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List of Publications by Year
in descending order

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255	11,901	31976	38395
papers	citations	53 h-index	95 g-index

268	268	268	10444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical and Structural Diversity in Eumelanins: Unexplored Bioâ€Optoelectronic Materials. Angewandte Chemie - International Edition, 2009, 48, 3914-3921.	13.8	517
2	Polydopamine and Eumelanin: From Structureâ€“Property Relationships to a Unified Tailoring Strategy. Accounts of Chemical Research, 2014, 47, 3541-3550.	15.6	514
3	Buildingâ€Block Diversity in Polydopamine Underpins a Multifunctional Eumelaninâ€Type Platform Tunable Through a Quinone Control Point. Advanced Functional Materials, 2013, 23, 1331-1340.	14.9	482
4	Advanced oxidation of the pharmaceutical drug diclofenac with UV/H2O2 and ozone. Water Research, 2004, 38, 414-422.	11.3	382
5	Melanins and melanogenesis: methods, standards, protocols. Pigment Cell and Melanoma Research, 2013, 26, 616-633.	3.3	365
6	Melanins and melanogenesis: from pigment cells toÂhuman health and technological applications. Pigment Cell and Melanoma Research, 2015, 28, 520-544.	3.3	347
7	Kinetic and chemical assessment of the UV/H2O2 treatment of antiepileptic drug carbamazepine. Chemosphere, 2004, 54, 497-505.	8.2	306
8	Atypical Structural and Ï€â€Electron Features of a Melanin Polymer That Lead to Superior Freeâ€Radicalâ€Scavenging Properties. Angewandte Chemie - International Edition, 2013, 52, 12684-12687.	13.8	284
9	Nitro-fatty Acid Formation and Signaling. Journal of Biological Chemistry, 2008, 283, 15515-15519.	3.4	239
10	Tris Buffer Modulates Polydopamine Growth, Aggregation, and Paramagnetic Properties. Langmuir, 2014, 30, 9811-9818.	3.5	218
11	Bioactive Phenolic Compounds From Agri-Food Wastes: An Update on Green and Sustainable Extraction Methodologies. Frontiers in Nutrition, 2020, 7, 60.	3.7	208
12	Disentangling Eumelanin â€œBlack Chromophoreâ€: Visible Absorption Changes As Signatures of Oxidation State- and Aggregation-Dependent Dynamic Interactions in a Model Water-Soluble 5,6-Dihydroxyindole Polymer. Journal of the American Chemical Society, 2009, 131, 15270-15275.	13.7	129
13	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. Angewandte Chemie - International Edition, 2020, 59, 11196-11205.	13.8	121
14	Advanced Oxidation Chemistry of Paracetamol. UV/H2O2-Induced Hydroxylation/Degradation Pathways and15N-Aided Inventory of Nitrogenous Breakdown Products.. Journal of Organic Chemistry, 2002, 67, 6143-6151.	3.2	119
15	Iron-Mediated Generation of the Neurotoxin 6-Hydroxydopamine Quinone by Reaction of Fatty Acid Hydroperoxides with Dopamine:Â A Possible Contributory Mechanism for Neuronal Degeneration in Parkinson's Disease. Journal of Medicinal Chemistry, 1997, 40, 2211-2216.	6.4	118
16	Oxidation Chemistry of Catecholamines and Neuronal Degeneration: An Update. Current Medicinal Chemistry, 2011, 18, 1832-1845.	2.4	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. Tetrahedron, 1997, 53, 8281-8286.	1.9	117
18	Pheomelaninâ€induced oxidative stress: bright and dark chemistry bridging red hair phenotype and melanoma. Pigment Cell and Melanoma Research, 2014, 27, 721-733.	3.3	116

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19	Characterization of Melanins in Human Irides and Cultured Uveal Melanocytes From Eyes of Different Colors. Experimental Eye Research, 1998, 67, 293-299.	2.6	107
