	17
158	Stable Benzacridine Pigments by Oxidative Coupling of Chlorogenic Acid with Amino Acids and Proteins: Toward Natural Product-Based Green Food Coloring. Journal of Agricultural and Food Chemistry, 2017, 65, 6519-6528.	2.4	17
159	The Regulatory Role of Sulfhydryl Compounds in Melanogenesis. Pigment Cell & Melanoma Research, 1988, 1, 48-53.	4.0	16
160	Oxidation of 4-, 6- and 7-hydroxyindoles.. Tetrahedron, 1989, 45, 6749-6760.	1.0	16
161	Psoralens sensitize glutathione photooxidation in vitro. Biochimica Et Biophysica Acta - General Subjects, 1989, 993, 143-147.	1.1	16
162	Specific incorporation of 2-thiouracil into biological melanins. Biochimica Et Biophysica Acta - General Subjects, 1994, 1200, 271-276.	1.1	16

#	ARTICLE	IF	CITATIONS
163	6,7-Dihydroxy-1,2,3,4-tetrahydroisoquinoline formation by iron mediated dopamine oxidation: a novel route to endogenous neurotoxins under oxidative stress conditions. <i>Tetrahedron Letters</i> , 1999, 40, 2833-2836.	0.7	16
164	A Photoresponsive Red Hair-Inspired Polydopamine-Based Copolymer for Hybrid Photocapacitive Sensors. <i>Advanced Functional Materials</i> , 2014, 24, 7161-7172.	7.8	16
165	Anti-Amyloid Aggregation Activity of Black Sesame Pigment: Toward a Novel Alzheimer's Disease Preventive Agent. <i>Molecules</i> , 2018, 23, 676.	1.7	16
166	Solid State Photochemistry of Hydroxylated Naphthalenes on Minerals: Probing Polycyclic Aromatic Hydrocarbon Transformation Pathways under Astrochemically-Relevant Conditions. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 977-1000.	1.2	16
167	Hexamethylenediamine-Mediated Polydopamine Film Deposition: Inhibition by Resorcinol as a Strategy for Mapping Quinone Targeting Mechanisms. <i>Frontiers in Chemistry</i> , 2019, 7, 407.	1.8	16
168	Synthesis of Dopamines Labelled with ¹³ C in the α - or β -Side Chain Position and Their Application to Structural Studies on Melanins by Solid-State NMR Spectroscopy. <i>Liebigs Annalen Der Chemie</i> , 1994, 1994, 563-567.	0.8	15
169	A novel hydrogen peroxide-dependent oxidation pathway of dopamine via 6-hydroxydopamine. <i>Tetrahedron</i> , 2003, 59, 2215-2221.	1.0	15
170	Reactions of d-glucose with phenolic amino acids: further insights into the competition between Maillard and Pictet-Spengler condensation pathways. <i>Carbohydrate Research</i> , 2005, 340, 2719-2727.	1.1	15
171	Biologically inspired one-pot access routes to 4-hydroxybenzothiazole amino acids, red hair-specific markers of UV susceptibility and skin cancer risk. <i>Tetrahedron Letters</i> , 2009, 50, 3095-3097.	0.7	15
172	Effects of walnut husk washing waters and their phenolic constituents on horticultural species. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3299-3306.	2.7	15
173	Tailoring melanins for bioelectronics: polycysteinyl-dopamine as an ion conducting redox-responsive polydopamine variant for pro-oxidant thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6525-6531.	2.7	15
174	Nanoscale Disassembly and Free Radical Reorganization of Polydopamine in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11942-11950.	1.2	15
175	Comparative Analysis of the Effects of Olive Oil Hydroxytyrosol and Its 5-S-Lipoil Conjugate in Protecting Human Erythrocytes from Mercury Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	15
176	Conjugation with Dihydrolipoic Acid Imparts Caffeic Acid Ester Potent Inhibitory Effect on Dopa Oxidase Activity of Human Tyrosinase. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2156.	1.8	15
