

# Alessandra Napolitano

## List of Publications by Year in descending order

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Version: 2024-02-01

255  
papers

11,901  
citations

31976

53  
h-index

38395

95  
g-index

268  
all docs

268  
docs citations

268  
times ranked

10444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of black sturgeon caviar pigment as eumelanin. <i>Food Chemistry</i> , 2022, 373, 131474.	8.2	5
2	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.	3.7	3
3	Recent Advances in Research on Polyphenols: Effects on Microbiota, Metabolism, and Health. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100670.	3.3	48
4	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.	5.2	15
5	Role of Sulphur and Heavier Chalcogens on the Antioxidant Power and Bioactivity of Natural Phenolic Compounds. <i>Biomolecules</i> , 2022, 12, 90.	4.0	14
6	Disentangling the Puzzling Regiochemistry of Thiol Addition to <i>o</i> -Quinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 4580-4589.	3.2	11
7	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.	6.7	9
8	Non-covalent small molecule partnership for redox-active films: Beyond polydopamine technology. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 400-410.	9.4	3
9	Sulfated Oligomers of Tyrosol: Toward a New Class of Bioinspired Nonsaccharidic Anticoagulants. <i>Biomacromolecules</i> , 2021, 22, 399-409.	5.4	4
10	Pectin-Based Formulations for Controlled Release of an Ellagic Acid Salt with High Solubility Profile in Physiological Media. <i>Molecules</i> , 2021, 26, 433.	3.8	8
11	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.	8.2	9
12	Nature-Inspired Functional Chromophores from Biomimetic <i>o</i> -Quinone Chemistry. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2982-2989.	2.4	10
13	Development and characterization of antimicrobial and antioxidant whey protein-based films functionalized with Pecan ( <i>Carya illinoensis</i> ) nut shell extract. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100710.	7.5	20
14	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. <i>Angewandte Chemie</i> , 2020, 132, 11292-11301.	2.0	14
15	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11196-11205.	13.8	121
16	Redox Activities of Melanins Investigated by Electrochemical Reverse Engineering: Implications for their Roles in Oxidative Stress. <i>Journal of Investigative Dermatology</i> , 2020, 140, 537-543.	0.7	20
17	Insights into the Light Response of <i>Skeletonema marinoi</i> : Involvement of Ovothiol. <i>Marine Drugs</i> , 2020, 18, 477.	4.6	15
18	A Clean and Tunable Mussel-Inspired Coating Technology by Enzymatic Deposition of Pseudo-Polydopamine ( $\tilde{P}$ -PDA) Thin Films from Tyramine. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4873.	4.1	12