20	Natural and Bioinspired Phenolic Compounds as Tyrosinase Inhibitors for the Treatment of Skin Hyperpigmentation: Recent Advances. Cosmetics, 2019, 6, 57.	3.3	107
21	Peroxidase as an alternative to tyrosinase in the oxidative polymerization of 5,6-dihydroxyindoles to melanin(s). Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 423-430.	2.4	106
22	Phaeomelanin versus eumelanin as a chemical indicator of ultraviolet sensitivity in fair-skinned subjects at high risk for melanoma: a pilot study. Melanoma Research, 1998, 8, 53-58.	1.2	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. Journal of the American Chemical Society, 2006, 128, 15490-15498.	13.7	104
24	â€œFifty Shadesâ€•of Black and Red or How Carboxyl Groups Fine Tune Eumelanin and Pheomelanin Properties. International Journal of Molecular Sciences, 2016, 17, 746.	4.1	99
25	Red human hair pheomelanin is a potent proâ€oxidant mediating <scp>UV</scp>â€independent contributory mechanisms of melanomagenesis. Pigment Cell and Melanoma Research, 2014, 27, 244-252.	3.3	97
26	Structural Basis of Polydopamine Film Formation: Probing 5,6-Dihydroxyindole-Based Eumelanin Type Units and the Porphyrin Issue. ACS Applied Materials & Interfaces, 2018, 10, 7670-7680.	8.0	96
27	5,6-Dihydroxyindoles and Indole-5,6-diones. Advances in Heterocyclic Chemistry, 2005, 89, 1-63.	1.7	95
28	The Chemistry of Polydopamine Film Formation: The Amine-Quinone Interplay. Biomimetics, 2018, 3, 26.	3.3	94
29	Generation of the Neurotoxin 6-Hydroxydopamine by Peroxidase/H2O2 Oxidation of Dopamine. Journal of Medicinal Chemistry, 1995, 38, 917-922.	6.4	92
30	5,6-Dihydroxyindole Tetramers with â€œAnomalousâ€•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 Eumelanin Buildup. Journal of Organic Chemistry, 2007, 72, 9225-9230.	3.2	89
31	Dopaquinone redox exchange with dihydroxyindole and dihydroxyindole carboxylic acid. Pigment Cell & Melanoma Research, 2006, 19, 443-450.	3.6	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. Organic Letters, 2007, 9, 1411-1414.	4.6	80
33	Secondary Targets of Nitrite-Derived Reactive Nitrogen Species: Nitrosation/Nitration Pathways, Antioxidant Defense Mechanisms and Toxicological Implications. Chemical Research in Toxicology, 2011, 24, 2071-2092.	3.3	80
34	Natural Phenol Polymers: Recent Advances in Food and Health Applications. Antioxidants, 2017, 6, 30.	5.1	75
35	Role of Solvent, pH, and Molecular Size in Excited-State Deactivation of Key Eumelanin Building Blocks: Implications for Melanin Pigment Photostability. Journal of the American Chemical Society, 2008, 130, 17038-17043.	13.7	74
36	Red Hair Benzothiazines and Benzothiazoles: Mutation-Inspired Chemistry in the Quest for Functionality. Accounts of Chemical Research, 2013, 46, 519-528.	15.6	74

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37	Oxidative degradation of melanins to pyrrole acids: A model study. Tetrahedron, 1995, 51, 5913-5920.	1.9	73
38	Nitrite- and Peroxide-Dependent Oxidation Pathways of Dopamine:â€‰ 6-Nitrodopamine and 6-Hydroxydopamine Formation as Potential Contributory Mechanisms of Oxidative Stress- and Nitric Oxide-Induced Neurotoxicity in Neuronal Degeneration. Chemical Research in Toxicology, 1999, 12, 1213-1222.	3.3	71