177	Insights into the Light Response of <i>Skeletonema marinoi</i> : Involvement of Ovothiols. <i>Marine Drugs</i> , 2020, 18, 477.	2.2	15
178	Condensed Tannins, a Viable Solution To Meet the Need for Sustainable and Effective Multifunctionality in Food Packaging: Structure, Sources, and Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 751-758.	2.4	15
179	5,6-Dihydroxyindole Oxidation in Phosphate Buffer/Polyvinyl Alcohol: A New Model System for Studies of Visible Chromophore Development in Synthetic Eumelanin Polymers. <i>Photochemistry and Photobiology</i> , 2010, 86, 533-537.	1.3	14
180	The Chemistry of Tyrosol and Hydroxytyrosol. , 2010, , 1225-1232.		14

#	ARTICLE	IF	CITATIONS
181	Red-Hair-Inspired Chromogenic System Based on a Proton-Switched Dehydrogenative Free-Radical Coupling. <i>Organic Letters</i> , 2013, 15, 4944-4947.	2.4	14
182	Synthesis and Bioactivity Profile of 5-S-Lipoylhydroxytyrosol-Based Multidense Antioxidants with a Sizeable (Poly)sulfide Chain. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1710-1717.	2.4	14
183	Protective role of benzoselenophene derivatives of resveratrol on the induced oxidative stress in intestinal myofibroblasts and osteocytes. <i>Chemico-Biological Interactions</i> , 2017, 275, 13-21.	1.7	14
184	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. <i>Angewandte Chemie</i> , 2020, 132, 11292-11301.	1.6	14
185	Role of Sulphur and Heavier Chalcogens on the Antioxidant Power and Bioactivity of Natural Phenolic Compounds. <i>Biomolecules</i> , 2022, 12, 90.	1.8	14
186	Biphenyltetrools and Dibenzofuranones from Oxidative Coupling of Resorcinols with 4-Alkylpyrocatechols: New Clues to the Mechanism of Insect Cuticle Sclerotization. <i>Helvetica Chimica Acta</i> , 1991, 74, 1205-1212.	1.0	13
187	Nitration versus Nitrosation Chemistry of Menthofuran: Remarkable Fragmentation and Dimerization Pathways and Expedient Entry into Dehydromenthofuro lactone. <i>Journal of Organic Chemistry</i> , 2007, 72, 10123-10129.	1.7	13
188	Replacing Nitrogen by Sulfur: From Structurally Disordered Eumelanins to Regioregular Thiomelanin Polymers. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2169.	1.8	13
189	Tetrahydrobiisoquinoline Derivatives by Reaction of Dopamine with Glyoxal: A Novel Potential Degenerative Pathway of Catecholamines under Oxidative Stress Conditions. <i>Chemical Research in Toxicology</i> , 2004, 17, 1190-1198.	1.7	12
190	The fundamental building blocks of red human hair pheomelanin are isoquinoline-containing dimers. <i>Pigment Cell and Melanoma Research</i> , 2012, 25, 110-112.	1.5	12
191	Unimolecular Variant of the Fluorescence Turn-On Oxidative Coupling of Catecholamines with Resorcinols. <i>ACS Omega</i> , 2019, 4, 1541-1548.	1.6	12
192	A Clean and Tunable Mussel-Inspired Coating Technology by Enzymatic Deposition of Pseudo-Polydopamine (P-PDA) Thin Films from Tyramine. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4873.	1.8	12
193	Hydrolyzable vs. Condensed Wood Tannins for Bio-based Antioxidant Coatings: Superior Properties of Quebracho Tannins. <i>Antioxidants</i> , 2020, 9, 804.	2.2	12
194	Reaction of malondialdehyde with amine neurotransmitters. Formation and oxidation chemistry of fluorescent 1,4-dihydropyridine adducts. <i>Tetrahedron</i> , 1995, 51, 9501-9508.	1.0	11