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19	Hydrolyzable vs. Condensed Wood Tannins for Bio-based Antioxidant Coatings: Superior Properties of Quebracho Tannins. <i>Antioxidants</i> , 2020, 9, 804.	5.1	12
20	Bioinspired Heterocyclic Partnership in a Cyanine-Type Acidichromic Chromophore. <i>Molecules</i> , 2020, 25, 3817.	3.8	6
21	Proton-Sensitive Free-Radical Dimer Evolution Is a Critical Control Point for the Synthesis of 2,2'-Bibenzothiazines. <i>Journal of Organic Chemistry</i> , 2020, 85, 11440-11448.	3.2	5
22	Acid Treatment Enhances the Antioxidant Activity of Enzymatically Synthesized Phenolic Polymers. <i>Polymers</i> , 2020, 12, 2544.	4.5	10
23	Bioactive Phenolic Compounds From Agri-Food Wastes: An Update on Green and Sustainable Extraction Methodologies. <i>Frontiers in Nutrition</i> , 2020, 7, 60.	3.7	208
24	Silver nanoparticles on hydrolyzed spent coffee grounds (HSCG) for green antibacterial devices. <i>Journal of Cleaner Production</i> , 2020, 268, 122352.	9.3	21
25	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.	5.1	10
26	Blackness is an index of redox complexity in melanin polymers. <i>Polymer Chemistry</i> , 2020, 11, 5005-5010.	3.9	18
27	A Melanin-Related Phenolic Polymer with Potent Photoprotective and Antioxidant Activities for Dermo-Cosmetic Applications. <i>Antioxidants</i> , 2020, 9, 270.	5.1	31
28	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.	6.7	25
29	Antioxidant Properties of Agri-Food Byproducts and Specific Boosting Effects of Hydrolytic Treatments. <i>Antioxidants</i> , 2020, 9, 438.	5.1	30
30	Pyrroles and Their Benzo Derivatives: Applications. , 2020, , .		0
31	Reaction-Based, Fluorescent Film Deposition from Dopamine and a Diamine-Tethered, Bis-Resorcinol Coupler. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4532.	4.1	3
32	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.	3.8	29
33	Natural and Bioinspired Phenolic Compounds as Tyrosinase Inhibitors for the Treatment of Skin Hyperpigmentation: Recent Advances. <i>Cosmetics</i> , 2019, 6, 57.	3.3	107
34	Hexamethylenediamine-Mediated Polydopamine Film Deposition: Inhibition by Resorcinol as a Strategy for Mapping Quinone Targeting Mechanisms. <i>Frontiers in Chemistry</i> , 2019, 7, 407.	3.6	16
35	A Robust Fungal Allomelanin Mimic: An Antioxidant and Potent Electron Donor with Free Radical Properties that can be Tuned by Ionic Liquids. <i>ChemPlusChem</i> , 2019, 84, 1331-1337.	2.8	24
36	Redox Is a Global Biodevice Information Processing Modality. <i>Proceedings of the IEEE</i> , 2019, 107, 1402-1424.	21.3	37

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37	Exhausted Woods from Tannin Extraction as an Unexplored Waste Biomass: Evaluation of the Antioxidant and Pollutant Adsorption Properties and Activating Effects of Hydrolytic Treatments. <i>Antioxidants</i> , 2019, 8, 84.	5.1	20
38	Unimolecular Variant of the Fluorescence Turn-On Oxidative Coupling of Catecholamines with Resorcinols. <i>ACS Omega</i> , 2019, 4, 1541-1548.	3.5	12
39	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.	3.5	28
40	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.	3.3	27
41	Structural Basis of Polydopamine Film Formation: Probing 5,6-Dihydroxyindole-Based Eumelanin Type Units and the Porphyrin Issue. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7670-7680.	8.0	96
42	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.	8.2	58
43	The Chemistry of Polydopamine Film Formation: The Amine-Quinone Interplay. <i>Biomimetics</i> , 2018, 3, 26.	3.3	94
44	Skin Pigmentation: Is the Control of Melanogenesis a Target within Reach?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4040.	4.1	4
45	Powering the Activity of Natural Phenol Compounds by Bioinspired Chemical Manipulation. <i>ACS Symposium Series</i> , 2018, , 407-426.	0.5	0
46	Anti-Amyloid Aggregation Activity of Black Sesame Pigment: Toward a Novel Alzheimer's Disease Preventive Agent. <i>Molecules</i> , 2018, 23, 676.	3.8	16
47	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.	4.0	31
48	Comparative Analysis of the Effects of Olive Oil Hydroxytyrosol and Its 5-S-Lipoyl Conjugate in Protecting Human Erythrocytes from Mercury Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	4.0	15
49	Disentangling structure-dependent antioxidant mechanisms in phenolic polymers by multiparametric EPR analysis. <i>Chemical Communications</i> , 2018, 54, 9426-9429.	4.1	26
50	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.	4.1	15
51	The Late Stages of Melanogenesis: Exploring the Chemical Facets and the Application Opportunities. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1753.	4.1	52
52	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.	2.7	16
53	Reverse Engineering To Characterize Redox Properties: Revealing Melanin's Redox Activity through Mediated Electrochemical Probing. <i>Chemistry of Materials</i> , 2018, 30, 5814-5826.	6.7	36
54	Eumelanin broadband absorption develops from aggregation-modulated chromophore interactions under structural and redox control. <i>Scientific Reports</i> , 2017, 7, 41532.	3.3	63