39	Reverse Engineering Applied to Red Human Hair Pheomelanin Reveals Redox-Buffering as a Pro-Oxidant Mechanism. Scientific Reports, 2015, 5, 18447.	3.3	67
40	Comparative Analysis of Melanins and Melanosomes Produced by Various Coat Color Mutants. Pigment Cell & Melanoma Research, 1995, 8, 153-163.	3.6	65
41	A reappraisal of traditional apple cultivars from Southern Italy as a rich source of phenols with superior antioxidant activity. Food Chemistry, 2013, 140, 672-679.	8.2	64
42	Ovothiol Isolated from Sea Urchin Oocytes Induces Autophagy in the Hep-G2 Cell Line. Marine Drugs, 2014, 12, 4069-4085.	4.6	63
43	Eumelanin broadband absorption develops from aggregation-modulated chromophore interactions under structural and redox control. Scientific Reports, 2017, 7, 41532.	3.3	63
44	New intermediates in the oxidative polymerisation of 5,6-dihydroxyindole to melanin promoted by the peroxidase/H2O2 system. Tetrahedron, 1990, 46, 5789-5796.	1.9	61
45	Identification of Partially Degraded Oligomers of 5,6-Dihydroxyindole-2-carboxylic Acid inSepia Melanin by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1997, 11, 368-372.	1.5	61
46	Isolation and characterization of mammalian eumelanins from hair and irides. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 295-306.	2.4	61
47	New Reaction Pathways of Dopamine under Oxidative Stress Conditions:Â Nonenzymatic Iron-Assisted Conversion to Norepinephrine and the Neurotoxins 6-Hydroxydopamine and 6,7-Dihydroxytetrahydroisoquinoline. Chemical Research in Toxicology, 1999, 12, 1090-1097.	3.3	60
48	Structural Analysis of Synthetic Melanins from 5,6-Dihydroxyindole by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 468-472.	1.5	59
49	Diffusible melanin-related metabolites are potent inhibitors of lipid peroxidation. Lipids and Lipid Metabolism, 1997, 1346, 61-68.	2.6	59
50	A reinvestigation of the structure of melanochrome. Tetrahedron Letters, 1985, 26, 2805-2808.	1.4	58
51	Oxidative polymerisation of 5,6-dihydroxyindole-2-carboxylic acid to melanin: A new insight. Tetrahedron, 1996, 52, 7913-7920.	1.9	58
52	Fermented pomegranate wastes as sustainable source of ellagic acid: Antioxidant properties, anti-inflammatory action, and controlled release under simulated digestion conditions. Food Chemistry, 2018, 246, 129-136.	8.2	58
53	5,6â€Dihydroxyindole Chemistry: Unexplored Opportunities Beyond Eumelanin. European Journal of Organic Chemistry, 2011, 2011, 5501-5516.	2.4	56
54	Acid-Promoted Reactions of Ethyl Linoleate with Nitrite Ions:Â Formation and Structural Characterization of Isomeric Nitroalkene, Nitrohydroxy, and Novel 3-Nitro-1,5-hexadiene and 1,5-Dinitro-1,3-pentadiene Products. Journal of Organic Chemistry, 2000, 65, 4853-4860.	3.2	55

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55	Mechanism of Selective Incorporation of the Melanoma Seeker 2-Thiouracil into Growing Melanin. Journal of Medicinal Chemistry, 1996, 39, 5192-5201.	6.4	52
56	5,6-Dihydroxyindoles in the Fenton Reaction:â€‰ A Model Study of the Role of Melanin Precursors in Oxidative Stress and Hyperpigmentary Processes. Chemical Research in Toxicology, 1999, 12, 985-992.	3.3	52
57	Microanalysis of Melanins in Mammalian Hair by Alkaline Hydrogen Peroxide Degradation: Identification of a New Structural Marker of Pheomelanins. Journal of Investigative Dermatology, 2000, 114, 1141-1147.	0.7	52