195	Ni ²⁺ enhances Fe ²⁺ /peroxide-induced oxidation of arachidonic acid and formation of genotoxic 4-hydroxynonenal: a possible contributory mechanism in nickel toxicity and allergenicity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1621, 9-16.	1.1	11
196	New insight into the oxidative chemistry of noradrenaline: competitive o-quinone cyclisation and chain fission routes leading to an unusual 4-bis-(1H-5,6-dihydroxyindol-2-yl)methyl]-1,2-dihydroxybenzene derivative. <i>Tetrahedron</i> , 2005, 61, 4075-4080.	1.0	11
197	The catecholic antioxidant piceatannol is an effective nitrosation inhibitor via an unusual double bond nitration. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2238-2242.	1.0	11
198	Eumelanin-Based Organic Bioelectronics: Myth or Reality?. <i>MRS Advances</i> , 2016, 1, 3801-3810.	0.5	11

#	ARTICLE	IF	CITATIONS
199	Light-independent pro-inflammatory and pro-oxidant effects of purified human hair melanins on keratinocyte cell cultures. <i>Experimental Dermatology</i> , 2017, 26, 592-594.	1.4	11
200	The Analgesic Acetaminophen and the Antipsychotic Clozapine Can Each Redox-Cycle with Melanin. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2766-2777.	1.7	11
201	Disentangling the Puzzling Regiochemistry of Thiol Addition to <i>o</i> -Quinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 4580-4589.	1.7	11
202	Oxidation chemistry of 5,6-dihydroxy-2-methylindole. <i>Tetrahedron</i> , 1993, 49, 9143-9150.	1.0	10
203	The first expedient entry to the human melanogen 2-S-cysteinyldopa exploiting the anomalous regioselectivity of 3,4-dihydroxycinnamic acid-thiol conjugation. <i>Tetrahedron Letters</i> , 2007, 48, 7650-7652.	0.7	10
204	Time-resolved EPR observation of synthetic eumelanin-superoxide radical pairs. <i>Chemical Communications</i> , 2009, , 4977.	2.2	10
205	Pheomelanin-related benzothiazole isomers in the urine of patients with diffuse melanosis of melanoma. <i>Clinica Chimica Acta</i> , 2010, 411, 1195-1203.	0.5	10
206	The $^{2,2\text{-}t\text{-}Bi(2\text{-}H\text{-}1,4\text{-}benzothiazine)}$ Structural Motif of Red Hair Pigments Revisited: Photochromism and Acidochromism in a Unique Four-State System. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5136-5140.	1.2	10
207	Powering tyrosol antioxidant capacity and osteogenic activity by biocatalytic polymerization. <i>RSC Advances</i> , 2016, 6, 2993-3002.	1.7	10
208	Acid Treatment Enhances the Antioxidant Activity of Enzymatically Synthesized Phenolic Polymers. <i>Polymers</i> , 2020, 12, 2544.	2.0	10
209	Gelatin-Based Hydrogels for the Controlled Release of 5,6-Dihydroxyindole-2-Carboxylic Acid, a Melanin-Related Metabolite with Potent Antioxidant Activity. <i>Antioxidants</i> , 2020, 9, 245.	2.2	10
210	Nature-Inspired Functional Chromophores from Biomimetic <i>o</i> -Quinone Chemistry. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2982-2989.	1.2	10
211	Oxidative chemistry of 2-nitro and 4-nitroestradiol: Dichotomous behavior of radical intermediates and novel potential routes for oxyfunctionalization and B-ring fission of steroidal scaffolds. <i>Steroids</i> , 2005, 70, 543-550.	0.8	9
212	Practical one-pot conversion of 17 β -estradiol to 10 β -hydroxy- (p-quinol) and 10 β -chloro-17 β -hydroxyestra-1,4-dien-3-one. <i>Steroids</i> , 2006, 71, 670-673.	0.8	9
213	Biomimetic nitration of the linoleic acid metabolite 13-hydroxyoctadecadienoic acid: isolation and spectral characterization of novel chain-rearranged epoxy nitro derivatives. <i>Chemistry and Physics of Lipids</i> , 2008, 151, 51-61.	1.5	9