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55	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.	2.9	11
56	Multifunctional Thin Films and Coatings from Caffeic Acid and a Cross-Linking Diamine. <i>Langmuir</i> , 2017, 33, 2096-2102.	3.5	41
57	Stable Benzacridine Pigments by Oxidative Coupling of Chlorogenic Acid with Amino Acids and Proteins: Toward Natural Product-Based Green Food Coloring. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6519-6528.	5.2	17
58	The Analgesic Acetaminophen and the Antipsychotic Clozapine Can Each Redox-Cycle with Melanin. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2766-2777.	3.5	11
59	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.	4.0	14
60	Epilutein for Early-Stage Age-Related Macular Degeneration: A Randomized and Prospective Study. <i>Ophthalmic Research</i> , 2017, 58, 231-241.	1.9	8
61	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.	5.2	33
62	Natural Phenol Polymers: Recent Advances in Food and Health Applications. <i>Antioxidants</i> , 2017, 6, 30.	5.1	75
63	2-S-Lipoylcaffeic Acid, a Natural Product-Based Entry to Tyrosinase Inhibition via Catechol Manipulation. <i>Biomimetics</i> , 2017, 2, 15.	3.3	8
64	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.	3.3	7
65	Replacing Nitrogen by Sulfur: From Structurally Disordered Eumelanins to Regioregular Thiomelanin Polymers. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2169.	4.1	13
66	“Fifty Shades” of Black and Red or How Carboxyl Groups Fine Tune Eumelanin and Pheomelanin Properties. <i>International Journal of Molecular Sciences</i> , 2016, 17, 746.	4.1	99
67	Shedding light on ovoid biosynthesis in marine metazoans. <i>Scientific Reports</i> , 2016, 6, 21506.	3.3	44
68	Melanin pigmentation control by 1,3-thiazolidines: does NO scavenging play a critical role?. <i>Experimental Dermatology</i> , 2016, 25, 596-597.	2.9	5
69	Nanoscale Disassembly and Free Radical Reorganization of Polydopamine in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11942-11950.	2.6	15
70	Eumelanin-Based Organic Bioelectronics: Myth or Reality?. <i>MRS Advances</i> , 2016, 1, 3801-3810.	0.9	11
71	Paraquat-Melanin Redox-Cycling: Evidence from Electrochemical Reverse Engineering. <i>ACS Chemical Neuroscience</i> , 2016, 7, 1057-1067.	3.5	20
72	Powering tyrosol antioxidant capacity and osteogenic activity by biocatalytic polymerization. <i>RSC Advances</i> , 2016, 6, 2993-3002.	3.6	10