58	The Late Stages of Melanogenesis: Exploring the Chemical Facets and the Application Opportunities. International Journal of Molecular Sciences, 2018, 19, 1753.	4.1	52
59	Zinc-Catalyzed Oxidation of 5-S-Cysteinyldopa to 2,2â€˜-Bi(2H-1,4-benzothiazine):Â Tracking the Biosynthetic Pathway of Trichochromes, the Characteristic Pigments of Red Hair. Journal of Organic Chemistry, 2001, 66, 6958-6966.	3.2	51
60	An expedient one-pot entry to catecholestrogens and other catechol compounds via IBX-mediated phenolic oxygenation. Tetrahedron Letters, 2005, 46, 3541-3544.	1.4	51
61	Uncovering the Structure of Human Red Hair Pheomelanin: Benzothiazolylthiazinodihydroisoquinolines As Key Building Blocks. Journal of Natural Products, 2011, 74, 675-682.	3.0	51
62	Engineering polydopamine films with tailored behaviour for next-generation eumelanin-related hybrid devices. Journal of Materials Chemistry C, 2013, 1, 1018-1028.	5.5	50
63	A Superior All-Natural Antioxidant Biomaterial from Spent Coffee Grounds for Polymer Stabilization, Cell Protection, and Food Lipid Preservation. ACS Sustainable Chemistry and Engineering, 2016, 4, 1169-1179.	6.7	50
64	Oxidative Polymerization of the Pheomelanin Precursor 5-Hydroxy-1,4-benzothiazinylalanine:Â A New Hint to the Pigment Structure. Journal of Organic Chemistry, 1996, 61, 598-604.	3.2	49
65	The "Benzothiazine" Chromophore of Pheomelanins: A Reassessment. Photochemistry and Photobiology, 2008, 84, 593-599.	2.5	49
66	A biosynthetic approach to the structure of eumelanins. The isolation of oligomers from 5,6-dihydroxy-1-methylindole.. Tetrahedron, 1986, 42, 2083-2088.	1.9	48
67	New pyrrole acids by oxidative degradation of eumelanins with hydrogen peroxide. Further hints to the mechanism of pigment breakdown. Tetrahedron, 1996, 52, 8775-8780.	1.9	48
68	An Antioxidant Bioinspired Phenolic Polymer for Efficient Stabilization of Polyethylene. Biomacromolecules, 2014, 15, 302-310.	5.4	48
69	Recent Advances in Research on Polyphenols: Effects on Microbiota, Metabolism, and Health. Molecular Nutrition and Food Research, 2022, 66, e2100670.	3.3	48
70	The Eumelanin Intermediate 5,6-Dihydroxyindole-2-Carboxylic Acid Is a Messenger in the Cross-Talk among Epidermal Cells. Journal of Investigative Dermatology, 2012, 132, 1196-1205.	0.7	47
71	Resveratrol-based benzoselenophenes with an enhanced antioxidant and chain breaking capacity. Organic and Biomolecular Chemistry, 2015, 13, 5757-5764.	2.8	46
72	Oxidative conjugation of chlorogenic acid with glutathione. Bioorganic and Medicinal Chemistry, 2003, 11, 4797-4805.	3.0	45

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73	Ultrafast Excited State Dynamics of 5,6-Dihydroxyindole, A Key Eumelanin Building Block: Nonradiative Decay Mechanism. Journal of Physical Chemistry B, 2009, 113, 12575-12580.	2.6	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. Journal of Organic Chemistry, 2009, 74, 3727-3734.	3.2	44
75	Shedding light on ovothiol biosynthesis in marine metazoans. Scientific Reports, 2016, 6, 21506.	3.3	44
76	Latanoprost Stimulates Eumelanogenesis in Iridial Melanocytes of Cynomolgus Monkeys. Pigment Cell & Melanoma Research, 2000, 13, 147-150.	3.6	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-cysteinyldopa. Biochimica Et Biophysica Acta - General Subjects, 2002, 1571, 157-166.	2.4	42
78	Acid-Induced Structural Modifications of Unsaturated Fatty Acids and Phenolic Olive Oil Constituents by Nitrite Ions:Â A Chemical Assessment. Chemical Research in Toxicology, 2004, 17, 1329-1337.	3.3	42