214	Reaction of dihydrolipoic acid with juglone and related naphthoquinones: unmasking of a spirocyclic 1,3-dithiane intermediate en route to naphtho[1,4]dithiepinines. <i>Tetrahedron</i> , 2010, 66, 3912-3916.	1.0	9
215	A new cyanine from oxidative coupling of chlorogenic acid with tryptophan: Assessment of the potential as red dye for food coloring. <i>Food Chemistry</i> , 2021, 348, 129152.	4.2	9
216	A tunable deep eutectic solvent-based processing for valorization of chestnut wood fiber as a source of ellagic acid and lignin. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107773.	3.3	9

#	ARTICLE	IF	CITATIONS
217	A reinvestigation of the reactions between 5,6-dihydroxyindoles and quinones. <i>Tetrahedron</i> , 1987, 43, 2749-2754.	1.0	8
218	Photodynamic degradation of vitamin E induced by psoralens. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1992, 1116, 291-296.	1.1	8
219	Free Radical Oxidation of (E)-Retinoic Acid by the Fenton Reagent: A Competing Epoxidation and Oxidative Breakdown Pathways and Novel Products of 5,6-Epoxyretinoic Acid Transformation. <i>Chemical Research in Toxicology</i> , 2004, 17, 1716-1724.	1.7	8
220	Melanosis of the Urinary Bladder in a Cow. <i>Veterinary Pathology</i> , 2008, 45, 46-50.	0.8	8
221	Epilutein for Early-Stage Age-Related Macular Degeneration: A Randomized and Prospective Study. <i>Ophthalmic Research</i> , 2017, 58, 231-241.	1.0	8
222	2-S-Lipoylcaffeic Acid, a Natural Product-Based Entry to Tyrosinase Inhibition via Catechol Manipulation. <i>Biomimetics</i> , 2017, 2, 15.	1.5	8
223	Pectin-Based Formulations for Controlled Release of an Ellagic Acid Salt with High Solubility Profile in Physiological Media. <i>Molecules</i> , 2021, 26, 433.	1.7	8
224	2-Aryl-1,3-thiazolidines as masked sulfhydryl agents for inhibition of melanogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991, 1073, 416-422.	1.1	7
225	The first characterisation of a transient 5,6-indolequinone. <i>Tetrahedron Letters</i> , 1996, 37, 4241-4242.	0.7	7
226	Nitrite-Mediated decarboxylative conjugation of caffeic acid with glutathione under mildly acidic conditions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3547-3550.	1.0	7
227	Nitrite-Induced Nitration Pathways of Retinoic Acid, 5,6-Epoxyretinoic Acid, and Their Esters under Mildly Acidic Conditions: A Toward a Reappraisal of Retinoids as Scavengers of Reactive Nitrogen Species. <i>Chemical Research in Toxicology</i> , 2003, 16, 502-511.	1.7	7
228	Free radical oxidation of 15-(S)-hydroxyeicosatetraenoic acid with the Fenton reagent: characterization of an epoxy-alcohol and cytotoxic 4-hydroxy-2E-nonenal from the heptatrienyl radical pathway. <i>Chemistry and Physics of Lipids</i> , 2006, 142, 14-22.	1.5	7
229	Increased cysteinyl-dopa plasma levels hint to melanocyte as stress sensor in psoriasis. <i>Experimental Dermatology</i> , 2011, 20, 288-290.	1.4	7
230	Kaxiras's Porphyrin: DFT Modeling of Redox-Tuned Optical and Electronic Properties in a Theoretically Designed Catechol-Based Bioinspired Platform. <i>Biomimetics</i> , 2017, 2, 21.	1.5	7
231	Free radical oxidation of coriolic acid (13-(S)-hydroxy-9Z,11E-octadecadienoic Acid). <i>Chemistry and Physics of Lipids</i> , 2005, 134, 161-171.	1.5	6
232	Trichocyanines: a Red-Hair-Inspired Modular Platform for Dye-Based One-Time-Pad Molecular Cryptography. <i>ChemistryOpen</i> , 2015, 4, 370-377.	0.9	6