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73	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.	5.2	26
74	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.	6.7	50
75	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
76	Reverse Engineering Applied to Red Human Hair Pheomelanin Reveals Redox-Buffering as a Pro-Oxidant Mechanism. <i>Scientific Reports</i> , 2015, 5, 18447.	3.3	67
77	Trichocyanines: a Red-Hair-Inspired Modular Platform for Dye-Based One-Time-Pad Molecular Cryptography. <i>ChemistryOpen</i> , 2015, 4, 370-377.	1.9	6
78	The Chemistry of Coffee Furans and Hydroxycinnamates under Simulated Gastric Conditions. , 2015, , 877-886.		1
79	A water-soluble eumelanin polymer with typical polyelectrolyte behaviour by triethyleneglycol N-functionalization. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2810-2816.	5.5	26
80	Resveratrol-based benzoselenophenes with an enhanced antioxidant and chain breaking capacity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5757-5764.	2.8	46
81	Tailoring melanins for bioelectronics: polycysteinyldopamine as an ion conducting redox-responsive polydopamine variant for pro-oxidant thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6525-6531.	5.5	15
82	Ovothiol Isolated from Sea Urchin Oocytes Induces Autophagy in the Hep-G2 Cell Line. <i>Marine Drugs</i> , 2014, 12, 4069-4085.	4.6	63
83	Towards Eumelanin@Zeolite Hybrids: Pore-Size-Controlled 5,6-Dihydroxyindole Polymerization. <i>Chemistry - A European Journal</i> , 2014, 20, 1597-1601.	3.3	18
84	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.	3.3	116
85	Red human hair pheomelanin is a potent pro-oxidant mediating UV-independent contributory mechanisms of melanomagenesis. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 244-252.	3.3	97
86	Polydopamine and Eumelanin: From Structure-Property Relationships to a Unified Tailoring Strategy. <i>Accounts of Chemical Research</i> , 2014, 47, 3541-3550.	15.6	514
87	Photochemistry of Pheomelanin Building Blocks and Model Chromophores: Excited-State Intra- and Intermolecular Proton Transfer. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2094-2100.	4.6	17
88	An Antioxidant Bioinspired Phenolic Polymer for Efficient Stabilization of Polyethylene. <i>Biomacromolecules</i> , 2014, 15, 302-310.	5.4	48
89	A Photoresponsive Red-Hair-Inspired Polydopamine-Based Copolymer for Hybrid Photocapacitive Sensors. <i>Advanced Functional Materials</i> , 2014, 24, 7161-7172.	14.9	16
90	Tris Buffer Modulates Polydopamine Growth, Aggregation, and Paramagnetic Properties. <i>Langmuir</i> , 2014, 30, 9811-9818.	3.5	218

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91	Artificial Biomelanin: Highly Light-Absorbing Nano-Sized Eumelanin by Biomimetic Synthesis in Chicken Egg White. <i>Biomacromolecules</i> , 2014, 15, 3811-3816.	5.4	30
92	5- <i>S</i> -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.	3.2	34
93	Melanins and melanogenesis: methods, standards, protocols. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 616-633.	3.3	365
94	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.	13.8	284
95	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.	8.2	64
96	Red-Hair-Inspired Chromogenic System Based on a Proton-Switched Dehydrogenative Free-Radical Coupling. <i>Organic Letters</i> , 2013, 15, 4944-4947.	4.6	14
97	Red Hair Benzothiazines and Benzothiazoles: Mutation-Inspired Chemistry in the Quest for Functionality. <i>Accounts of Chemical Research</i> , 2013, 46, 519-528.	15.6	74
98	Engineering polydopamine films with tailored behaviour for next-generation eumelanin-related hybrid devices. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1018-1028.	5.5	50
99	Synthesis and Bioactivity Profile of 5- <i>S</i> -Lipoylhydroxytyrosol-Based Multidense Antioxidants with a Sizeable (Poly)sulfide Chain. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1710-1717.	5.2	14
100	Olive Oil Mill Wastewater for Remediation of Slag Contaminated Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 724-729.	2.7	0
101	Free Radical Coupling of <i>o</i> -Semiquinones Uncovered. <i>Journal of the American Chemical Society</i> , 2013, 135, 12142-12149.	13.7	34
102	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.	14.9	482
103	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.	0.7	47
104	The fundamental building blocks of red human hair pheomelanin are isoquinoline-containing dimers. <i>Pigment Cell and Melanoma Research</i> , 2012, 25, 110-112.	3.3	12
105	Effects of walnut husk washing waters and their phenolic constituents on horticultural species. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3299-3306.	5.3	15
106	Atropodiastereoselectivity in solid state BINOL synthesis: Leads from the estradiol platform. <i>Steroids</i> , 2012, 77, 630-634.	1.8	0
107	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.	5.2	35
108	The <sup>2,2</sup> Bi(2 <i>H</i> -1,4-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.	2.4	10