79	A Reactiveortho-Quinone Generated by Tyrosinase-Catalyzed Oxidation of the Skin Depigmenting Agent Monobenzone: Self-Coupling and Thiol-Conjugation Reactions and Possible Implications for Melanocyte Toxicity. Chemical Research in Toxicology, 2009, 22, 1398-1405.	3.3	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.. Tetrahedron, 1992, 48, 8515-8522.	1.9	41
81	Oxidative chemistry of the natural antioxidant hydroxytyrosol: hydrogen peroxide-dependent hydroxylation and hydroxyquinone/o-quinone coupling pathways. Tetrahedron, 2006, 62, 1273-1278.	1.9	41
82	Mild and efficient iodination of aromatic and heterocyclic compounds with the NaClO2/NaI/HCl system. Tetrahedron, 2008, 64, 234-239.	1.9	41
83	Zincâ€induced Structural Effects Enhance Oxygen Consumption and Superoxide Generation in Synthetic Pheomelanins on UVA/Visible Light Irradiation^{â€}. Photochemistry and Photobiology, 2010, 86, 757-764.	2.5	41
84	Multifunctional Thin Films and Coatings from Caffeic Acid and a Cross-Linking Diamine. Langmuir, 2017, 33, 2096-2102.	3.5	41
85	An easy-to-run method for routine analysis of eumelanin and pheomelanin in pigmented tissues. Pigment Cell & Melanoma Research, 2007, 20, 128-133.	3.6	40
86	The haptenation theory of vitiligo and melanoma rejection: a closeâ€up. Experimental Dermatology, 2011, 20, 92-96.	2.9	40
87	Glyoxal formation by Fenton-induced degradation of carbohydrates and related compounds. Carbohydrate Research, 2006, 341, 1828-1833.	2.3	39
88	Structural Effects on the Electronic Absorption Properties of 5,6â€Dihydroxyindole Oligomers: The Potential of an Integrated Experimental and DFT Approach to Model Eumelanin Optical Properties^{â€}. Photochemistry and Photobiology, 2008, 84, 600-607.	2.5	39
89	Isomeric cysteinyldopas provide a (photo)degradable bulk component and a robust structural element in red human hair pheomelanin. Pigment Cell and Melanoma Research, 2009, 22, 319-327.	3.3	39
90	Redox Is a Global Biodevice Information Processing Modality. Proceedings of the IEEE, 2019, 107, 1402-1424.	21.3	37

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91	Chemical, Pulse Radiolysis and Density Functional Studies of a New, Labile 5,6-Indolequinone and Its Semiquinone. Journal of Organic Chemistry, 2007, 72, 1595-1603.	3.2	36
92	Reverse Engineering To Characterize Redox Properties: Revealing Melaninâ€™s Redox Activity through Mediated Electrochemical Probing. Chemistry of Materials, 2018, 30, 5814-5826.	6.7	36
93	A New Insight in the Biosynthesis of Pheomelanins:Â Characterization of a Labile 1,4-Benzothiazine Intermediate. Journal of Organic Chemistry, 1999, 64, 3009-3011.	3.2	35
94	Black Sesame Pigment: DPPH Assay-Guided Purification, Antioxidant/Antinitrosating Properties, and Identification of a Degradative Structural Marker. Journal of Agricultural and Food Chemistry, 2012, 60, 8895-8901.	5.2	35
95	5-S-Lipoylhydroxytyrosol, a Multidefense Antioxidant Featuring a Solvent-Tunable Peroxyl Radical-Scavenging 3-Thio-1,2-dihydroxybenzene Motif. Journal of Organic Chemistry, 2013, 78, 9857-9864.	3.2	34
96	Free Radical Coupling of o-Semiquinones Uncovered. Journal of the American Chemical Society, 2013, 135, 12142-12149.	13.7	34