233	Bioinspired Heterocyclic Partnership in a Cyanine-Type Acidichromic Chromophore. <i>Molecules</i> , 2020, 25, 3817.	1.7	6
234	Selective incorporation of the prototype melanoma seeker thiourea into nascent melanin: a chemical insight. <i>Melanoma Research</i> , 1997, 7, 478-485.	0.6	5

#	ARTICLE	IF	CITATIONS
235	Melanin pigmentation control by 1,3-thiazolidines: does NO scavenging play a critical role?. <i>Experimental Dermatology</i> , 2016, 25, 596-597.	1.4	5
236	Proton-Sensitive Free-Radical Dimer Evolution Is a Critical Control Point for the Synthesis of $\text{P}^{2,2}$ -Bibenzothiazines. <i>Journal of Organic Chemistry</i> , 2020, 85, 11440-11448.	1.7	5
237	Identification of black sturgeon caviar pigment as eumelanin. <i>Food Chemistry</i> , 2022, 373, 131474.	4.2	5
238	Skin Pigmentation: Is the Control of Melanogenesis a Target within Reach?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4040.	1.8	4
239	Sulfated Oligomers of Tyrosol: Toward a New Class of Bioinspired Nonsaccharidic Anticoagulants. <i>Biomacromolecules</i> , 2021, 22, 399-409.	2.6	4
240	Structural Analysis of Synthetic Melanins from 5,6-Dihydroxyindole by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. , 1996, 10, 468.		4
241	New directions in Parkinson's research and treatment. <i>Expert Opinion on Therapeutic Patents</i> , 1998, 8, 1251-1268.	2.4	3
242	Time-resolved EPR investigation of oxygen and temperature effects on synthetic eumelanin. <i>Spectroscopy</i> , 2010, 24, 289-295.	0.8	3
243	Reaction-Based, Fluorescent Film Deposition from Dopamine and a Diamine-Tethered, Bis-Resorcinol Coupler. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4532.	1.8	3
244	A Reassessment of the Structure of 5,6-Dihydroxyindole-2-carboxylic Acid Melanins by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. , 1996, 10, 204.		3
245	A cyanine-type homolog of the red hair bibenzothiazine chromophore combining reversible proton-sensing with a hydrophobic-to-hydrophilic switching response. <i>Dyes and Pigments</i> , 2022, 197, 109872.	2.0	3
246	Non-covalent small molecule partnership for redox-active films: Beyond polydopamine technology. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 400-410.	5.0	3
247	Long-Lasting Pigmentation More than Its Intensity Is a Reliable Indicator of Skin Sun Resistance. <i>Dermatology</i> , 2007, 215, 173-179.	0.9	2
248	The Chemistry of Coffee Furans and Hydroxycinnamates under Simulated Gastric Conditions. , 2015, , 877-886.		1
249	An Expedient One-Pot Entry Catecholestrogens and Other Catechol Compounds via IBX-Mediated Phenolic Oxygenation.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
250	Preparation and Oxidation Chemistry of the Catechol Estrogens: Relevance to Estrogen-Related Carcinogenesis and Potential for Drug Design. <i>Current Bioactive Compounds</i> , 2006, 2, 445.	0.2	0
251	Atropodiastereoselectivity in solid state BINOL synthesis: Leads from the estradiol platform. <i>Steroids</i> , 2012, 77, 630-634.	0.8	0
252	Olive Oil Mill Wastewater for Remediation of Slag Contaminated Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 724-729.	1.3	0

#	ARTICLE	IF	CITATIONS
253	Powering the Activity of Natural Phenol Compounds by Bioinspired Chemical Manipulation. ACS Symposium Series, 2018, , 407-426.	0.5	0
254	Regulatory Mechanisms in Melanin Pigmentation: A Biomimetic Approach. Topics in Molecular Organization and Engineering, 1991, , 55-72.	0.1	0
255	Pyrroles and Their Benzo Derivatives: Applications. , 2020, , .		0