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109	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.	3.3	80
110	A melanin-inspired pro-oxidant system for dopa(mine) polymerization: mimicking the natural casing process. <i>Chemical Communications</i> , 2011, 47, 10308.	4.1	30
111	Uncovering the Structure of Human Red Hair Pheomelanin: Benzothiazolythiazinodihydroisoquinolines As Key Building Blocks. <i>Journal of Natural Products</i> , 2011, 74, 675-682.	3.0	51
112	Is DHICA the key to dopachrome tautomerase and melanocyte functions?. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 248-249.	3.3	26
113	The haptenation theory of vitiligo and melanoma rejection: a closeâ€œp. <i>Experimental Dermatology</i> , 2011, 20, 92-96.	2.9	40
114	Increased cysteinyl-dopa plasma levels hint to melanocyte as stress sensor in psoriasis. <i>Experimental Dermatology</i> , 2011, 20, 288-290.	2.9	7
115	5,6â€œDihydroxyindole Chemistry: Unexplored Opportunities Beyond Eumelanin. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5501-5516.	2.4	56
116	Oxidation Chemistry of Catecholamines and Neuronal Degeneration: An Update. <i>Current Medicinal Chemistry</i> , 2011, 18, 1832-1845.	2.4	118
117	Reaction of dihydrolipoic acid with juglone and related naphthoquinones: unmasking of a spirocyclic 1,3-dithiane intermediate en route to naphtho[1,4]dithiepins. <i>Tetrahedron</i> , 2010, 66, 3912-3916.	1.9	9
118	UVâ€œDissipation Mechanisms in the Eumelanin Building Block DHICA. <i>ChemPhysChem</i> , 2010, 11, 2424-2431.	2.1	33
119	Zincâ€œinduced 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.	2.5	41
120	5,6â€œDihydroxyindole 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.	2.5	14
121	Time-resolved EPR investigation of oxygen and temperature effects on synthetic eumelanin. <i>Spectroscopy</i> , 2010, 24, 289-295.	0.8	3
122	The Chemistry of Tyrosol and Hydroxytyrosol. , 2010, , 1225-1232.		14
123	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.	4.6	24
124	Pheomelanin-related benzothiazole isomers in the urine of patients with diffuse melanosis of melanoma. <i>Clinica Chimica Acta</i> , 2010, 411, 1195-1203.	1.1	10
125	Chemical and Structural Diversity in Eumelanins: Unexplored Bioâ€œOptoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3914-3921.	13.8	517
126	A novel fluoride-sensing scaffold by a peculiar acid-promoted trimerization of 5,6-dihydroxyindole. <i>Tetrahedron</i> , 2009, 65, 2032-2036.	1.9	26



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127	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.	1.4	15
128	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.	2.6	45
129	A Reactive <i>ortho</i> -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.	3.3	42
130	Differential Reactivity of Purified Bioactive Coffee Furans, Cafestol and Kahweol, with Acidic Nitrite: Product Characterization and Factors Controlling Nitrosation Versus Ring-Opening Pathways. <i>Chemical Research in Toxicology</i> , 2009, 22, 1922-1928.	3.3	17
131	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.	13.7	129
132	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.	3.2	44
133	Efficient Synthesis of 5,6-Dihydroxyindole Dimers, Key Eumelanin Building Blocks, by a Unified <i>o</i> -Ethyneylaniline-Based Strategy for the Construction of 2-Linked Biindolyl Scaffolds. <i>Journal of Organic Chemistry</i> , 2009, 74, 7191-7194.	3.2	24
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251	Sulphhydryl compounds in melanogenesis. <i>Tetrahedron</i> , 1987, 43, 5351-5356.	1.9	28
252	A reinvestigation of the reactions between 5,6-dihydroxyindoles and quinones. <i>Tetrahedron</i> , 1987, 43, 2749-2754.	1.9	8

#	ARTICLE	IF	CITATIONS
253	Sulphydryl compounds in melanogenesis. <i>Tetrahedron</i> , 1987, 43, 5357-5362.	1.9	21
254	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.	1.9	48
255	A reinvestigation of the structure of melanochrome. <i>Tetrahedron Letters</i> , 1985, 26, 2805-2808.	1.4	58