97	New Insights into the Acid-Promoted Reaction of Caffeic Acid and Its Esters with Nitrite:Â Decarboxylation Drives Chain Nitrosation Pathways toward Novel Oxime Derivatives and Oxidation/Fragmentation Products Thereof. Journal of Organic Chemistry, 2002, 67, 803-810.	3.2	33
98	1,4-Benzothiazines as Key Intermediates in the Biosynthesis of Red Hair Pigment Pheomelanins. Pigment Cell & Melanoma Research, 2003, 16, 532-539.	3.6	33
99	Oxidation Chemistry of Norepinephrine: Partitioning of the O-Quinone between Competing Cyclization and Chain Breakdown Pathways and Their Roles in Melanin Formation. Chemical Research in Toxicology, 2007, 20, 1549-1555.	3.3	33
100	UVâ€Dissipation Mechanisms in the Eumelanin Building Block DHICA. ChemPhysChem, 2010, 11, 2424-2431.	2.1	33
101	High Antioxidant Action and Prebiotic Activity of Hydrolyzed Spent Coffee Grounds (HSCG) in a Simulated Digestionâ€“Fermentation Model: Toward the Development of a Novel Food Supplement. Journal of Agricultural and Food Chemistry, 2017, 65, 6452-6459.	5.2	33
102	A profile of the oxidation chemistry of 5-hydroxyindole under biomimetic conditions. Tetrahedron, 1988, 44, 7265-7270.	1.9	31
103	Characterisation of 1,4-benzothiazine intermediates in the oxidative conversion of 5-S-cysteinyldopa to pheomelanins. Tetrahedron Letters, 1994, 35, 6365-6368.	1.4	31
104	5-S-Cysteinyldopa, a diffusible product of melanocyte activity, is an efficient inhibitor of hydroxylation/oxidation reactions induced by the Fenton system. Biochimica Et Biophysica Acta - General Subjects, 1996, 1291, 75-82.	2.4	31
105	Transient quinonimines and 1,4-benzothiazines of pheomelanogenesis: new pulse radiolytic and spectrophotometric evidence. Free Radical Biology and Medicine, 1999, 27, 521-528.	2.9	31
106	Oxidative chemistry of hydroxytyrosol: isolation and characterisation of novel methanooxocinobenzodioxinone derivatives. Tetrahedron Letters, 2003, 44, 8289-8292.	1.4	31
107	Anti-Inflammatory Activity of Marine Ovothiol A in anIn VitroModel of Endothelial Dysfunction Induced by Hyperglycemia. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	31
108	A Melanin-Related Phenolic Polymer with Potent Photoprotective and Antioxidant Activities for Dermo-Cosmetic Applications. Antioxidants, 2020, 9, 270.	5.1	31

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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. Journal of Organic Chemistry, 2002, 67, 1125-1132.	3.2	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. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 13-16.	2.2	30
111	The Acid-Promoted Reaction of the Green Tea Polyphenol Epigallocatechin Gallate with Nitrite Ions. Chemical Research in Toxicology, 2005, 18, 722-729.	3.3	30
112	A melanin-inspired pro-oxidant system for dopa(mine) polymerization: mimicking the natural casing process. Chemical Communications, 2011, 47, 10308.	4.1	30
113	Artificial Biomelanin: Highly Light-Absorbing Nano-Sized Eumelanin by Biomimetic Synthesis in Chicken Egg White. Biomacromolecules, 2014, 15, 3811-3816.	5.4	30
114	Antioxidant Properties of Agri-Food Byproducts and Specific Boosting Effects of Hydrolytic Treatments. Antioxidants, 2020, 9, 438.	5.1	30
115	Ellagic Acid Recovery by Solid State Fermentation of Pomegranate Wastes by Aspergillus niger and Saccharomyces cerevisiae: A Comparison. Molecules, 2019, 24, 3689.	3.8	29
116	Sulphydryl compounds in melanogenesis. Tetrahedron, 1987, 43, 5351-5356.	1.9	28
117	Development of an integrated method of skin phenotype measurement using the melanins. Melanoma Research, 2001, 11, 551-557.	1.2	28
118	Plant Catechols and Their S-Glutathionyl Conjugates as Antinitrosating Agents: Expedient Synthesis and Remarkable Potency of 5-S-Glutathionylpiceatannol. Chemical Research in Toxicology, 2008, 21, 2407-2413.	3.3	28
119	Characterization and Fate of Hydrogen-Bonded Free-Radical Intermediates and Their Coupling Products from the Hydrogen Atom Transfer Agent 1,8-Naphthalenediol. ACS Omega, 2018, 3, 3918-3927.	3.5	28
120	Unexpected impact of esterification on the antioxidant activity and (photo)stability of a eumelanin from 5,6â€dihydroxyindoleâ€2â€carboxylic acid. Pigment Cell and Melanoma Research, 2018, 31, 475-483.	3.3	27
121	A novel fluoride-sensing scaffold by a peculiar acid-promoted trimerization of 5,6-dihydroxyindole. Tetrahedron, 2009, 65, 2032-2036.	1.9	26
122	Is DHICA the key to dopachrome tautomerase and melanocyte functions?. Pigment Cell and Melanoma Research, 2011, 24, 248-249.	3.3	26
123	A water-soluble eumelanin polymer with typical polyelectrolyte behaviour by triethyleneglycol N-functionalization. Journal of Materials Chemistry C, 2015, 3, 2810-2816.	5.5	26
124	Efficient Binding of Heavy Metals by Black Sesame Pigment: Toward Innovative Dietary Strategies To Prevent Bioaccumulation. Journal of Agricultural and Food Chemistry, 2016, 64, 890-897.	5.2	26
125	Disentangling structure-dependent antioxidant mechanisms in phenolic polymers by multiparametric EPR analysis. Chemical Communications, 2018, 54, 9426-9429.	4.1	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. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 47-54.	2.4	25

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127	The Chemical Basis of the Antinitrosating Action of Polyphenolic Cancer Chemopreventive Agents. Current Medicinal Chemistry, 2006, 13, 3133-3144.	2.4	25
128	Pecan (Carya illinoinensis (Wagenh.) K. Koch) Nut Shell as an Accessible Polyphenol Source for Active Packaging and Food Colorant Stabilization. ACS Sustainable Chemistry and Engineering, 2020, 8, 6700-6712.	6.7	25
129	Oxidative coupling of dopa with resorcinol and phloroglucinol: Isolation of adducts with an unusual tetrahydromethanobenzofuro[2,3-d]azocine skeleton. Tetrahedron, 1991, 47, 6243-6250.	1.9	24
130	Inhibitory effect of melanin precursors on arachidonic acid peroxidation. Lipids and Lipid Metabolism, 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. Tetrahedron Letters, 2007, 48, 3883-3886.	1.4	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. Journal of Organic Chemistry, 2009, 74, 7191-7194.	3.2	24
133	Cyclic Structural Motifs in 5,6-Dihydroxyindole Polymerization Uncovered: Biomimetic Modular Buildup of a Unique Five-Membered Macrocycle. Organic Letters, 2010, 12, 3250-3253.	4.6	24
134	A Robust Fungal Allomelanin Mimic: An Antioxidant and Potent Ï€â€Electron Donor with Freeâ€Radical Properties that can be Tuned by Ionic Liquids. ChemPlusChem, 2019, 84, 1331-1337.	2.8	24
135	Copolymerisation of 5,6-dihydroxyindole and 5,6-dihydroxyindole-2-carboxylic acid in melanogenesis: Isolation of a cross-coupling product. Tetrahedron Letters, 1993, 34, 885-888.	1.4	23
136	The acid-promoted reaction of ethyl linoleate with nitrite. New insights from 15N-labelling and peculiar reactivity of a model skipped diene. Tetrahedron, 2002, 58, 5061-5067.	1.9	23
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